
Type:

Landscape Lighting

ARUP

Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: BK : Delta Star**Description:** Spotlight with medium flood optic (23deg)**Fixture Wattage:** 7 W**Lumen Output:** 406 lumen**Lamp CRI:** 80+**Lighting Controls:** 0-10V Dimming**Voltage:** 12 V**Fixture Finish:** Standard finish to be specified by architect**Lamp CCT:** 3000K**Assembly Code:** DS-LED-e65-MFL-A9-XXX-12-C

Fixture recessed into wooden bollard

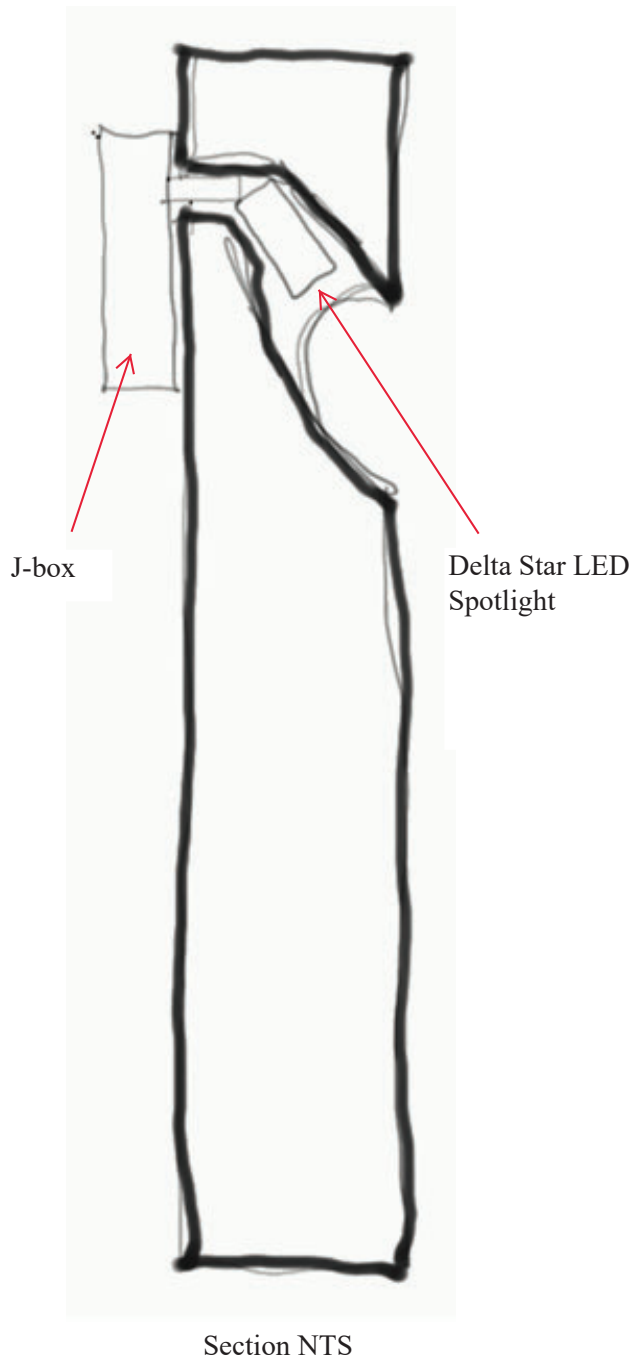
Refer to following pages for fixture and J-box specification

Type:**AB01**

Page 1 of 8

Lighting Notes:

1. Fixture incorporated into timber bollard.
2. Refer to Landscape Architect for timber bollard specification.
3. Contractor to coordinate conduit routing to driver with electrical and civil scope.
4. Add Alternate - remote driver hidden in bollard.

**ARUP**Project Number: 271565
Phone: 1 212 896 3000

DELTA STAR LED

IP66 RATED

DATE:

PROJECT:

TYPE:

CATALOG NUMBER LOGIC:



*Designed for use with LED transformer. Requires magnetic low voltage dimmer.

**Please see Adjust-e-Lume photometry to determine desired intensity.

***The 360SL cost is already included in the price of UPM, UPM dual, and Power Canopy.

CATALOG NUMBER LOGIC

Example: B - DS - LED - e64 - SP - A7 - BZP - 12 - 11 - A - 360SL

MATERIAL

(Blank) - Aluminum B - Brass S - Stainless Steel

SERIES

DS - Delta Star

SOURCE

LED - with Integral Dimming Driver (25W min. load when dimmed)*

LED TYPE

e64 - 7W LED/2700K e66 - 7W LED/4000K
e65 - 7W LED/3000K e74 - 7W LED/Amber

OPTICS

NSP - Narrow Spot (13°) MFL - Medium Flood (23°)
SP - Spot (16°) WFL - Wide Flood (31°)

ADJUST-E-LUME® OUTPUT INTENSITY**

A9 (Standard), A8, A7, A6, A5, A4, A3, A2, A1

FINISH (See page 2 for full-color swatches)

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRI, CRM, HUG, MDS, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)

Also available in RAL Finishes

Brass Finishes (MAC, POL, MIT)

Stainless Steel Finishes (MAC, POL)

LENS TYPE

12 - Soft Focus 13 - Rectilinear

SHIELDING

11 - Honeycomb Baffle

CAP STYLE

A - 45°
B - 90°
C - Flush Lens
D - 45° Less Weephole (Interior use only)
E - 90° Less Weephole (Interior use only)
F - 90° with Flush Lens

OPTIONS

360SL - Knuckle Mounting System***

Type:

AB01

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B-K LIGHTING

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01/15/2020 SKU-739
SUB000930

ARUP

Project Number: 271565

Phone: 1 212 896 3000

DELTA STAR LED

IP66 RATED

DATE:

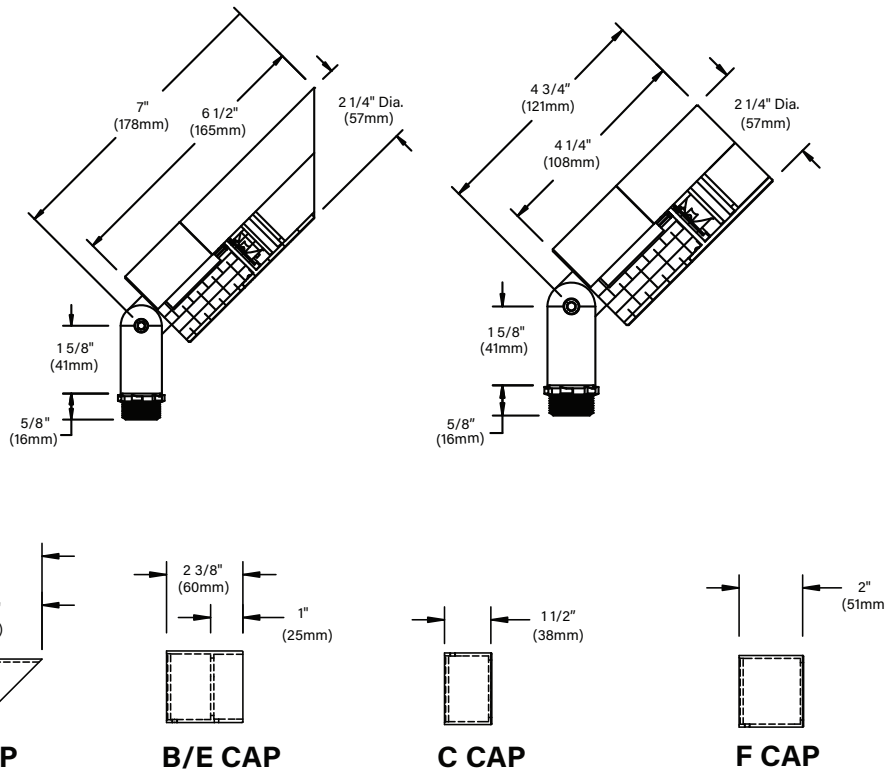
PROJECT:

TYPE:

Type:

AB01

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STANDARD FINISHES



Click Here to view larger, full-color swatches of all available finishes on our website.

PREMIUM FINISHES



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01/15/2020 SKU-739
SUB000930

ARUP

Project Number: 271565

Phone: 1 212 896 3000

DELTA STAR LED

IP66 RATED

DATE:

PROJECT:

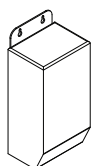
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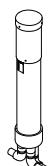
AB01

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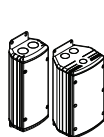
Accessories (Configure separately)



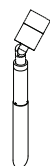
TR Series



Power Pipe



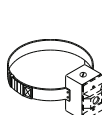
UPMRM



Power Pipe



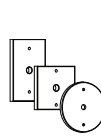
Power Canopy



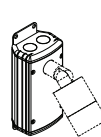
Tree Strap



Stems



Canopies



UPM

SPECIFICATIONS

| | | |
|------------|-------------------------|---|
| ELECTRICAL | WATTAGE | 7W LED |
| | WIRING | XLPE, 18GA,150C, 600V, rated and certified to UL3321. |
| | REMOTE TRANSFORMER | For use with 12VAC remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers. |
| PHYSICAL | MATERIALS | Furnished in copper-free aluminum (6061-T6), brass (360) or stainless steel (304). |
| | BODY | Unibody design with enclosed, water-proof wireway and integral heat sink is fully machined from solid billet. |
| | KNUCKLE | LOCK Knuckle is integral to the body and features an interior taper machined from solid billet and a second, reverse angle taper allowing full 180° vertical adjustment without the use of aim-limiting serrated teeth. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lbs. static load prior to movement for optical alignment with a 1/2" pipe thread for mounting. Optional 360SL provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment. |
| | CAP | Fully machined and accommodates two (2) lens or louver media. |
| | LENS | Shock-resistant, tempered glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. |
| | LED | Integrated solid state system and modular design with electrical disconnects allow for easy field upgrade and maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements and exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components. Integral, constant current driver. 12VAC/VDC input. 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current (limited to <250mA non-dimming). Output, overvoltage, open-circuit, and short circuit protected. Conforms to Safety Std. C22.2 No. 250.13-12. |
| | DIMMING | Line voltage dimmable via magnetic low voltage dimmer with dedicated neutral conductor. Remote magnetic transformer with LED loads should be loaded to 25% of the transformer VA (watts) rated value. |
| | ADJUST-E-LUME | Integral electronics allow for dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed. Specify factory preset output intensity. |
| | OPTICS | Interchangeable OPTIKIT modules permit optical field changes. Color-code: Narrow Spot (NSP) = red; Spot (SP) = green; Medium Flood (MFL) = yellow; Wide Flood (WFL) = blue. |
| | HARDWARE | Tamper-resistant, stainless steel hardware. LOCK aiming screw is black oxide treated for additional corrosion resistance. |
| | FINISH | StarGuard, our 15-stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. Powder coat or metal finish options available for brass material and metal finish option only for stainless steel material. |
| | WARRANTY | 5-year limited warranty. |
| | CERTIFICATION & LISTING | ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. RoHS compliant. Suitable for indoor or outdoor use, in wet locations, and for installation within 4' of the ground. IP66 Rated. Made in the USA with sustainable processes. |



RoHS



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01/15/2020 SKU-739
SUB000930

ARUP

Project Number: 271565

Phone: 1 212 896 3000

LAMP & DRIVER DATA (e64, e65, e66, e74)

DATE:

PROJECT:

TYPE:

| DRIVER DATA | Input Volts | InRush Current | Operating | Dimmable | Operation Ambient Temperature |
|-------------|------------------|---------------------|-----------|-----------------------------|-------------------------------|
| | 12VAC/DC 50/60Hz | <250mA (non-dimmed) | 700mA | Magnetic Low Voltage Dimmer | -22°F-194°F (-30°C - 90°C) |

| LM79 DATA | | | | L70 DATA | OPTICAL DATA | | |
|-----------|---------------|------------|--------------------|---|--------------|------|------------------|
| BK No. | CCT (Typ.) | CRI (Typ.) | Input Watts (Typ.) | Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀) | Angle | CBCP | Delivered Lumens |
| e64 | 2700K | 80 | 7 | 50,000 | 13° | 5993 | 456 |
| | 2700K | 80 | 7 | 50,000 | 16° | 4546 | 445 |
| | 2700K | 80 | 7 | 50,000 | 23° | 1726 | 397 |
| | 2700K | 80 | 7 | 50,000 | 31° | 1131 | 399 |
| e65 | 3000K | 80 | 7 | 50,000 | 13° | 6131 | 466 |
| | 3000K | 80 | 7 | 50,000 | 16° | 4650 | 455 |
| | 3000K | 80 | 7 | 50,000 | 23 | 1766 | 406 |
| | 3000K | 80 | 7 | 50,000 | 31° | 1157 | 409 |
| e66 | 4000K | 80 | 7 | 50,000 | 13° | 6889 | 524 |
| | 4000K | 80 | 7 | 50,000 | 16° | 5225 | 511 |
| | 4000K | 80 | 7 | 50,000 | 23° | 1984 | 456 |
| | 4000K | 80 | 7 | 50,000 | 31° | 1300 | 459 |
| e74 | Amber (590nm) | ~ | 7 | 50,000 | ~ | ~ | ~ |

| OPTICS | |
|--------------------|-------|
| Optic | Angle |
| NSP - Narrow Spot | 13° |
| SP - Spot | 16° |
| MFL - Medium Flood | 23° |
| WFL - Wide Flood | 31° |

Type: **AB01**
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ARUP
Project Number: 271565
Phone: 1 212 896 3000

PM1J JUNCTION BOX (SURFACE MOUNT)

ORDER FIXTURE SEPARATELY.

DATE:

PROJECT:

TYPE:

CATALOG NUMBER LOGIC:

**CATALOG NUMBER LOGIC**

Example: PM1J - SM - 1 - BLW

MATERIAL

Aluminum

SERIES

PM1J - Universal Power Module 1 Junction Box

MOUNTING

SM - Surface Mount

FIXTURE MOUNTING

0 - Blank Cover (Not available with Monument Mount)

1 - Offset

2 - Center

FINISH

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRI, CRM, HUG, MDS, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)

(Also available in RAL Finishes. See submittal SUB-1439-00)

Type:

AB01

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01/21/2020 SKU-721 P2

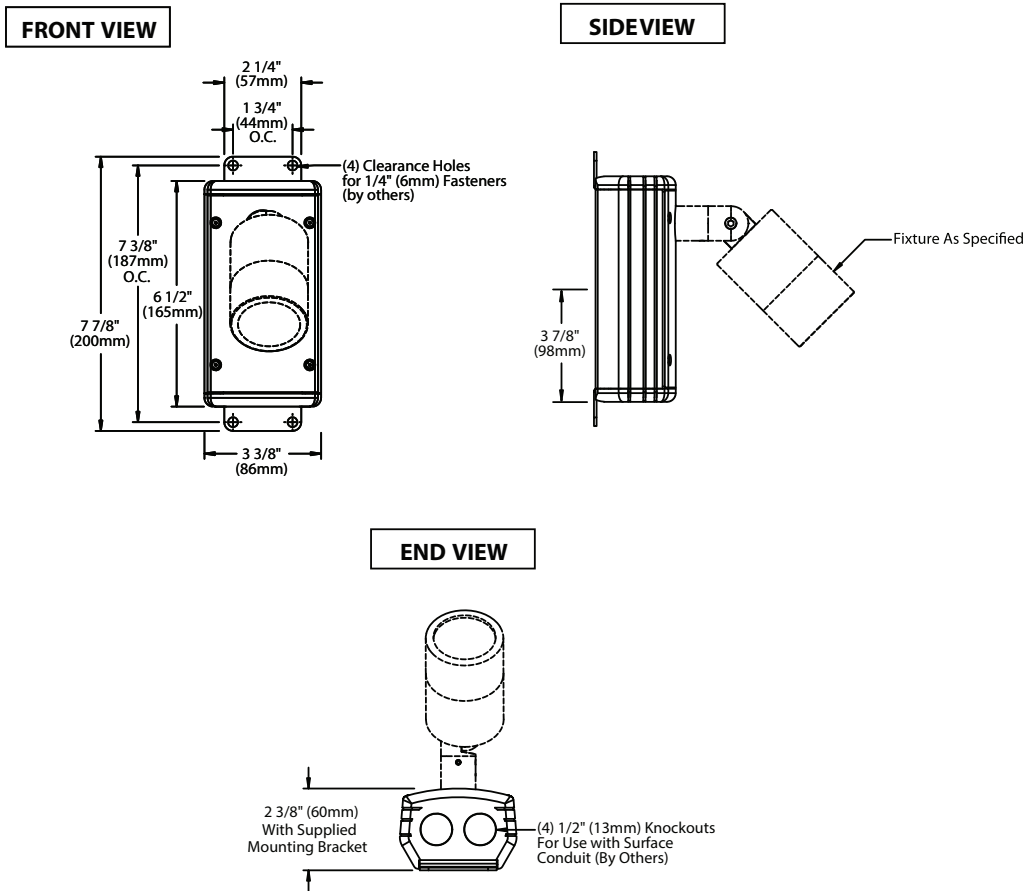
ARUP

Project Number: 271565

Phone: 1 212 896 3000

| PM1J JUNCTION BOX (SURFACE MOUNT) | | | ORDER FIXTURE SEPARATELY. |
|-----------------------------------|----------|-------|---------------------------|
| DATE: | PROJECT: | TYPE: | |

Type: **AB01**
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| | | |
|---------------------|------------------------|---|
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ARUP
Project Number: 271565
Phone: 1 212 896 3000

PM1J JUNCTION BOX (SURFACE MOUNT)ORDER FIXTURE SEPARATELY.




DATE:PROJECT:TYPE:

Accessories (Configure separately)

Type:
AB01
Page 8 of 8

SPECIFICATIONS

| | | |
|----------|-------------------------|--|
| PHYSICAL | SURFACE MOUNT | For use with side entry, surface conduits. Stainless steel mounting brackets provide for direct anchor to architectural surfaces in any orientation. |
| | HOUSING | Copper free, aluminum extrusion with die cast end caps. Surface mounted with flow through back channel to prevent water and debris collection. Machined aluminum cover with countersunk holes for flush hardware installation. Tamper-resistant, captive, black oxide stainless steel mounting screws. Front access for ease of installation and inspection. Two (2) 1/2" NPT female conduit entries per end cap for through wiring. |
| | INSTALLATION TETHER | Stainless steel cable with integral loop allows cover to temporarily suspend from housing during installation to simplify wire connection and component attachment. |
| | PATENTED KNOCKOUTS | Four (4) 1/2" NPT, machined aluminum knockouts. High temperature, silicone 'O' Ring for water-tight seal. Patented design allows knockout to be reinserted without compromising seal integrity. |
| | FINISH | StarGuard, our 15-stage, chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. Finish to match fixture. (specified separately). |
| | WARRANTY | 5-year limited warranty. |
| | CERTIFICATION & LISTING | Certified to CAN/CSA/ANSI Standards. UL Listed. NEMA 4X / IP66 Rated Enclosure. RoHS compliant. Made in USA with sustainable processes. |



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ARUP
Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: Selux : Lenova LED Catenary Light
Description: Pole Light R5R Type Distribution

Fixture Wattage: 15 W
Lumen Output: 1316 lumen
Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 120 V

Fixture Finish: Galvanized, Clear anodized or custom RAL

Lamp CCT: 3000K

Assembly Code: LALC-R5R-CL-5G150-XX-30-SP-120-DM

Date: _____ Customer: _____
 Project: _____
 Type: _____ Qty: _____

selux

Type:

AC01

Page 1 of 6

Lanova LED Catenary



Order Code:

| | | | | | | | | | | |
|------|-------------------|-----------------------------|------------------------------------|--------------------------------------|--------------------------|---|-----------------------------|--|---------------------------|--------------------|
| LALC | Series | LALC Lanova LED catenary | | | | | | | | |
| | Optics | R1 Type I | R2 Type II | R3 Type III | R3W Type III Wide | R4 Type IV | R5S Type V Square | R5R Type V Round | R5Q Type V Rectangular | DB Diffuse Bowl |
| | Cylinder | CL Clear long | FL ¹ ½ Frosted Long | CT Clear Tapered Cylinder | ¹ DB optics only | | | | | |
| | Light Engine | 5G150² 1316lm, 15W | 5G250² 2193lm, 24W | 5G350 3070lm, 33W | 5G450 3948lm, 42W | ² Not Available with DM, HL30, or HL50 * Based on R2 distribution and 3000K CCT | | | | |
| | Power Cord Length | XX³ | | | | | | | | |
| | CCT | 30 3000K | 40 4000K | for other CCT please consult factory | | | | | | |
| | Finish | WH White | BK Black | BL Semi-Matte Black | BZ Bronze | SV Silver | SP Specify Premium Color | | | |
| | Voltage | 120 | 208 | 240 | 277 | 347⁴,⁵ | 480⁴,⁵ | ⁴ Not available with HL30 or HL50 ⁵ Requires stepdown transformer, 60 Hz only | | |
| | Options | DM Dimming (0-10V) | HL30⁶,⁷ Hi-Lo Switching 30-100% | HL50⁶,⁷ Hi-Lo Switching 50-100% | HS⁸ House Side Shield | ⁶ 120, 240, and 277V Only ⁷ Not available with DM option ⁸ Type I, II, III, and IV only | | | | |

Product Modifications

Please list modification requirements for review by factory:

Approvals

Date:



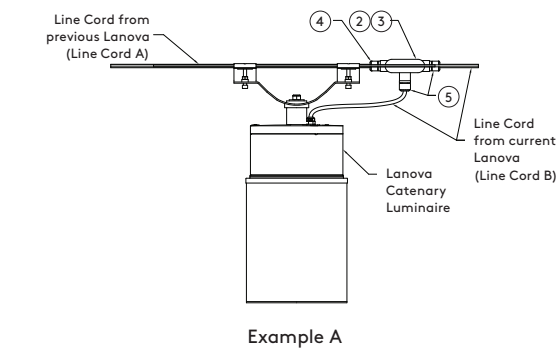
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 In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.

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 (Rev. 09/2020)
 LALC_ss_v4.4

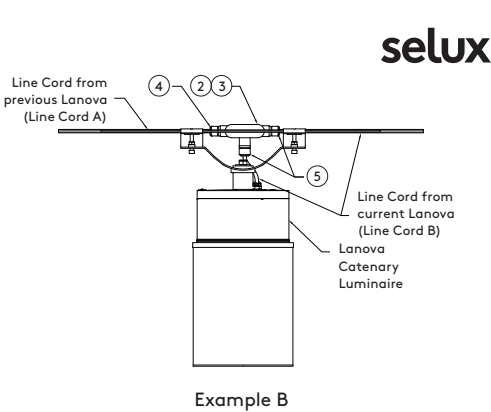
ARUP

Project Number: 271565
 Phone: 1 212 896 3000

Lanova LED Catenary



Net Weight (19.5 lbs)
EPA = 0.68 ft²



Mid-run connector provided standard one (1) per fixture. For layouts refer to the Catenary Design Guide at selux.com

Specifications

Luminaire Housing/Hanger

Die cast aluminum housing made from low copper marine grade aluminum. Hanger bracket made from stainless steel with stainless steel hardware. Hanger Bracket provides 360° rotation and 15° tilt in either direction.

Gasketing

Continuous UV resistant silicone gasket provides weatherproofing, dust and insect control at all fixture connections.

LED Array

High Flux LEDs mounted to metal core PCB and attached to aluminum heat sink for maximum LED performance and life. CCT tolerance within a 3 step bin and provided with a minimum CRI of 80. LED light engine has a reported lumen maintenance of 93% at 50,000 hours. L70 calculated greater than 100,000 hours.

LED Optics

Clear or half frosted UV stabilized acrylic outer cylinder creates the optical chamber. Technical Optics (R1, R2, R3, R3W, R4, R5S, R5R and R5Q) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Diffuser Bowl (DB) option made of highly diffuse UV stabilized acrylic hides LED source and provides a pleasant/soft light quality.

LED Driver

LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, meets the requirements of IP65 and includes a 5 Year warranty.

Surge Protector

Independent surge protector device designed to protect luminaire from electrical surge up to 20kA.

Power Cord

UV resistant black SJ power cord pre-installed at factory. Please specify power cord length available in 1' increments from 5' - 30'.

Finish

Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty -

Selux offers a 5 Year Limited Warranty to the original purchaser that the Lanova LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

Listings and Ratings: Luminaire tested to IP65 and LM-79 standards. LEDs tested to LM-80 standards.

Luminaire suitable for ambient temperatures from 40°C (104°F) maximum to -40°C (-40°F) minimum.

NRTL Listed (i.e. UL, CSA)

Visit selux.us for our LED End of Life recycling policy.

Type:

AC01

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Lanova LED Catenary

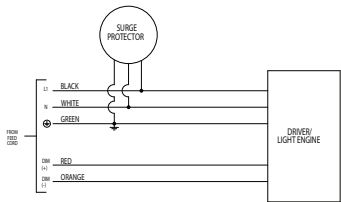
selux

Type:
AC01
Page 3 of 6

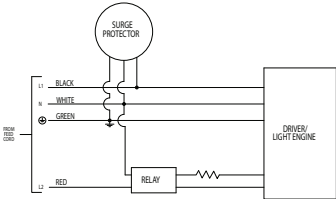
| ELECTRICAL SPECIFICATIONS | | | | | | | | | |
|--------------------------------------|--------------------------|----------------------------------|--------------------|--------------------------|----------------------------------|--------------------|--------------------------|----------------------------------|--------------------|
| CCT | 3000K | | | | | | | | |
| CYLINDER | Clear Cylinder | | | | | | Frosted Cylinder | | |
| OPTICS | Asymmetric | | | Symmetric | | | Diffuse Symmetric | | |
| Light Engine/ Electrical Specs | Delivered Lumens (lm) | Wattage (W) 120-277 / 347-480 | Efficacy (lm/W) | Delivered Lumens (lm) | Wattage (W) 120-277 / 347-480 | Efficacy (lm/W) | Delivered Lumens (lm) | Wattage (W) 120-277 / 347-480 | Efficacy (lm/W) |
| 5G150 | 1316 | 14.2 / 18 | 92.9 | 1488 | 14.2 / 18 | 105.0 | 1327 | 14.2 / 18 | 93.5 |
| 5G250 | 2193 | 23.6 / 27 | 92.9 | 2480 | 23.6 / 27 | 105.0 | 2211 | 23.6 / 27 | 93.5 |
| 5G350 | 3070 | 33.1 / 35 | 92.9 | 3471 | 33.1 / 35 | 105.0 | 3096 | 33.1 / 35 | 93.5 |
| 5G450 | 3948 | 42.5 / 44 | 92.9 | 4463 | 42.5 / 44 | 105.0 | 3981 | 42.5 / 44 | 93.5 |

Wiring

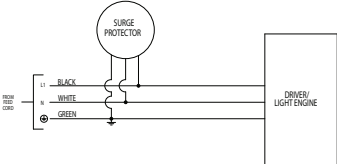
0-10V Dimming Option (DM) Wiring for 120-277V
100% light output at 10V, down to 1% light output at 0V.



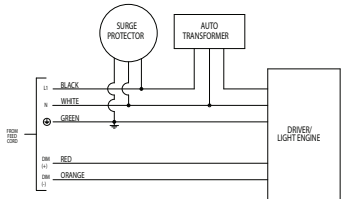
Hi-Lo Switching Option (HL30/HL50) Wiring
120/240/277V. When red is energized, light output will be
at "Lo" level.



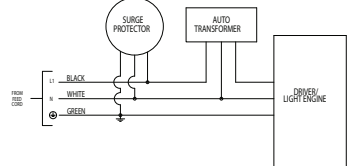
Standard Wiring for 120-277V
Standard wiring for 120-277V with no additional options.



0-10V Dimming Option (DM) Wiring for 347/480V
100% light output at 10V, down to 1% light output at 0V.



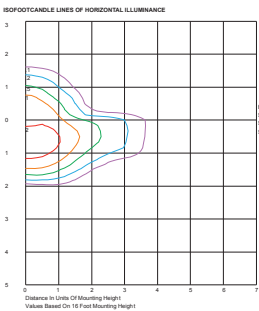
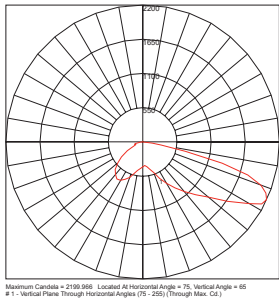
Standard Wiring for 347/480V
Standard wiring for 347/480V with no additional options.



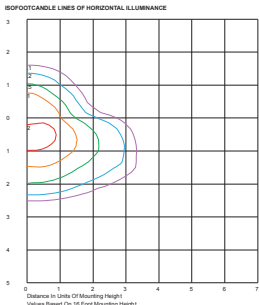
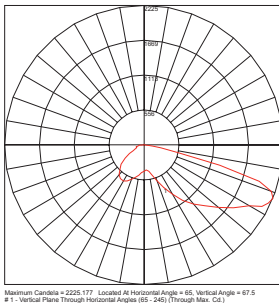
Lanova LED Catenary

Photometry

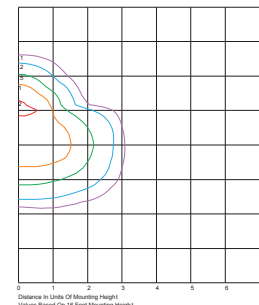
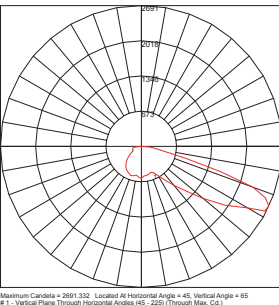
R1 / 42.5W LED / 3000K CCT
Catalog #: LALC-R1-CL-X-5G450-30-XX-120
Maximum candela of 2200 at 65° from vertical.
Mounting Height = 16' (4.87m)
3948 Delivered Lumens
93 Lumens per Watt
BI-U1-G1



R2 / 42.5W LED / 3000K CCT
Catalog #: LALC-R2-CL-X-5G450-30-XX-120
Maximum candela of 2225 at 67.5° from vertical.
Mounting Height = 16' (4.87m)
3948 Delivered Lumens
93 Lumens per Watt
BI-U1-G1



R3 / 42.5W LED / 3000K CCT
Catalog #: LALC-R3-CL-X-5G450-30-XX-120
Maximum candela of 2691 at 65° from vertical.
Mounting Height = 16' (4.87m)
3948 Delivered Lumens
93 Lumens per Watt
BI-U1-G1



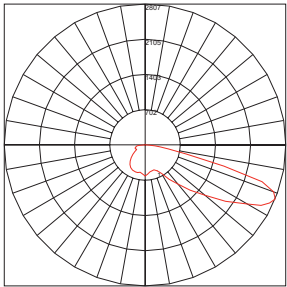
Type: **AC01**
Page 4 of 6

ARUP
Project Number: 271565
Phone: 1 212 896 3000

Lanova LED Catenary

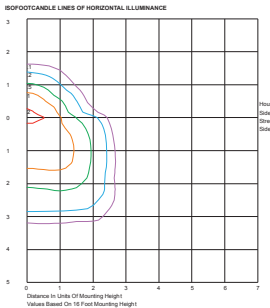
Photometry

R4 / 42.5W LED / 3000K CCT
Catalog #: LALC-R4-CL-X-5G450-30-XX-120
Maximum candela of 2807 at 67.5° from vertical.
Mounting Height = 16' (4.87m)
3948 Delivered Lumens
93 Lumens per Watt
B1-U1-G1



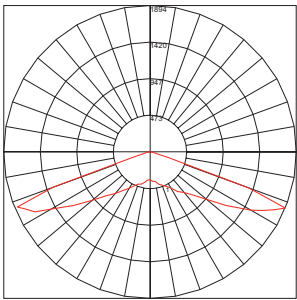
Maximum Candela = 2807.707 Located At Horizontal Angle = 35, Vertical Angle = 67.5
1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)

selux

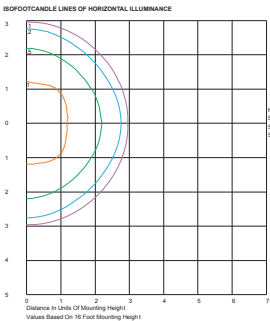


Type: **AC01**
Page 5 of 6

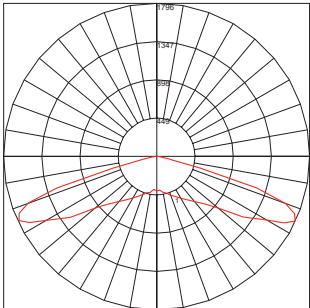
R5R/ 42.5W LED / 3000K CCT
Catalog #: LALC-R4R-CL-X-5G450-30-XX-120
Maximum candela of 1894 at 67.5° from vertical.
Mounting Height = 16' (4.87m)
4463 Delivered Lumens
105 Lumens per Watt
B2-U1-G1



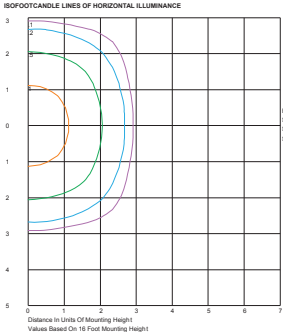
Maximum Candela = 1893.897 Located At Horizontal Angle = 0, Vertical Angle = 67.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)



R5S/ 42.5W LED / 3000K CCT
Catalog #: LALC-R4S-CL-X-5G450-30-XX-120
Maximum candela of 1796 at 65° from vertical.
Mounting Height = 16' (4.87m)
4463 Delivered Lumens
105 Lumens per Watt
B2-U1-G1



Maximum Candela = 1795.989 Located At Horizontal Angle = 45, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)

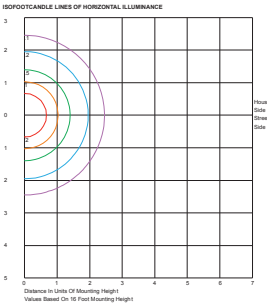
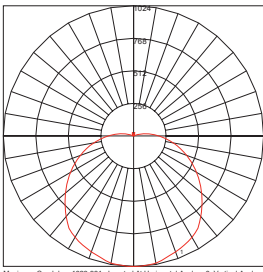


ARUP
Project Number: 271565
Phone: 1 212 896 3000

Lanova LED Catenary

Photometry

DB / 42.5W LED / 3000K CCT
Catalog #: LALC-DB-FL-X-5G450-30-XX-120
Maximum candela of 1024 at 2.5° from vertical.
Mounting Height = 16' (4.87m)
3981 Delivered Lumens
94 Lumens per Watt
BI-U3-G2



selux

Type: **AC01**
Page 6 of 6

ARUP
Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: BK : Delta Star
Description: Spotlight with spot optic (16deg)

Fixture Wattage: 7 W
Lumen Output: 406 lumen
Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 12 V
Fixture Finish: Standard finish to be specified by architect
Lamp CCT: 3000K
Assembly Code: DS-LED-e65-SP-A9-XXX-12-C

DELTA STAR LED

IP66 RATED

DATE:

PROJECT:

TYPE:

CATALOG NUMBER LOGIC:



*Designed for use with LED transformer. Requires magnetic low voltage dimmer.

**Please see Adjust-e-Lume photometry to determine desired intensity.

***The 360SL cost is already included in the price of UPM, UPM dual, and Power Canopy.

CATALOG NUMBER LOGIC

Example: B - DS - LED - e64 - SP - A7 - BZP - 12 - 11 - A - 360SL

MATERIAL

(Blank) - Aluminum B - Brass S - Stainless Steel

SERIES

DS - Delta Star

SOURCE

LED - with Integral Dimming Driver (25W min. load when dimmed)*

LED TYPE

e64 - 7W LED/2700K e66 - 7W LED/4000K
 e65 - 7W LED/3000K e74 - 7W LED/Amber

OPTICS

NSP - Narrow Spot (13°) MFL - Medium Flood (23°)
 SP - Spot (16°) WFL - Wide Flood (31°)

ADJUST-E-LUME® OUTPUT INTENSITY**

A9 (Standard), A8, A7, A6, A5, A4, A3, A2, A1

FINISH (See page 2 for full-color swatches)

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRI, CRM, HUG, MDS, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)

Also available in RAL Finishes

Brass Finishes (MAC, POL, MIT)

Stainless Steel Finishes (MAC, POL)

LENS TYPE

12 - Soft Focus 13 - Rectilinear

SHIELDING

11 - Honeycomb Baffle

CAP STYLE

A - 45°

B - 90°

C - Flush Lens

D - 45° Less Weephole (Interior use only)

E - 90° Less Weephole (Interior use only)

F - 90° with Flush Lens

OPTIONS

360SL - Knuckle Mounting System***

Type:

ADS01

Page 1 of 7

Lighting Notes:

1. Coordinate remote driver location in nearest possible location with Landscape Architect.
2. Contractor to coordinate conduit routing to driver with electrical and civil scope.

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01/15/2020 SKU-739
SUB0000930

ARUP

Project Number: 271565
 Phone: 1 212 896 3000

DELTA STAR LED

IP66 RATED

DATE:

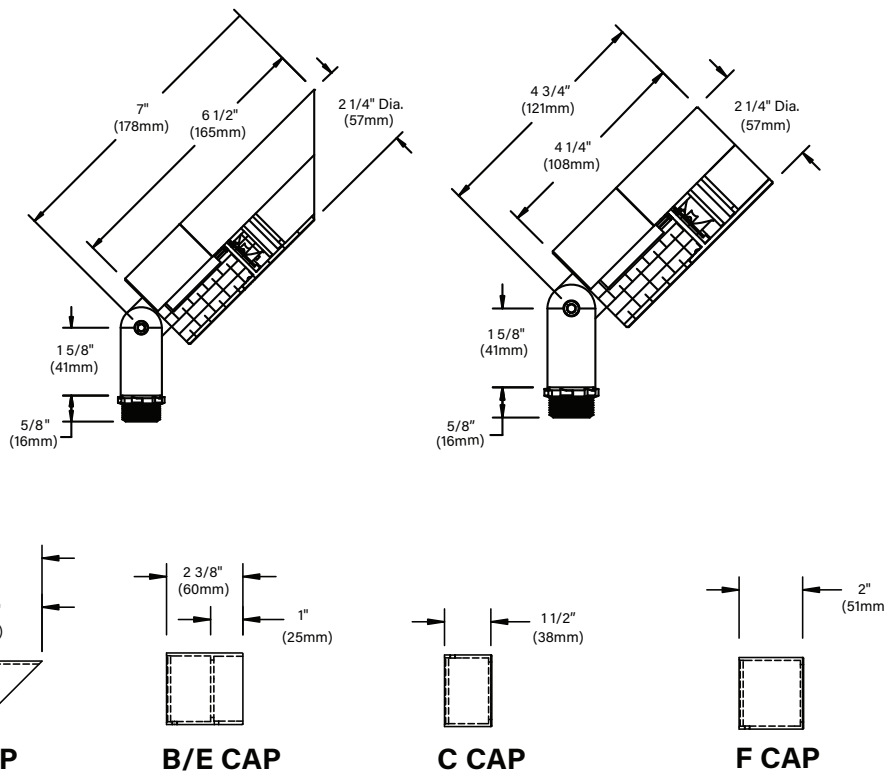
PROJECT:

TYPE:

Type:

ADS01

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STANDARD FINISHES



Click Here to view larger, full-color swatches of all available finishes on our website.

PREMIUM FINISHES



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01/15/2020 SKU-739
SUB0000930

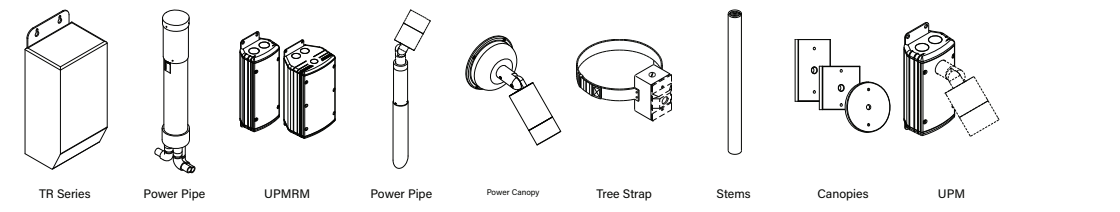
ARUP

Project Number: 271565
Phone: 1 212 896 3000

DELTA STAR LEDIP66 RATED

DATE:PROJECT:TYPE:

Accessories (Configure separately)



| | | |
|---|---|---|
| SPECIFICATIONS | | |
| ELECTRICAL | WATTAGE WIRING REMOTE TRANSFORMER | 7W LED XLPE, 18GA,150C, 600V, rated and certified to UL3321. For use with 12VAC remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers. |
| PHYSICAL | MATERIALS BODY KNUCKLE CAP LENS LED DIMMING ADJUST-E-LUME OPTICS HARDWARE FINISH WARRANTY CERTIFICATION & LISTING | Furnished in copper-free aluminum (6061-T6), brass (360) or stainless steel (304). Unibody design with enclosed, water-proof wireway and integral heat sink is fully machined from solid billet. LOCK Knuckle is integral to the body and features an interior taper machined from solid billet and a second, reverse angle taper allowing full 180° vertical adjustment without the use of aim-limiting serrated teeth. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lbs. static load prior to movement for optical alignment with a 1/2" pipe thread for mounting. Optional 360SL provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment. Fully machined and accommodates two (2) lens or louver media. Shock-resistant, tempered glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Integrated solid state system and modular design with electrical disconnects allow for easy field upgrade and maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements and exceeds ENERGY STAR* lumen maintenance requirements. LM-80 certified components. Integral, constant current driver. 12VAC/VDC input. 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current (limited to <250mA non-dimming). Output, overvoltage, open-circuit, and short circuit protected. Conforms to Safety Std. C22.2 No. 250.13-12. Line voltage dimmable via magnetic low voltage dimmer with dedicated neutral conductor. Remote magnetic transformer with LED loads should be loaded to 25% of the transformer VA (watts) rated value. Integral electronics allow for dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed. Specify factory preset output intensity. Interchangeable OPTIKIT modules permit optical field changes. Color-code: Narrow Spot (NSP) = red; Spot (SP) = green; Medium Flood (MFL) = yellow; Wide Flood (WFL) = blue. Tamper-resistant, stainless steel hardware. LOCK aiming screw is black oxide treated for additional corrosion resistance. StarGuard, our 15-stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. Powder coat or metal finish options available for brass material and metal finish option only for stainless steel material. 5-year limited warranty. ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. RoHS compliant. Suitable for indoor or outdoor use, in wet locations, and for installation within 4' of the ground. IP66 Rated. Made in the USA with sustainable processes. |
| <div><div> RoHS MADE IN THE USA</div></div> | | |

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01/15/2020 SKU-739
SUB000930

Type:
ADS01
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LAMP & DRIVER DATA (e64, e65, e66, e74)

| | | |
|-------|----------|-------|
| DATE: | PROJECT: | TYPE: |
|-------|----------|-------|

| | | | | | |
|-------------|------------------|---------------------|-----------|-----------------------------|-------------------------------|
| DRIVER DATA | Input Volts | InRush Current | Operating | Dimmable | Operation Ambient Temperature |
| | 12VAC/DC 50/60Hz | <250mA (non-dimmed) | 700mA | Magnetic Low Voltage Dimmer | -22°F-194°F (-30°C - 90°C) |

| LM79 DATA | | | | L70 DATA | OPTICAL DATA | | |
|-----------|---------------|------------|--------------------|---|--------------|------|------------------|
| BK No. | CCT (Typ.) | CRI (Typ.) | Input Watts (Typ.) | Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀) | Angle | CBCP | Delivered Lumens |
| e64 | 2700K | 80 | 7 | 50,000 | 13° | 5993 | 456 |
| | 2700K | 80 | 7 | 50,000 | 16° | 4546 | 445 |
| | 2700K | 80 | 7 | 50,000 | 23° | 1726 | 397 |
| | 2700K | 80 | 7 | 50,000 | 31° | 1131 | 399 |
| e65 | 3000K | 80 | 7 | 50,000 | 13° | 6131 | 466 |
| | 3000K | 80 | 7 | 50,000 | 16° | 4650 | 455 |
| | 3000K | 80 | 7 | 50,000 | 23° | 1766 | 406 |
| | 3000K | 80 | 7 | 50,000 | 31° | 1157 | 409 |
| e66 | 4000K | 80 | 7 | 50,000 | 13° | 6889 | 524 |
| | 4000K | 80 | 7 | 50,000 | 16° | 5225 | 511 |
| | 4000K | 80 | 7 | 50,000 | 23° | 1984 | 456 |
| | 4000K | 80 | 7 | 50,000 | 31° | 1300 | 459 |
| e74 | Amber (590nm) | ~ | 7 | 50,000 | ~ | ~ | ~ |

| OPTICS | |
|--------------------|-------|
| Optic | Angle |
| NSP - Narrow Spot | 13° |
| SP - Spot | 16° |
| MFL - Medium Flood | 23° |
| WFL - Wide Flood | 31° |

Type:
ADS01
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ARUP
Project Number: 271565
Phone: 1 212 896 3000

PM1RM REMOTE LOW VOLTAGE (TRANSFORMER - SURFACE MOUNT) ORDER FIXTURE SEPARATELY.

DATE:

PROJECT:

TYPE:

CATALOG NUMBER LOGIC:



**75W max. electronic transformer allows up to 10' spacing between fixtures. For use with LED fixtures. For use with MR16 LED Lamp fixtures*

***105-300 VAC, 50/60 Hz, non-dimming. For use with LED fixtures.*

****Non-dimming.*

CATALOG NUMBER LOGIC

Example: PM1RM - SM - TRSS75 - BLP - 120

MATERIAL

Aluminum

SERIES

PM1RM - Universal Power Module 1 Remote

MOUNTING

SM - Surface Mount

TRANSFORMER TYPE

TRSS75 - 75VA Electronic Transformer*

TRe20 - TRe20 Electronic Transformer**

FINISH

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRI, CRM, HUG, MDS, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)

(Also available in RAL Finishes. See submittal SUB-1439-00)

INPUT VOLTAGE

(Blank) - For use with TRe20 Electronic Transformer**

120 - 120 VAC (For use with TRSS75)

230 - 230 VAC*** (Electronic only, for use with TRSS75)

277 - 277 VAC*** (For use with TRSS75)

Type:

ADS01

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01/21/2020 SKU-694 P2

ARUP

Project Number: 271565

Phone: 1 212 896 3000

PM1RM REMOTE LOW VOLTAGE (TRANSFORMER - SURFACE MOUNT) ORDER FIXTURE SEPARATELY.

DATE:

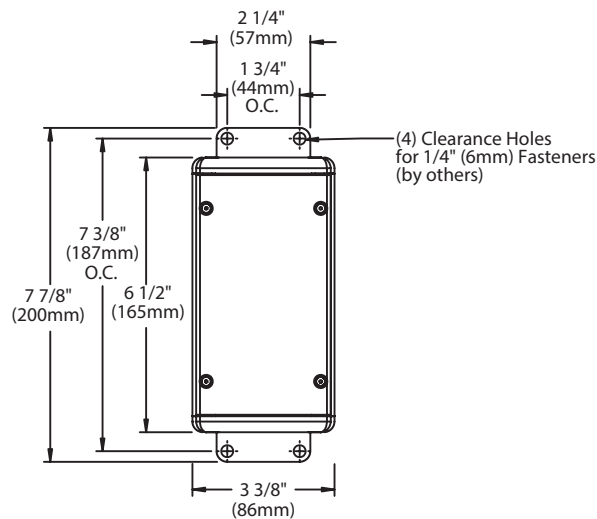
PROJECT:

TYPE:

Type:

ADS01

Page 6 of 7

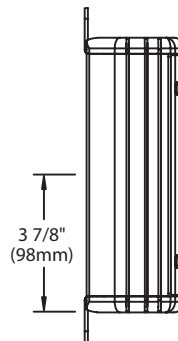
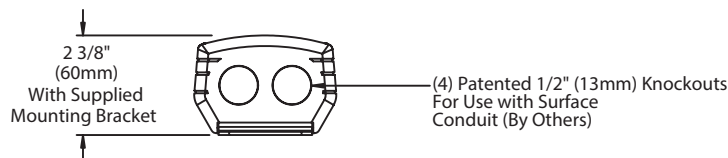
FRONT VIEW**REMOTEWIRING****ElectronicTransformer**

Remote transformer installations require interconnected wiring between the lamp and transformer (by others). Electronic transformers have specific wiring requirements between these components. Transformer manufacturers regularly recommend the following wiring details for such installations:

- Do not exceed 8 foot overall wiring distance using 12 gauge copper wire.

Please consult the factory through your local B-K Lighting Sales Representative prior to finalizing any installation detail utilizing remote transformer wiring.

Failure to comply with specific wiring requirements will void product warranty

SIDEVIEW**END VIEW****B-K LIGHTING****MADE IN THE USA**

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01/21/2020 SKU-694 P2

ARUP

Project Number: 271565

Phone: 1 212 896 3000

PM1RM REMOTE LOW VOLTAGE (TRANSFORMER - SURFACE MOUNT) ORDER FIXTURE SEPARATELY.

DATE:

PROJECT:

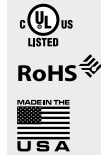
TYPE:

Accessories (Configure separately)

Type:
ADS01
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SPECIFICATIONS

| | | |
|------------|-------------------------------------|--|
| Electrical | TRSS-75 TRANSFORMER | For use with halogen lamps. One (1) 75VA electronic low voltage transformer. 120, 230, or 277VAC primary voltage. 120V is dimmable (40W minimum load) using electronic low voltage dimmer. 10 watt minimum load (non-dimmed). 50/60Hz. 11.6VAC secondary voltage. >.93 Power Factor. <20% THD. Operating frequency >10kHz. Primary overload protection and RFI filtration. Soft start circuitry extends lamp life. |
| | TRe20 ELECTRONIC TRANSFORMER | One (1) 20VA electronic low voltage transformer 105-330VAC primary voltage. 1W minimum load. 20W maximum load. 50/60Hz. Non-dimming. 12VDC secondary voltage. >90% Power Factor. >80% efficiency (under full load). Inrush current limited to <5A max. Thermal shutdown with autorestart. Overload, short circuit, and open circuit protection. |
| PHYSICAL | SURFACE MOUNT | For use with side entry, surface conduits. Stainless steel mounting brackets provide for direct anchor to architectural surfaces in any orientation. |
| | HOUSING | Copper free, aluminum extrusion with die cast end caps. Surface mounted with flow through back channel to prevent water and debris collection. Machined aluminum cover with countersunk holes for flush hardware installation. Tamper-resistant, captive, black oxide stainless steel mounting screws. Front access for ease of installation and inspection. Two (2) 1/2" NPT female conduit entries per end cap for through wiring. |
| | INSTALLATION TETHER | Stainless steel cable with integral loop allows cover to temporarily suspend from housing during installation to simplify wire connection and component attachment. |
| | PATENTED KNOCKOUTS | Four (4) 1/2" NPT, machined aluminum knockouts. High temperature, silicone 'O' Ring for water-tight seal. Patented design allows knockout to be reinserted without compromising seal integrity. |
| | FINISH | StarGuard, our 15-stage, chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. Finish to match fixture. (specified separately). |
| | WARRANTY CERTIFICATION & LISTING | 5-year limited warranty. Certified to CAN/CSA/ANSI Standards. UL Listed. NEMA 4X / IP66 Rated Enclosure. RoHs compliant. Made in USA with sustainable processes. |



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ARUP
Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: Selux : Lenova LED Pole Mount
Description: 14ft Pole Light R3 Type Distribution

Fixture Wattage: 24 W
Lumen Output: 2477 lumen
Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: LAL-R3-X-CL-5G250-XX-30-SP-120-DM

Date: _____ Customer: _____
 Project: _____
 Type: _____ Qty: _____

selux

Type:

ALP01

Page 1 of 6

**Lanova LED
Pole Mount**



straight arm

Order Code: LAL - - - - -

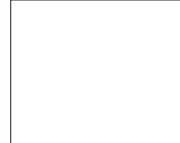
| LAL | | Pole Order Code: | | | | | | |
|-------------------|-----------------------------------|--|--|-------------------------------|-------------------------|-----------------------------|---|--|
| Series | LAL | Series | Height | Finish | Options | | | |
| Lanova LED | | | | | | | | |
| Optics | R1 Type I Distribution | R2 Type II Distribution | R3 Type III Distribution | R4 Type IV Distribution | R5S Type V Square | R5R Type V Round | DB Diffuse Bowl | |
| Mounting | 1 Single | 2 Double | W Wall | | | | | |
| Cylinder | CL Clear long | FL ¹ 1/2 Frosted Long | CT Clear Tapered | | | | ¹ DB optics only | |
| Light Engine | 5G150 ² 1556lm, 15W | 5G250 ² 2477lm, 24W | 5G350 3468lm, 33W | 5G450 4459lm, 42W | | | ² Not Available with DM, HL30, or HL50 [*] Based on R2 distribution and 3000K CCT | |
| Power Cord Length | 8 8' | 10 10' | 12 12' | 14 14' | 16 16' | 18 18' | XX ³ XX' | ³ Add length of arm + height of pole to determine power cord length |
| CCT | 30 3000K | 40 4000K | | | | | for other CCT please consult factory | |
| Finish | WH White | BK Black | BL Semi-Matte Black | BZ Bronze | SV Silver | SP Specify Premium Color | | |
| Voltage | 120 | 208 | 240 | 277 | 347 ^{4,5} | 480 ^{4,5} | ⁴ Not available with HL30 or HL50 ⁵ Requires stepdown transformer, 60 Hz only | |
| Options | DM Dimming (0-10V) | HL30 ^{6,7} Hi-Lo Switching 30-100% | HL50 ^{6,7} Hi-Lo Switching 50-100% | HS* House Side Shield | | | ⁶ 120, 240, and 277V Only ⁷ Not available with DM option [*] Not available with R5S, R5R, or DB optics | |

Product Modifications

Please list modification requirements for review by factory:

Straight arm, power receptacle hidden in base - one circuit per pole

Approvals



Date:



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 In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.

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 (Rev. 02/2020)
 LAL_ss_v1.2

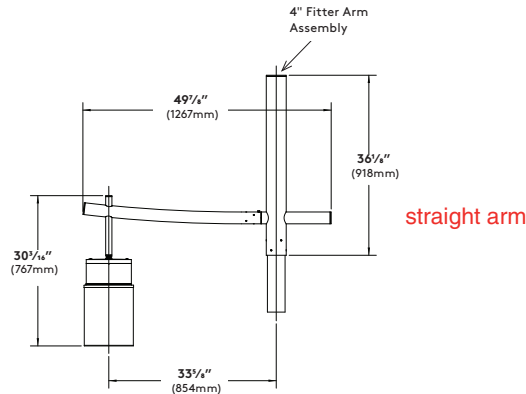
ARUP

Project Number: 271565
 Phone: 1 212 896 3000

Lanova LED

selux

Type:
ALP01
Page 2 of 6



Net Weight (19.5 lbs)
EPA = 0.68 ft²

Specifications

Luminaire Housing

Die cast aluminum housing made from low copper marine grade aluminum.

Gasketing

(not shown) Continuous UV resistant silicone gasket provides weatherproofing, dust and insect control at all fixture connections.

LED Array

(not shown) High Flux LEDs mounted to metal core PCB and attached to aluminum heat sink for maximum LED performance and life. CCT tolerance within a 3 step bin and provided with a minimum CRI of 80. LED light engine has a reported lumen maintenance of 93% at 50,000 hours. L70 calculated greater than 100,000 hours.

LED Optics

Clear half frosted, or tapered UV stabilized acrylic outer cylinder creates the optical chamber. Technical Optics (R1, R2, R3, R4, R5S and R5R) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Diffuser Bowl (DB) option made of highly diffuse UV stabilized acrylic hides LED source and provides a pleasant/soft light quality.

LED Driver

LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, meets the requirements of IP65 and includes a 5 Year warranty.

Surge Protector

(not shown) Independent surge protector device designed to protect luminaire from electrical surge up to 20kA.

Power Cord

(not shown) UV resistant black SJ power cord pre-installed at factory. Please specify power cord length available in 1' increments from 5' - 30'.

Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty -

Selux offers a 5 Year Limited Warranty to the original purchaser that the Lanova LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

Listings and Ratings: Luminaire tested to IP65 and LM-79 standards. LEDs tested to LM-80 standards.

Luminaire suitable for ambient temperatures from 40°C (104°F) maximum to -40°C (-40°F) minimum.

NRTL Listed (i.e. UL, CSA)

Visit selux.us for our LED End of Life recycling policy.

Lanova LED

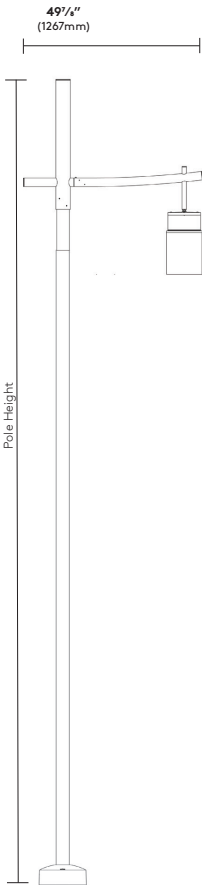
Mounting

selux

Type:
ALP01
Page 3 of 6

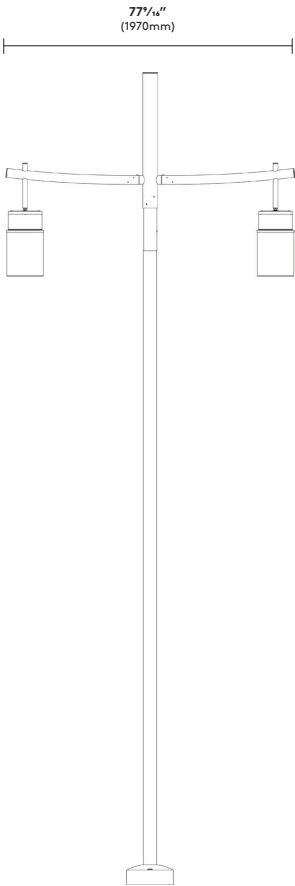
1 - Single Arm

EPA = 1.57ft²
Weight = 32lbs. (15kg)



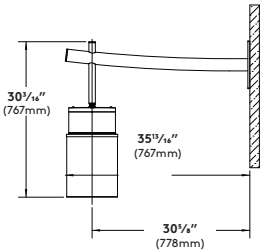
2 - Double Arm

EPA = 1.3ft²
Weight = 55lbs. (25kg)



W - Wall Mount Arm

EPA = N/A
Weight = 24lbs. (11kg)

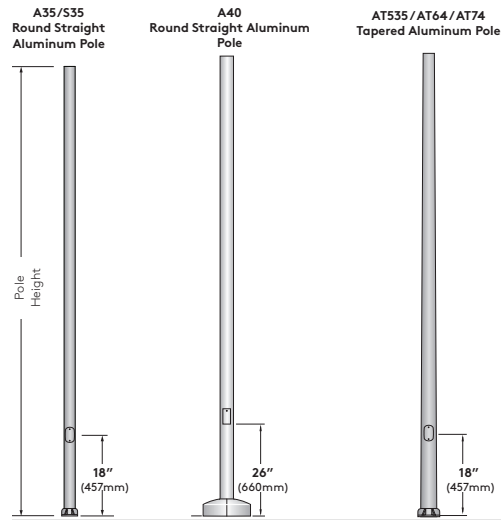


ARUP
Project Number: 271565
Phone: 1 212 896 3000

Lanova LED

Pole Information

Refer to pole specification sheets for construction details, anchorage information and additional options.



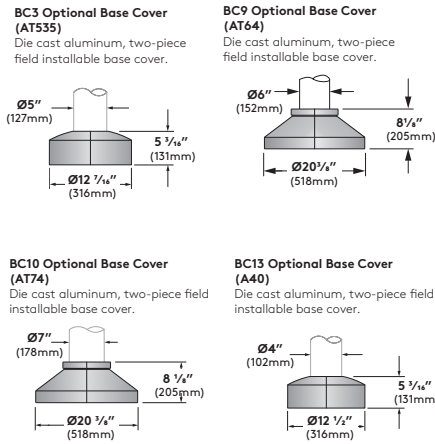
| Pole Data Chart | | Bolt Circle | | | | | | | | | | | Height | Finish | Options |
|--|---------|-------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------------------|---|
| Pole Series | | | 90 mph | 100 mph | 110 mph | 120 mph | 130 mph | 140 mph | 150 mph | 160 mph | 170 mph | 180 mph | | | |
| A35 3 1/2" Round Straight Aluminum Pole | 7 1/2" | 4.8 | 3.5 | 2.6 | 1.8 | 1.3 | 0.9 | 0.7 | 0.6 | - | - | - | 12 12ft | WH White | BC3 Decorative Cast Aluminium Base Cover (AT535) BC9 Decorative Cast Aluminium Base Cover (AT64) BC10 Decorative Cast Aluminium Base Cover (AT74) BC13 Decorative Cast Aluminium Base Cover (A40) T35 Supplied with 3/2" diameter tenon, 4/2" high (use for A40, AT64, AT74 only) |
| A40 4" Round Straight Aluminum Pole | 7 1/2" | 9.3 | 7.2 | 5.6 | 4.5 | 3.7 | 3.1 | 2.7 | 2.3 | 2.0 | 1.7 | - | | BK Black | |
| AT535 5" to 3 1/2" Round Tapered Aluminum Pole | 8 1/2" | 13.4 | 10.5 | 8.4 | 6.9 | 5.8 | 4.9 | 4.2 | 3.6 | 3.2 | 2.8 | - | | BL Semi-Matte Black | |
| AT64 6" to 4" Round Tapered Aluminum Pole | 9 1/2" | 20.3 | 16.1 | 13.1 | 10.9 | 9.2 | 7.9 | 6.8 | 5.9 | 5.2 | 4.5 | - | 14 14ft | BZ Bronze | REC1 GFCI Receptacle with weather-proof cover REC2 GFCI Receptacle with weather-proof padlockable in-use cover REC3 USB and Duplex Receptacle with weather-proof cover REC4 USB and Duplex Receptacle with weather-proof padlockable in-use cover Motion Sensor w/ Optional Photocell |
| A35 3 1/2" Round Straight Aluminum Pole | 7 1/2" | 3.5 | 2.4 | 1.6 | 1.0 | 0.5 | - | - | - | - | - | - | | SV Silver | |
| A40 4" Round straight Aluminum Pole | 7 1/2" | 10.3 | 7.9 | 6.1 | 4.9 | 4.0 | 3.4 | 2.9 | 2.5 | 2.1 | 1.8 | - | | SP Specify Premium Color | |
| AT535 5" to 3 1/2" Round Tapered Aluminum Pole | 8 1/2" | 11.2 | 8.7 | 6.9 | 5.5 | 4.6 | 3.8 | 3.3 | 2.8 | 2.4 | 2.1 | - | 16 16ft | | |
| AT64 6" to 4" Round tapered Aluminum Pole | 9 1/2" | 17.2 | 13.6 | 11.0 | 9.1 | 7.6 | 6.5 | 5.6 | 4.8 | 4.2 | 3.7 | - | | | |
| A35 3 1/2" Round Straight Aluminum Pole | 7 1/2" | 2.1 | 1.2 | 0.6 | - | - | - | - | - | - | - | - | | | |
| A40 4" Round straight Aluminum Pole | 7 1/2" | 8.3 | 6.2 | 4.7 | 3.6 | 3.0 | 2.5 | 2.1 | 1.7 | 1.5 | 1.2 | - | 18 18ft | | |
| AT535 5" to 3 1/2" Round tapered Aluminum Pole | 8 1/2" | 9.1 | 6.9 | 5.4 | 4.3 | 3.4 | 2.9 | 2.4 | 2.0 | 1.7 | 1.5 | - | | | |
| AT64 6" to 4" Round tapered Aluminum Pole | 9 1/2" | 14.3 | 11.2 | 9.0 | 7.4 | 6.2 | 5.2 | 4.4 | 3.8 | 3.3 | 2.9 | - | | | |
| A40 4" Round straight Aluminum Pole | 7 1/2" | 6.6 | 4.8 | 3.5 | 2.6 | 2.1 | 1.7 | 1.4 | 1.1 | 0.9 | 0.7 | - | 18 18ft | | |
| AT535 5" to 3 1/2" Round tapered Aluminum Pole | 8 1/2" | 9.2 | 7.0 | 5.4 | 4.2 | 3.4 | 2.8 | 2.3 | 2.0 | 1.7 | 1.4 | - | | | |
| AT64 6" to 4" Round tapered Aluminum Pole | 9 1/2" | 11.9 | 9.2 | 7.3 | 6.0 | 4.9 | 4.2 | 3.5 | 3.0 | 2.6 | 2.2 | - | | | |
| AT74 7" to 4" Round tapered Aluminum Pole | 10 1/2" | 17.5 | 13.8 | 11.2 | 9.2 | 7.7 | 6.5 | 5.6 | 4.8 | 4.1 | 3.5 | - | | | |

Allowable EPA calculated according to AASHTO 1994 and include allowance for 1/3 gust factor. See Mounting Configuration pages for fixture arm weight and EPA values.

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Type:
ALP01
Page 4 of 6

Optional Base Covers for Poles
Die cast aluminum.



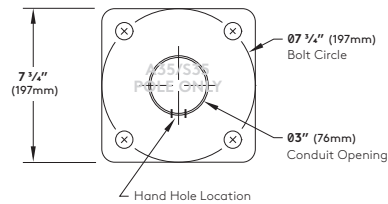
Lanova LED

selux

Type:
ALP01
Page 5 of 6

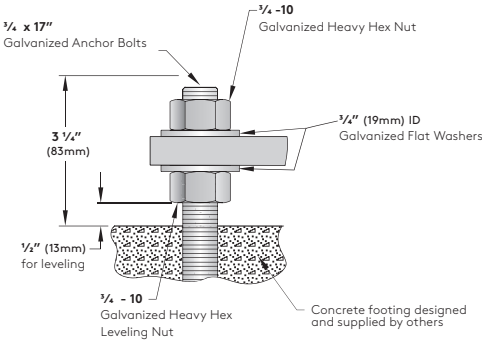
Pole Information
Refer to pole specification sheets for construction details, anchorage information and additional options.

Bolt Circle for A35 & S35
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown

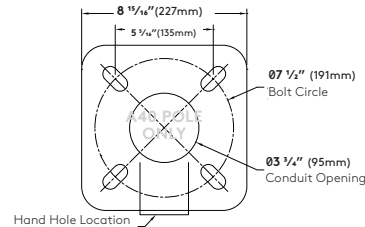


Note: Adequate drainage must be provided in concrete foundation.

Anchor Bolt Detail for A35 & S35

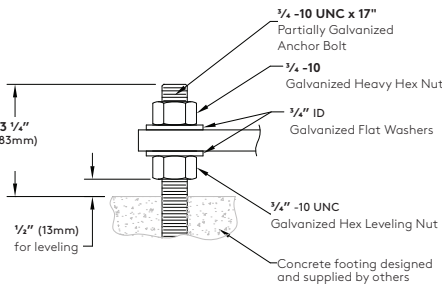


Bolt Circle for A40
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown

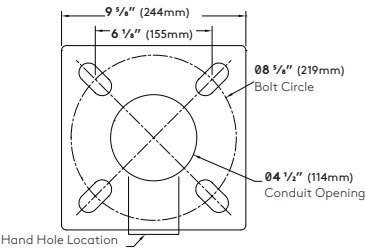


Note: Adequate drainage must be provided in concrete foundation.

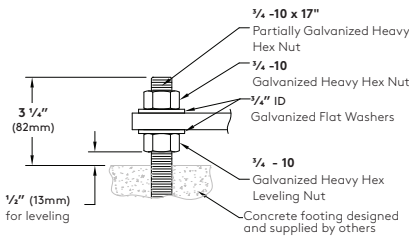
Anchor Bolt Detail for A40



Bolt Circle for AT535
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



Anchor Bolt Detail for AT535



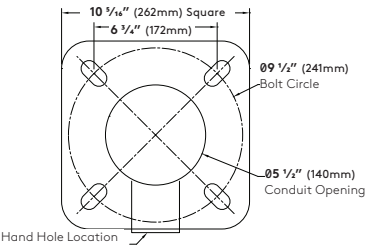
Lanova LED

selux

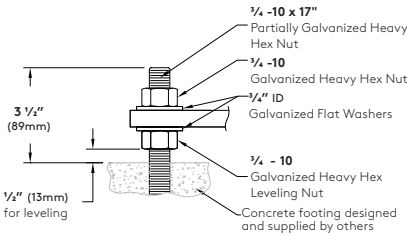
Type:
ALP01
Page 6 of 6

Pole Information
Refer to pole specification sheets for construction details, anchorage information and additional options.

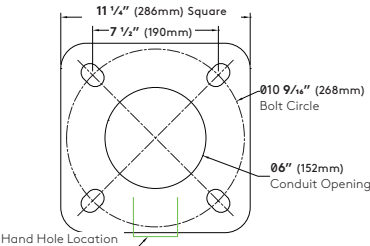
Bolt Circle for AT64
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



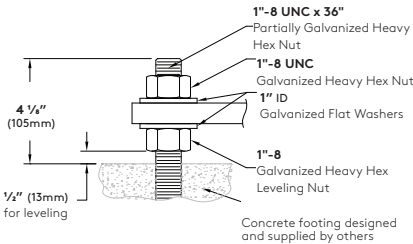
Anchor Bolt Detail for AT64



Bolt Circle for AT74
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



Anchor Bolt Detail for AT74



ARUP
Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: Selux : Lenova LED Pole Mount
Description: 14ft Pole Light R1 Type Distribution

Fixture Wattage: 24 W
Lumen Output: 2477 lumen
Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: LAL-R1-X-CL-5G250-XX-30-SP-120-DM

Date: _____ Customer: _____
 Project: _____
 Type: _____ Qty: _____

selux

Type:

ALP02

Page 1 of 8

**Lanova LED
Pole Mount**



straight arm

Order Code: LAL - - - - -

| LAL | | Pole Order Code: | | | | | | |
|-------------------|-----------------------------------|--|--|-------------------------------|-------------------------|-----------------------------|---|--|
| Series | LAL | Series | Height | Finish | Options | | | |
| | Lanova LED | | | | | | | |
| Optics | R1 Type I Distribution | R2 Type II Distribution | R3 Type III Distribution | R4 Type IV Distribution | R5S Type V Square | R5R Type V Round | DB Diffuse Bowl | |
| Mounting | 1 Single | 2 Double | W Wall | | | | | |
| Cylinder | CL Clear long | FL ¹ 1/2 Frosted Long | CT Clear Tapered | | | | ¹ DB optics only | |
| Light Engine | 5G150 ² 1556lm, 15W | 5G250 ² 2477lm, 24W | 5G350 3468lm, 33W | 5G450 4459lm, 42W | | | ² Not Available with DM, HL30, or HL50 [*] Based on R2 distribution and 3000K CCT | |
| Power Cord Length | 8 8' | 10 10' | 12 12' | 14 14' | 16 16' | 18 18' | XX ³ XX' | ³ Add length of arm + height of pole to determine power cord length |
| CCT | 30 3000K | 40 4000K | | | | | for other CCT please consult factory | |
| Finish | WH White | BK Black | BL Semi-Matte Black | BZ Bronze | SV Silver | SP Specify Premium Color | | |
| Voltage | 120 | 208 | 240 | 277 | 347 ^{4,5} | 480 ^{4,5} | ⁴ Not available with HL30 or HL50 ⁵ Requires stepdown transformer, 60 Hz only | |
| Options | DM Dimming (0-10V) | HL30 ^{6,7} Hi-Lo Switching 30-100% | HL50 ^{6,7} Hi-Lo Switching 50-100% | HS* House Side Shield | | | ⁶ 120, 240, and 277V Only ⁷ Not available with DM option [*] Not available with R5S, R5R, or DB optics | |

¹ DB optics only

² Not Available with DM, HL30, or HL50
³ Based on R2 distribution and 3000K CCT

³ Add length of arm + height of pole to determine power cord length

for other CCT please consult factory

⁴ Not available with HL30 or HL50

⁵ Requires stepdown transformer, 60 Hz only

⁶ 120, 240, and 277V Only

⁷ Not available with DM option

* Not available with R5S, R5R, or DB optics

Product Modifications

Please list modification requirements for review by factory:

Straight arm, power receptacle hidden in base - one circuit per pole

Approvals

Date:



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 In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supersede all other printed or electronic versions.

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 (Rev. 02/2020)
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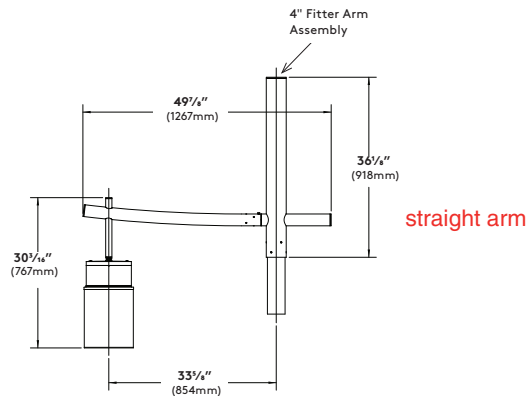
ARUP

Project Number: 271565
 Phone: 1 212 896 3000

Lanova LED

selux

Type:
ALP02
Page 2 of 8



Net Weight (19.5 lbs)
EPA = 0.68 ft²

Specifications

Luminaire Housing

Die cast aluminum housing made from low copper marine grade aluminum.

Gasketing

(not shown) Continuous UV resistant silicone gasket provides weatherproofing, dust and insect control at all fixture connections.

LED Array

(not shown) High Flux LEDs mounted to metal core PCB and attached to aluminum heat sink for maximum LED performance and life. CCT tolerance within a 3 step bin and provided with a minimum CRI of 80. LED light engine has a reported lumen maintenance of 93% at 50,000 hours. L70 calculated greater than 100,000 hours.

LED Optics

Clear half frosted, or tapered UV stabilized acrylic outer cylinder creates the optical chamber. Technical Optics (R1, R2, R3, R4, R5S and R5R) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Diffuser Bowl (DB) option made of highly diffuse UV stabilized acrylic hides LED source and provides a pleasant/soft light quality.

LED Driver

LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, meets the requirements of IP65 and includes a 5 Year warranty.

Surge Protector

(not shown) Independent surge protector device designed to protect luminaire from electrical surge up to 20kA.

Power Cord

(not shown) UV resistant black SJ power cord pre-installed at factory. Please specify power cord length available in 1' increments from 5' - 30'.

Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty -

Selux offers a 5 Year Limited Warranty to the original purchaser that the Lanova LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

Listings and Ratings: Luminaire tested to IP65 and LM-79 standards. LEDs tested to LM-80 standards.

Luminaire suitable for ambient temperatures from 40°C (104°F) maximum to -40°C (-40°F) minimum.

NRTL Listed (i.e. UL, CSA)

Visit selux.us for our LED End of Life recycling policy.

Lanova LED

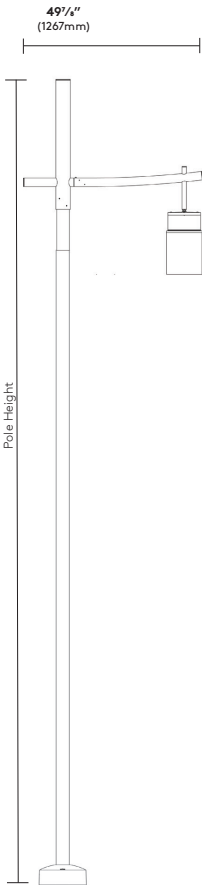
Mounting

selux

Type:
ALP02
Page 3 of 8

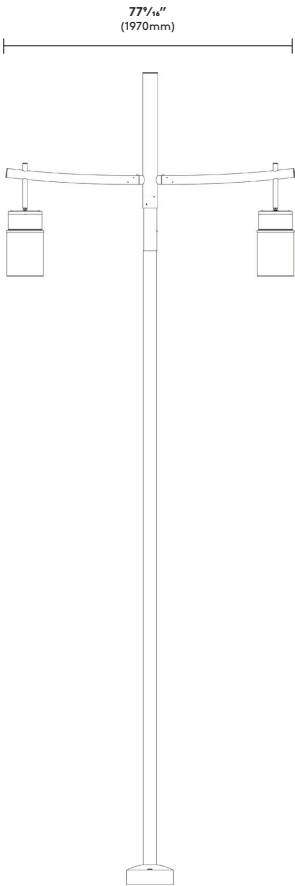
1 - Single Arm

EPA = 1.57ft²
Weight = 32lbs. (15kg)



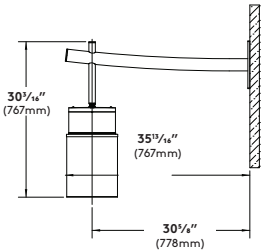
2 - Double Arm

EPA = 1.3ft²
Weight = 55lbs. (25kg)



W - Wall Mount Arm

EPA = N/A
Weight = 24lbs. (11kg)

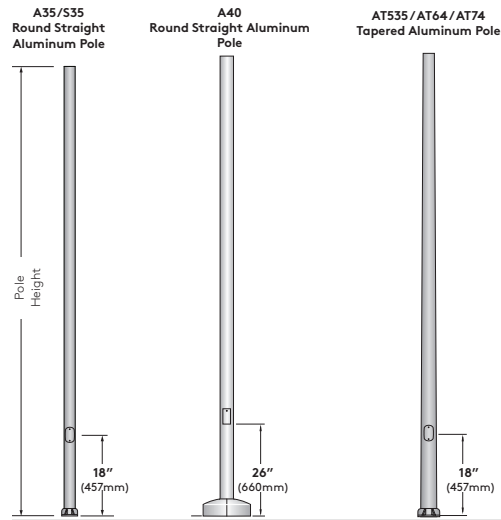


ARUP
Project Number: 271565
Phone: 1 212 896 3000

Lanova LED

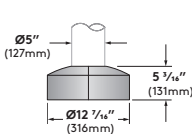
Pole Information

Refer to pole specification sheets for construction details, anchorage information and additional options.

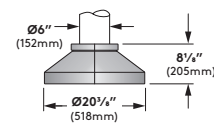


Optional Base Covers for Poles
Die cast aluminum.

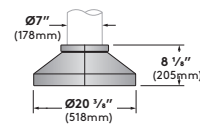
BC3 Optional Base Cover (AT535)
Die cast aluminum, two-piece field installable base cover.



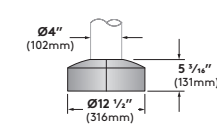
BC9 Optional Base Cover (AT64)
Die cast aluminum, two-piece field installable base cover.



BC10 Optional Base Cover (AT74)
Die cast aluminum, two-piece field installable base cover.



BC13 Optional Base Cover (A40)
Die cast aluminum, two-piece field installable base cover.



| Pole Data Chart | | Bolt Circle | | | | | | | | | | | Height | Finish | Options |
|--|---------|-------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------------------|---|
| Pole Series | | | 90 mph | 100 mph | 110 mph | 120 mph | 130 mph | 140 mph | 150 mph | 160 mph | 170 mph | 180 mph | | | |
| A35 3 1/2" Round Straight Aluminum Pole | 7 1/2" | 4.8 | 3.5 | 2.6 | 1.8 | 1.3 | 0.9 | 0.7 | 0.6 | - | - | - | 12 12ft | WH White | BC3 Decorative Cast Aluminium Base Cover (AT535) |
| A40 4" Round Straight Aluminum Pole | 7 1/2" | 9.3 | 7.2 | 5.6 | 4.5 | 3.7 | 3.1 | 2.7 | 2.3 | 2.0 | 1.7 | - | | BK Black | BC9 Decorative Cast Aluminium Base Cover (AT64) |
| AT535 5" to 3 1/2" Round Tapered Aluminum Pole | 8 1/2" | 13.4 | 10.5 | 8.4 | 6.9 | 5.8 | 4.9 | 4.2 | 3.6 | 3.2 | 2.8 | - | | BL Semi-Matte Black | BC10 Decorative Cast Aluminium Base Cover (AT74) |
| AT64 6" to 4" Round Tapered Aluminum Pole | 9 1/2" | 20.3 | 16.1 | 13.1 | 10.9 | 9.2 | 7.9 | 6.8 | 5.9 | 5.2 | 4.5 | - | 14 14ft | BZ Bronze | BC13 Decorative Cast Aluminium Base Cover (A40) |
| A35 3 1/2" Round Straight Aluminum Pole | 7 1/2" | 3.5 | 2.4 | 1.6 | 1.0 | 0.5 | - | - | - | - | - | - | | SV Silver | T35 Supplied with 3/2" diameter tenon, 4/2" high (use for A40, AT64, AT74 only) |
| A40 4" Round straight Aluminum Pole | 7 1/2" | 10.3 | 7.9 | 6.1 | 4.9 | 4.0 | 3.4 | 2.9 | 2.5 | 2.1 | 1.8 | - | | SP Specify Premium Color | REC1 GFCI Receptacle with weather-proof cover |
| AT535 5" to 3 1/2" Round Tapered Aluminum Pole | 8 1/2" | 11.2 | 8.7 | 6.9 | 5.5 | 4.6 | 3.8 | 3.3 | 2.8 | 2.4 | 2.1 | - | 16 16ft | | REC2 GFCI Receptacle with weather-proof padlockable in-use cover |
| AT64 6" to 4" Round tapered Aluminum Pole | 9 1/2" | 17.2 | 13.6 | 11.0 | 9.1 | 7.6 | 6.5 | 5.6 | 4.8 | 4.2 | 3.7 | - | | | REC3 USB and Duplex Receptacle with weather-proof cover |
| A35 3 1/2" Round Straight Aluminum Pole | 7 1/2" | 2.1 | 1.2 | 0.6 | - | - | - | - | - | - | - | - | | | REC4 USB and Duplex Receptacle with weather-proof padlockable in-use cover |
| A40 4" Round straight Aluminum Pole | 7 1/2" | 8.3 | 6.2 | 4.7 | 3.6 | 3.0 | 2.5 | 2.1 | 1.7 | 1.5 | 1.2 | - | 18 18ft | | Motion Sensor w/ Optional Photocell |
| AT535 5" to 3 1/2" Round tapered Aluminum Pole | 8 1/2" | 9.1 | 6.9 | 5.4 | 4.3 | 3.4 | 2.9 | 2.4 | 2.0 | 1.7 | 1.5 | - | | | |
| AT64 6" to 4" Round tapered Aluminum Pole | 9 1/2" | 14.3 | 11.2 | 9.0 | 7.4 | 6.2 | 5.2 | 4.4 | 3.8 | 3.3 | 2.9 | - | | | |
| A40 4" Round straight Aluminum Pole | 7 1/2" | 6.6 | 4.8 | 3.5 | 2.6 | 2.1 | 1.7 | 1.4 | 1.1 | 0.9 | 0.7 | - | | | |
| AT535 5" to 3 1/2" Round tapered Aluminum Pole | 8 1/2" | 9.2 | 7.0 | 5.4 | 4.2 | 3.4 | 2.8 | 2.3 | 2.0 | 1.7 | 1.4 | - | | | |
| AT64 6" to 4" Round tapered Aluminum Pole | 9 1/2" | 11.9 | 9.2 | 7.3 | 6.0 | 4.9 | 4.2 | 3.5 | 3.0 | 2.6 | 2.2 | - | | | |
| AT74 7" to 4" Round tapered Aluminum Pole | 10 1/2" | 17.5 | 13.8 | 11.2 | 9.2 | 7.7 | 6.5 | 5.6 | 4.8 | 4.1 | 3.5 | - | | | |

Allowable EPA calculated according to AASHTO 1994 and include allowance for 1/3 gust factor. See Mounting Configuration pages for fixture arm weight and EPA values.

Type:
ALP02
Page 4 of 8

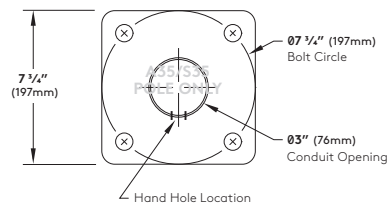
Lanova LED

Pole Information

Refer to pole specification sheets for construction details, anchorage information and additional options.

Bolt Circle for A35 & S35

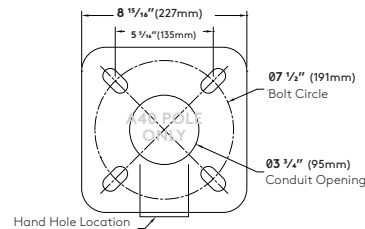
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



Note: Adequate drainage must be provided in concrete foundation.

Bolt Circle for A40

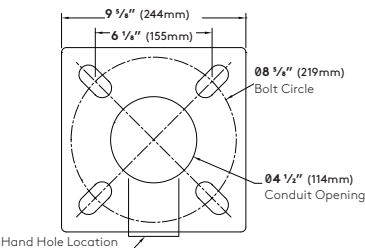
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



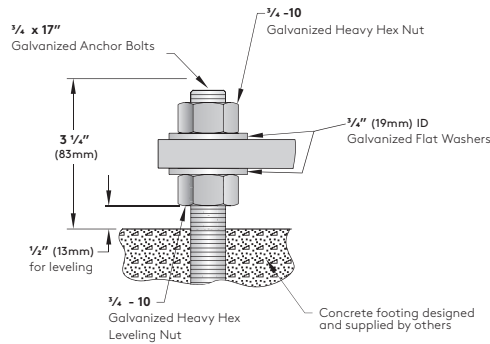
Note: Adequate drainage must be provided in concrete foundation.

Bolt Circle for AT535

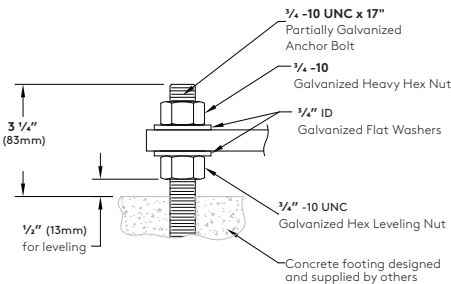
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



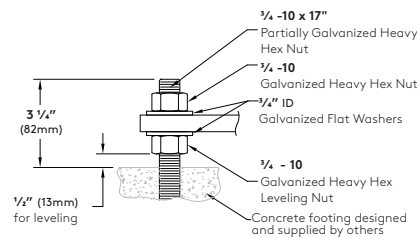
Anchor Bolt Detail for A35 & S35



Anchor Bolt Detail for A40



Anchor Bolt Detail for AT535



selux

Type:
ALP02
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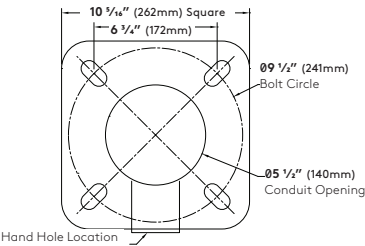
Lanova LED

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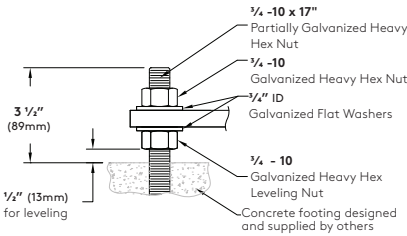
Type:
ALP02
Page 6 of 8

Pole Information
Refer to pole specification sheets for construction details, anchorage information and additional options.

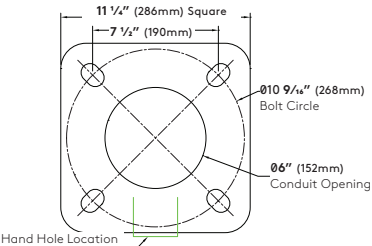
Bolt Circle for AT64
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



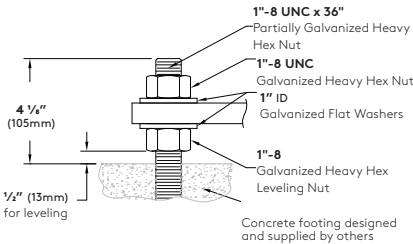
Anchor Bolt Detail for AT64



Bolt Circle for AT74
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



Anchor Bolt Detail for AT74



ARUP
Project Number: 271565
Phone: 1 212 896 3000

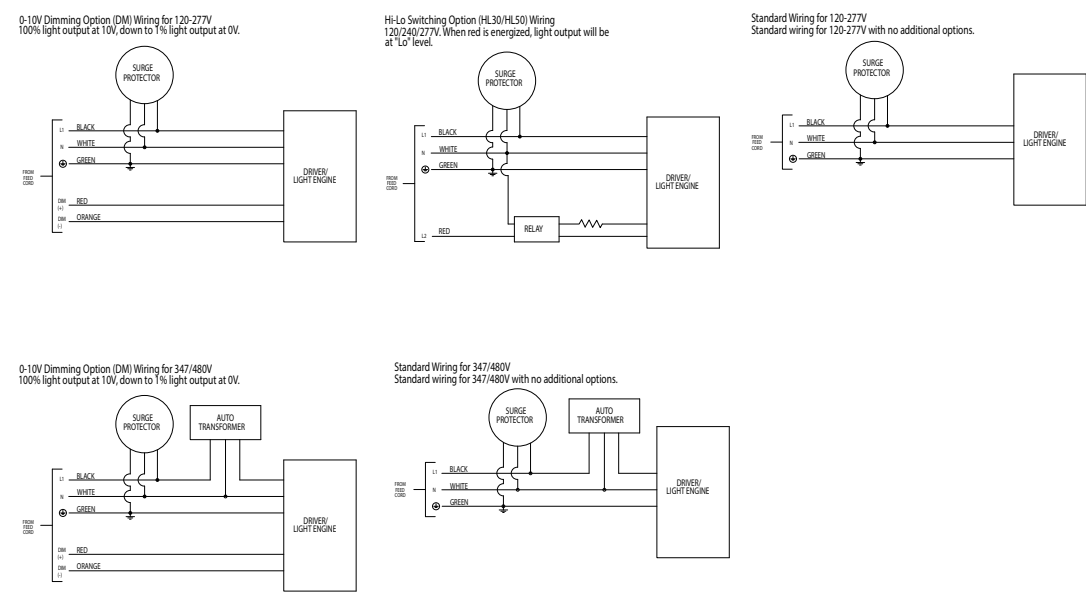
Lanova LED

selux

Type:
ALP02
Page 7 of 8

| ELECTRICAL SPECIFICATIONS | | | | | | | | | |
|--------------------------------------|--------------------------|----------------------------------|--------------------|--------------------------|----------------------------------|--------------------|--------------------------|----------------------------------|--------------------|
| CCT | 3000K/4000K | | | | | | | | |
| CYLINDER | CL Cylinder Standard | | | | | | FL Cylinder Standard | | |
| OPTICS | R1, R2, R3, and R4 | | | R5R and R5S | | | DB | | |
| Light Engine/ Electrical Specs | Delivered Lumens (lm) | Wattage (W) 120-277 / 347-480 | Efficacy (lm/W) | Delivered Lumens (lm) | Wattage (W) 120-277 / 347-480 | Efficacy (lm/W) | Delivered Lumens (lm) | Wattage (W) 120-277 / 347-480 | Efficacy (lm/W) |
| 5G150 | 1316 | 14.2 / 18 | 92.9 | 1488 | 14.2 / 18 | 105.0 | 1327 | 14.2 / 18 | 93.5 |
| 5G250 | 2193 | 23.6 / 27 | 92.9 | 2480 | 23.6 / 27 | 105.0 | 2211 | 23.6 / 27 | 93.5 |
| 5G350 | 3070 | 33.1 / 35 | 92.9 | 3471 | 33.1 / 35 | 105.0 | 3096 | 33.1 / 35 | 93.5 |
| 5G450 | 3948 | 42.5 / 44 | 92.9 | 4463 | 42.5 / 44 | 105.0 | 3981 | 42.5 / 44 | 93.5 |

Wiring



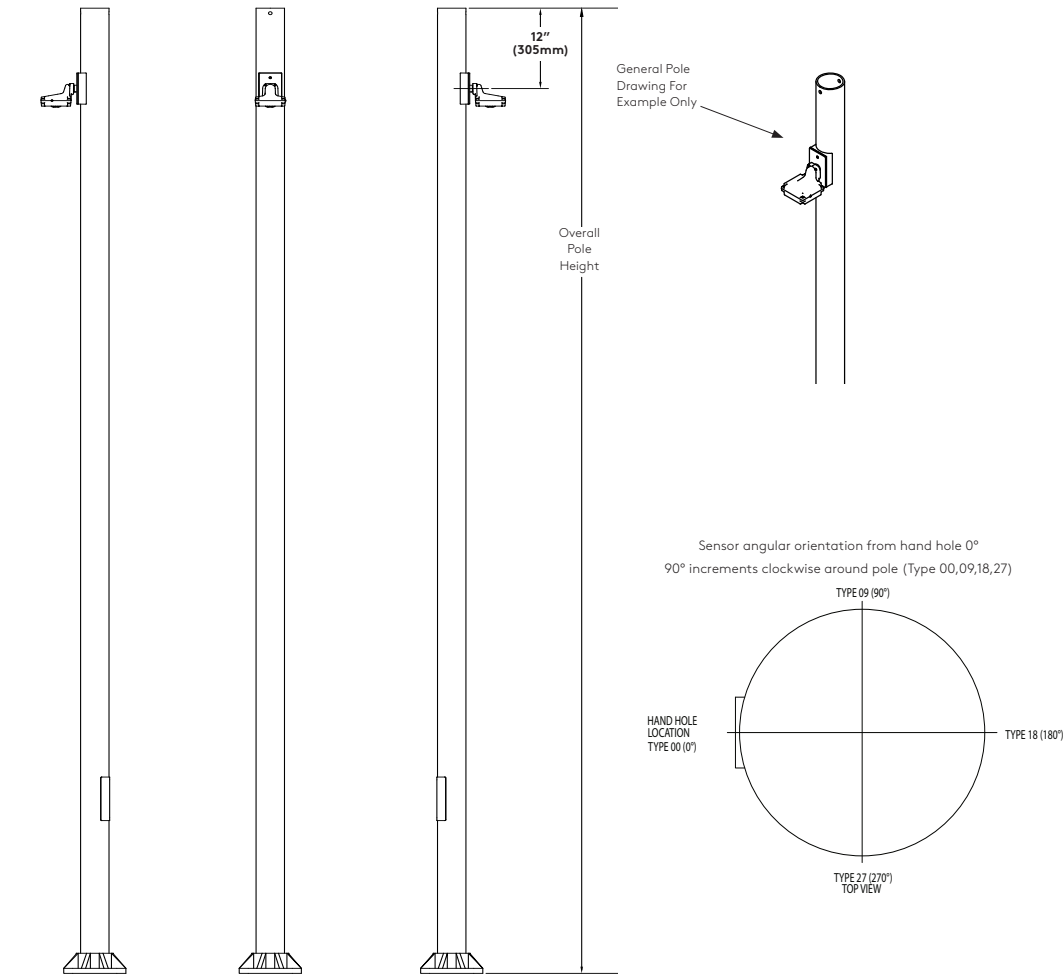
Lanova LED

Pole Motion Sensor

The Selux outdoor rated sensor incorporates Passive Infrared (PIR) technology for motion sensing and also includes a built in photocell. Designed to mount directly through a 1/2" KO in a single gang faceplate on pole/column, the SBO utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size while preventing false tripping from the environment.

| Series | Optics | Hand Hole Orientation | Program | Color | Photocell Feature | Voltage |
|---------------------|---------------------------------|-----------------------|-------------|-----------|-------------------|---------|
| MS Motion Sensor | 1 270° coverage - Single Sensor | 00 | D0 (0V=0%) | WH White | Y Yes | UNV |
| | | 09 | D1 (1V=10%) | BK Black | N No | 347 |
| | | 18 | D3 (3V=30%) | BZ Bronze | | 480 |
| | | 27 | D5 (5V=50%) | | | |

NOTE: Motion sensor comes programmed at 30% dimmed level with a 5 min. delay as default. All programming required after shipping by others.



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(Rev. 02/2020)
LAL_ss_v1.2

selux

Type:
ALP02
Page 8 of 8

Manufacturer: Selux : Lenova LED Pole Mount
Description: 14ft Pole Light R5R Type Distribution

Fixture Wattage: 24 W
Lumen Output: 2477 lumen
Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: LAL-R5R-X-CL-5G250-XX-30-SP-120-DM

Date: _____ Customer: _____
 Project: _____
 Type: _____ Qty: _____

selux

Type:

ALP03

Page 1 of 6

**Lanova LED
Pole Mount**



straight arm

Order Code: LAL - - - - -

| LAL | | Pole Order Code: | | | | |
|-------------------|-----------------------------------|--|--|-------------------------------|--|-----------------------------|
| Series | LAL | Series | Height | Finish | Options | |
| Lanova LED | | | | | | |
| Optics | R1 Type I Distribution | R2 Type II Distribution | R3 Type III Distribution | R4 Type IV Distribution | R5S Type V Square | R5R Type V Round |
| Mounting | 1 Single | 2 Double | W Wall | DB Diffuse Bowl | | |
| Cylinder | CL Clear long | FL ¹ 1/2 Frosted Long | CT Clear Tapered | ¹ DB optics only | | |
| Light Engine | 5G150 ² 1556lm, 15W | 5G250 ² 2477lm, 24W | 5G350 3468lm, 33W | 5G450 4459lm, 42W | ² Not Available with DM, HL30, or HL50 ³ Based on R2 distribution and 3000K CCT | |
| Power Cord Length | 8 8' | 10 10' | 12 12' | 14 14' | 16 16' | 18 18' |
| CCT | 30 3000K | 40 4000K | ³ Add length of arm + height of pole to determine power cord length | | | |
| Finish | WH White | BK Black | BL Semi-Matte Black | BZ Bronze | SV Silver | SP Specify Premium Color |
| Voltage | 120 | 208 | 240 | 277 | 347 ^{4,5} | 480 ^{4,5} |
| Options | DM Dimming (0-10V) | HL30 ^{6,7} Hi-Lo Switching 30-100% | HL50 ^{6,7} Hi-Lo Switching 50-100% | HS* House Side Shield | ⁶ 120, 240, and 277V Only ⁷ Not available with DM option * Not available with R5S, R5R, or DB optics | |

Product Modifications

Please list modification requirements for review by factory:

Straight arm, power receptacle hidden in base - one circuit per pole

Approvals



Date:



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 In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supersede all other printed or electronic versions.

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 (Rev. 02/2020)
 LAL_ss_v1.2

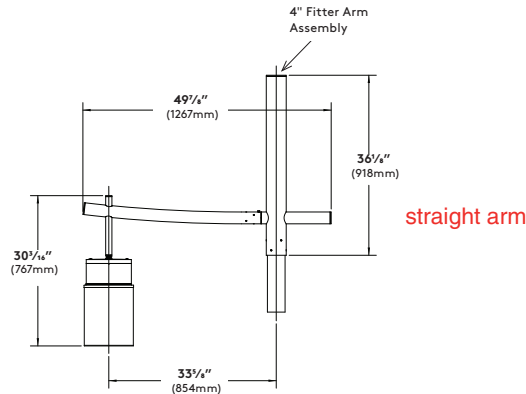
ARUP

Project Number: 271565
 Phone: 1 212 896 3000

Lanova LED

selux

Type:
ALP03
Page 2 of 6



Net Weight (19.5 lbs)
EPA = 0.68 ft²

Specifications

Luminaire Housing

Die cast aluminum housing made from low copper marine grade aluminum.

Gasketing

(not shown) Continuous UV resistant silicone gasket provides weatherproofing, dust and insect control at all fixture connections.

LED Array

(not shown) High Flux LEDs mounted to metal core PCB and attached to aluminum heat sink for maximum LED performance and life. CCT tolerance within a 3 step bin and provided with a minimum CRI of 80. LED light engine has a reported lumen maintenance of 93% at 50,000 hours. L70 calculated greater than 100,000 hours.

LED Optics

Clear half frosted, or tapered UV stabilized acrylic outer cylinder creates the optical chamber. Technical Optics (R1, R2, R3, R4, R5S and R5R) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Diffuser Bowl (DB) option made of highly diffuse UV stabilized acrylic hides LED source and provides a pleasant/soft light quality.

LED Driver

LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, meets the requirements of IP65 and includes a 5 Year warranty.

Surge Protector

(not shown) Independent surge protector device designed to protect luminaire from electrical surge up to 20kA.

Power Cord

(not shown) UV resistant black SJ power cord pre-installed at factory. Please specify power cord length available in 1' increments from 5' - 30'.

Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty -

Selux offers a 5 Year Limited Warranty to the original purchaser that the Lanova LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

Listings and Ratings: Luminaire tested to IP65 and LM-79 standards. LEDs tested to LM-80 standards.

Luminaire suitable for ambient temperatures from 40°C (104°F) maximum to -40°C (-40°F) minimum.

NRTL Listed (i.e. UL, CSA)

Visit selux.us for our LED End of Life recycling policy.

Lanova LED

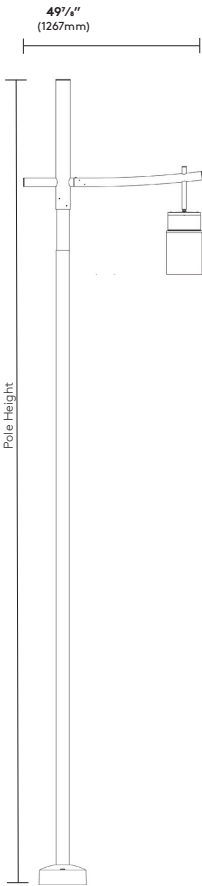
Mounting

selux

Type:
ALP03
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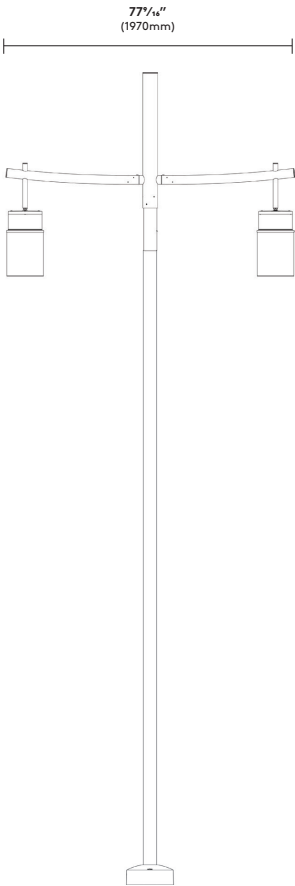
1 - Single Arm

EPA = 1.57ft²
Weight = 32lbs. (15kg)



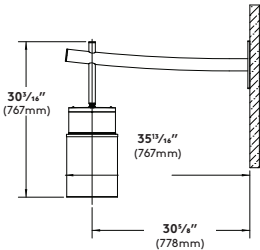
2 - Double Arm

EPA = 1.3ft²
Weight = 55lbs. (25kg)



W - Wall Mount Arm

EPA = N/A
Weight = 24lbs. (11kg)

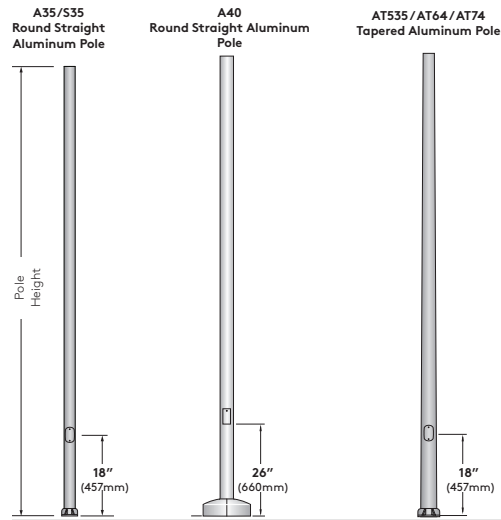


ARUP
Project Number: 271565
Phone: 1 212 896 3000

Lanova LED

Pole Information

Refer to pole specification sheets for construction details, anchorage information and additional options.



| Pole Data Chart | | Bolt Circle | | | | | | | | | | | Height | Finish | Options |
|--|---------|-------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------------------|---|
| Pole Series | | | 90 mph | 100 mph | 110 mph | 120 mph | 130 mph | 140 mph | 150 mph | 160 mph | 170 mph | 180 mph | | | |
| A35 3 1/2" Round Straight Aluminum Pole | 7 1/2" | 4.8 | 3.5 | 2.6 | 1.8 | 1.3 | 0.9 | 0.7 | 0.6 | - | - | - | 12 12ft | WH White | BC3 Decorative Cast Aluminium Base Cover (AT535) |
| A40 4" Round Straight Aluminum Pole | 7 1/2" | 9.3 | 7.2 | 5.6 | 4.5 | 3.7 | 3.1 | 2.7 | 2.3 | 2.0 | 1.7 | - | | BK Black | BC9 Decorative Cast Aluminium Base Cover (AT64) |
| AT535 5" to 3 1/2" Round Tapered Aluminum Pole | 8 1/4" | 13.4 | 10.5 | 8.4 | 6.9 | 5.8 | 4.9 | 4.2 | 3.6 | 3.2 | 2.8 | - | | BL Semi-Matte Black | BC10 Decorative Cast Aluminium Base Cover (AT74) |
| AT64 6" to 4" Round Tapered Aluminum Pole | 9 1/2" | 20.3 | 16.1 | 13.1 | 10.9 | 9.2 | 7.9 | 6.8 | 5.9 | 5.2 | 4.5 | - | 14 14ft | BZ Bronze | BC13 Decorative Cast Aluminium Base Cover (A40) |
| A35 3 1/2" Round Straight Aluminum Pole | 7 1/2" | 3.5 | 2.4 | 1.6 | 1.0 | 0.5 | - | - | - | - | - | - | | SV Silver | T35 Supplied with 3/2" diameter tenon, 4/2" high (use for A40, AT64, AT74 only) |
| A40 4" Round straight Aluminum Pole | 7 1/2" | 10.3 | 7.9 | 6.1 | 4.9 | 4.0 | 3.4 | 2.9 | 2.5 | 2.1 | 1.8 | - | | SP Specify Premium Color | REC1 GFCI Receptacle with weather-proof cover |
| AT535 5" to 3 1/2" Round Tapered Aluminum Pole | 8 1/4" | 11.2 | 8.7 | 6.9 | 5.5 | 4.6 | 3.8 | 3.3 | 2.8 | 2.4 | 2.1 | - | 16 16ft | | REC2 GFCI Receptacle with weather-proof padlockable in-use cover |
| AT64 6" to 4" Round tapered Aluminum Pole | 9 1/2" | 17.2 | 13.6 | 11.0 | 9.1 | 7.6 | 6.5 | 5.6 | 4.8 | 4.2 | 3.7 | - | | | REC3 USB and Duplex Receptacle with weather-proof cover |
| A35 3 1/2" Round Straight Aluminum Pole | 7 1/2" | 2.1 | 1.2 | 0.6 | - | - | - | - | - | - | - | - | | | REC4 USB and Duplex Receptacle with weather-proof padlockable in-use cover |
| A40 4" Round straight Aluminum Pole | 7 1/2" | 8.3 | 6.2 | 4.7 | 3.6 | 3.0 | 2.5 | 2.1 | 1.7 | 1.5 | 1.2 | - | | | Motion Sensor w/ Optional Photocell |
| AT535 5" to 3 1/2" Round tapered Aluminum Pole | 8 1/4" | 9.1 | 6.9 | 5.4 | 4.3 | 3.4 | 2.9 | 2.4 | 2.0 | 1.7 | 1.5 | - | | | |
| AT64 6" to 4" Round tapered Aluminum Pole | 9 1/2" | 14.3 | 11.2 | 9.0 | 7.4 | 6.2 | 5.2 | 4.4 | 3.8 | 3.3 | 2.9 | - | | | |
| A40 4" Round straight Aluminum Pole | 7 1/2" | 6.6 | 4.8 | 3.5 | 2.6 | 2.1 | 1.7 | 1.4 | 1.1 | 0.9 | 0.7 | - | 18 18ft | | |
| AT535 5" to 3 1/2" Round tapered Aluminum Pole | 8 1/4" | 9.2 | 7.0 | 5.4 | 4.2 | 3.4 | 2.8 | 2.3 | 2.0 | 1.7 | 1.4 | - | | | |
| AT64 6" to 4" Round tapered Aluminum Pole | 9 1/2" | 11.9 | 9.2 | 7.3 | 6.0 | 4.9 | 4.2 | 3.5 | 3.0 | 2.6 | 2.2 | - | | | |
| AT74 7" to 4" Round tapered Aluminum Pole | 10 1/4" | 17.5 | 13.8 | 11.2 | 9.2 | 7.7 | 6.5 | 5.6 | 4.8 | 4.1 | 3.5 | - | | | |

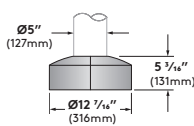
Allowable EPA calculated according to AASHTO 1994 and include allowance for 1/3 gust factor. See Mounting Configuration pages for fixture arm weight and EPA values.

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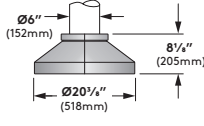
Type:
ALP03
Page 4 of 6

Optional Base Covers for Poles
Die cast aluminum.

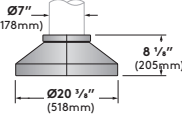
BC3 Optional Base Cover (AT535)
Die cast aluminum, two-piece field installable base cover.



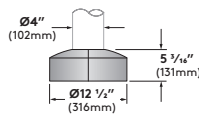
BC9 Optional Base Cover (AT64)
Die cast aluminum, two-piece field installable base cover.



BC10 Optional Base Cover (AT74)
Die cast aluminum, two-piece field installable base cover.



BC13 Optional Base Cover (A40)
Die cast aluminum, two-piece field installable base cover.



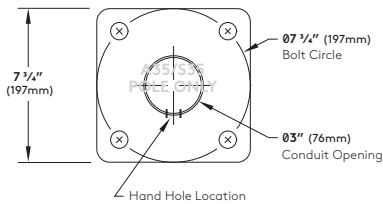
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Type:
ALP03
Page 5 of 6

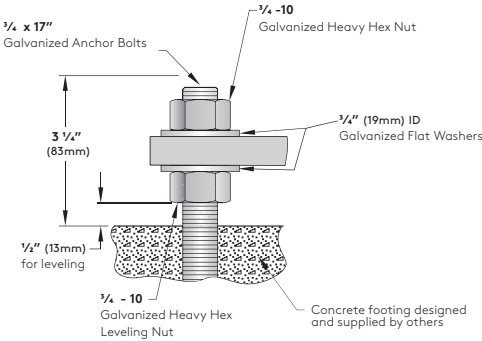
Pole Information
Refer to pole specification sheets for construction details, anchorage information and additional options.

Bolt Circle for A35 & S35
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown

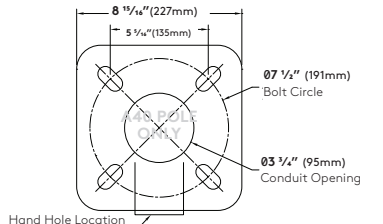


Note: Adequate drainage must be provided in concrete foundation.

Anchor Bolt Detail for A35 & S35

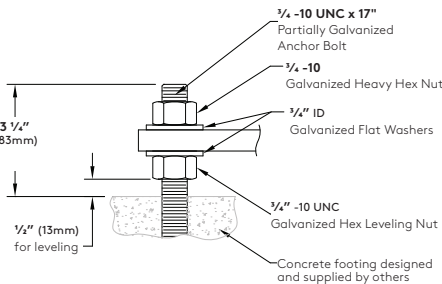


Bolt Circle for A40
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown

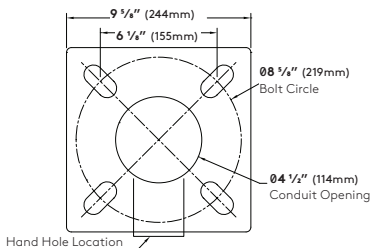


Note: Adequate drainage must be provided in concrete foundation.

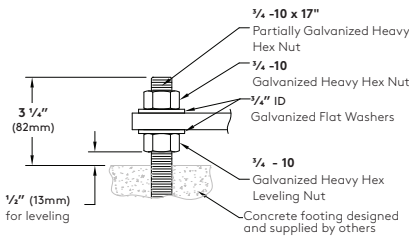
Anchor Bolt Detail for A40



Bolt Circle for AT535
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



Anchor Bolt Detail for AT535



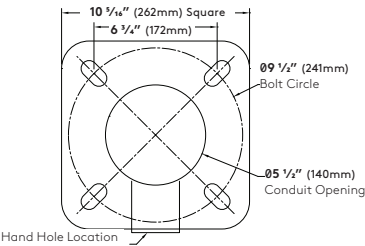
Lanova LED

selux

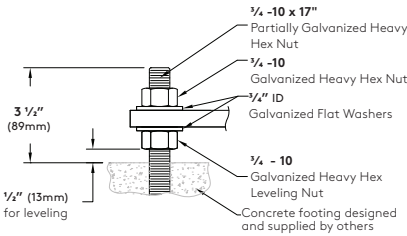
Type:
ALP03
Page 6 of 6

Pole Information
Refer to pole specification sheets for construction details, anchorage information and additional options.

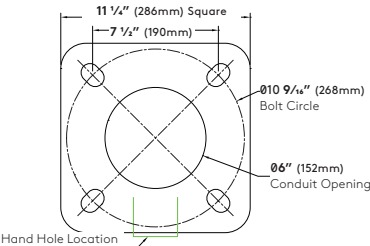
Bolt Circle for AT64
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



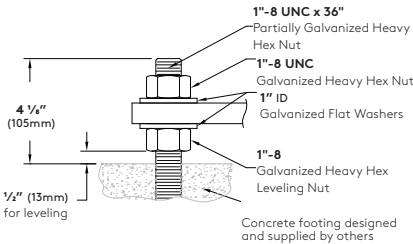
Anchor Bolt Detail for AT64



Bolt Circle for AT74
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



Anchor Bolt Detail for AT74



ARUP
Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: Selux : Lenova LED Pole Mount
Description: 12ft Pole Light R1 Type Distribution

Fixture Wattage: 24 W
Lumen Output: 2477 lumen
Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: LAL-R1-X-CL-5G250-XX-30-SP-120-DM

Date: _____ Customer: _____
 Project: _____
 Type: _____ Qty: _____

selux

Type:

ALP04

Page 1 of 8

Lanova LED Pole Mount



Order Code: LAL - - - - -

| LAL | | Pole Order Code: | | | | | |
|-------------------|-----------------------------------|--|--|-------------------------------|---|-----------------------------|--|
| Series | LAL Lanova LED | Series | Height | Finish | Options | | |
| Optics | R1 Type I Distribution | R2 Type II Distribution | R3 Type III Distribution | R4 Type IV Distribution | R5S Type V Square | R5R Type V Round | DB Diffuse Bowl |
| Mounting | 1 Single | 2 Double | W Wall | | | | |
| Cylinder | CL Clear long | FL ¹ 1/2 Frosted Long | CT Clear Tapered | ¹ DB optics only | | | |
| Light Engine | 5G150 ² 1556lm, 15W | 5G250 ² 2477lm, 24W | 5G350 3468lm, 33W | 5G450 4459lm, 42W | ² Not Available with DM, HL30, or HL50 [*] Based on R2 distribution and 3000K CCT | | |
| Power Cord Length | 8 8' | 10 10' | 12 12' | 14 14' | 16 16' | 18 18' | XX ³ XX' |
| | | ³ Add length of arm + height of pole to determine power cord length | | | | | |
| CCT | 30 3000K | 40 4000K | for other CCT please consult factory | | | | |
| Finish | WH White | BK Black | BL Semi-Matte Black | BZ Bronze | SV Silver | SP Specify Premium Color | |
| Voltage | 120 | 208 | 240 | 277 | 347 ^{4,5} | 480 ^{4,5} | ⁴ Not available with HL30 or HL50 ⁵ Requires stepdown transformer, 60 Hz only |
| Options | DM Dimming (0-10V) | HL30 ^{6,7} Hi-Lo Switching 30-100% | HL50 ^{6,7} Hi-Lo Switching 50-100% | HS* House Side Shield | ⁶ 120, 240, and 277V Only ⁷ Not available with DM option [*] Not available with R5S, R5R, or DB optics | | |

Product Modifications

Please list modification requirements for review by factory:

Straight arm, power receptacle hidden in base - one circuit per pole

Approvals



Date:



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 In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supersede all other printed or electronic versions.

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 (Rev. 02/2020)
 LAL_ss_v1.2

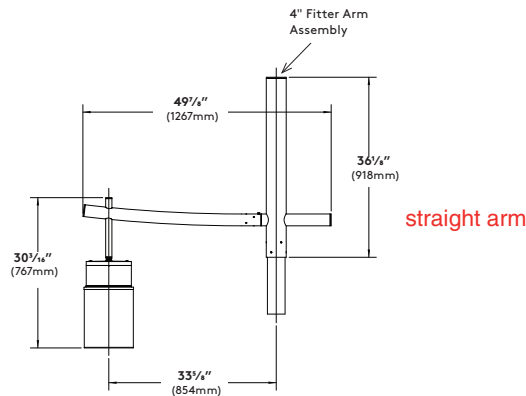
ARUP

Project Number: 271565
 Phone: 1 212 896 3000

Lanova LED

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Type:
ALP04
Page 2 of 8



Net Weight (19.5 lbs)
EPA = 0.68 ft²

Specifications

Luminaire Housing

Die cast aluminum housing made from low copper marine grade aluminum.

Gasketing

(not shown) Continuous UV resistant silicone gasket provides weatherproofing, dust and insect control at all fixture connections.

LED Array

(not shown) High Flux LEDs mounted to metal core PCB and attached to aluminum heat sink for maximum LED performance and life. CCT tolerance within a 3 step bin and provided with a minimum CRI of 80. LED light engine has a reported lumen maintenance of 93% at 50,000 hours. L70 calculated greater than 100,000 hours.

LED Optics

Clear half frosted, or tapered UV stabilized acrylic outer cylinder creates the optical chamber. Technical Optics (R1, R2, R3, R4, R5S and R5R) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Diffuser Bowl (DB) option made of highly diffuse UV stabilized acrylic hides LED source and provides a pleasant/soft light quality.

LED Driver

LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, meets the requirements of IP65 and includes a 5 Year warranty.

Surge Protector

(not shown) Independent surge protector device designed to protect luminaire from electrical surge up to 20kA.

Power Cord

(not shown) UV resistant black SJ power cord pre-installed at factory. Please specify power cord length available in 1' increments from 5' - 30'.

Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty -

Selux offers a 5 Year Limited Warranty to the original purchaser that the Lanova LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

Listings and Ratings: Luminaire tested to IP65 and LM-79 standards. LEDs tested to LM-80 standards.

Luminaire suitable for ambient temperatures from 40°C (104°F) maximum to -40°C (-40°F) minimum.

NRTL Listed (i.e. UL, CSA)

Visit selux.us for our LED End of Life recycling policy.

Lanova LED

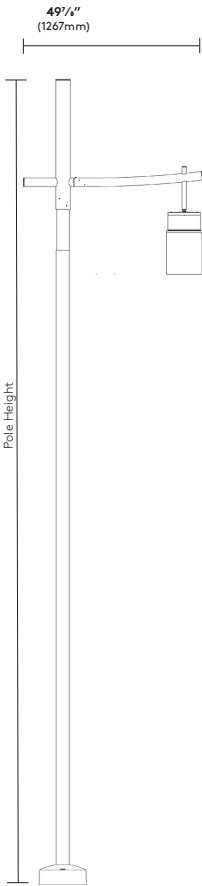
Mounting

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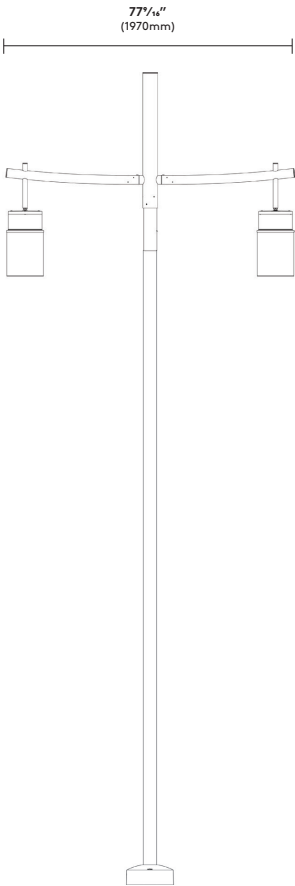
1 - Single Arm

EPA = 1.57ft²
Weight = 32lbs. (15kg)



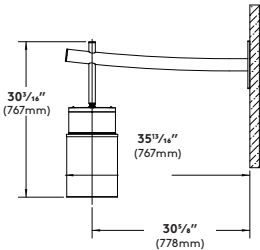
2 - Double Arm

EPA = 1.3ft²
Weight = 55lbs. (25kg)



W - Wall Mount Arm

EPA = N/A
Weight = 24lbs. (11kg)

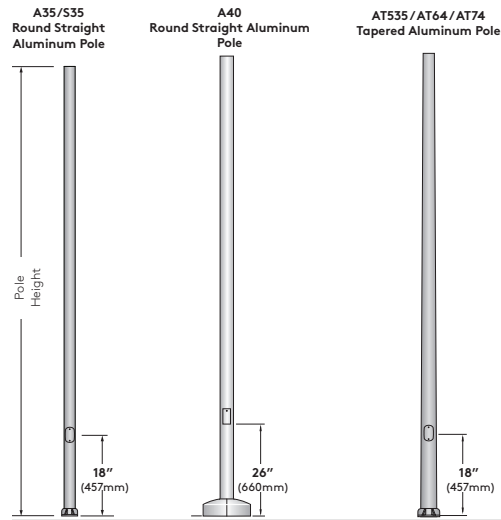


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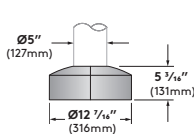
Pole Information

Refer to pole specification sheets for construction details, anchorage information and additional options.

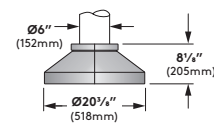


Optional Base Covers for Poles
Die cast aluminum.

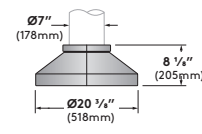
BC3 Optional Base Cover (AT535)
Die cast aluminum, two-piece field installable base cover.



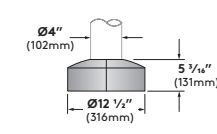
BC9 Optional Base Cover (AT64)
Die cast aluminum, two-piece field installable base cover.



BC10 Optional Base Cover (AT74)
Die cast aluminum, two-piece field installable base cover.



BC13 Optional Base Cover (A40)
Die cast aluminum, two-piece field installable base cover.



| Pole Data Chart Pole Series | Bolt Circle | | | | | | | | | | | Height | Finish | Options |
|--|----------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------|--------------------------|---|
| | | 90 mph | 100 mph | 110 mph | 120 mph | 130 mph | 140 mph | 150 mph | 160 mph | 170 mph | 180 mph | | | |
| A35 3/2" Round Straight Aluminum Pole | 7 1/2" | 4.8 | 3.5 | 2.6 | 1.8 | 1.3 | 0.9 | 0.7 | 0.6 | - | - | 12 12ft | WH White | BC3 Decorative Cast Aluminium Base Cover (AT535) |
| A40 4" Round Straight Aluminum Pole | 7 1/2" | 9.3 | 7.2 | 5.6 | 4.5 | 3.7 | 3.1 | 2.7 | 2.3 | 2.0 | 1.7 | | BK Black | BC9 Decorative Cast Aluminium Base Cover (AT64) |
| AT535 5" to 3 1/2" Round Tapered Aluminum Pole | 8 1/4" | 13.4 | 10.5 | 8.4 | 6.9 | 5.8 | 4.9 | 4.2 | 3.6 | 3.2 | 2.8 | | BL Semi-Matte Black | BC10 Decorative Cast Aluminium Base Cover (AT74) |
| AT64 6" to 4" Round Tapered Aluminum Pole | 9 1/2" | 20.3 | 16.1 | 13.1 | 10.9 | 9.2 | 7.9 | 6.8 | 5.9 | 5.2 | 4.5 | 14 14ft | BZ Bronze | BC13 Decorative Cast Aluminium Base Cover (A40) |
| A35 3/2" Round Straight Aluminum Pole | 7 1/2" | 3.5 | 2.4 | 1.6 | 1.0 | 0.5 | - | - | - | - | - | | SV Silver | T35 Supplied with 3/2" diameter tenon, 4/2" high (use for A40, AT64, AT74 only) |
| A40 4" Round straight Aluminum Pole | 7 1/2" | 10.3 | 7.9 | 6.1 | 4.9 | 4.0 | 3.4 | 2.9 | 2.5 | 2.1 | 1.8 | | SP Specify Premium Color | REC1 GFCI Receptacle with weather-proof cover |
| AT535 5" to 3 1/2" Round Tapered Aluminum Pole | 8 1/4" | 11.2 | 8.7 | 6.9 | 5.5 | 4.6 | 3.8 | 3.3 | 2.8 | 2.4 | 2.1 | 16 16ft | | REC2 GFCI Receptacle with weather-proof padlockable in-use cover |
| AT64 6" to 4" Round tapered Aluminum Pole | 9 1/2" | 17.2 | 13.6 | 11.0 | 9.1 | 7.6 | 6.5 | 5.6 | 4.8 | 4.2 | 3.7 | | | REC3 USB and Duplex Receptacle with weather-proof cover |
| A35 3/2" Round Straight Aluminum Pole | 7 1/2" | 2.1 | 1.2 | 0.6 | - | - | - | - | - | - | - | | | REC4 USB and Duplex Receptacle with weather-proof padlockable in-use cover |
| A40 4" Round straight Aluminum Pole | 7 1/2" | 8.3 | 6.2 | 4.7 | 3.6 | 3.0 | 2.5 | 2.1 | 1.7 | 1.5 | 1.2 | 18 18ft | | Motion Sensor w/ Optional Photocell |
| AT535 5" to 3 1/2" Round tapered Aluminum Pole | 8 1/4" | 9.1 | 6.9 | 5.4 | 4.3 | 3.4 | 2.9 | 2.4 | 2.0 | 1.7 | 1.5 | | | |
| AT64 6" to 4" Round tapered Aluminum Pole | 9 1/2" | 14.3 | 11.2 | 9.0 | 7.4 | 6.2 | 5.2 | 4.4 | 3.8 | 3.3 | 2.9 | | | |
| A40 4" Round straight Aluminum Pole | 7 1/2" | 6.6 | 4.8 | 3.5 | 2.6 | 2.1 | 1.7 | 1.4 | 1.1 | 0.9 | 0.7 | | | |
| AT535 5" to 3 1/2" Round tapered Aluminum Pole | 8 1/4" | 9.2 | 7.0 | 5.4 | 4.2 | 3.4 | 2.8 | 2.3 | 2.0 | 1.7 | 1.4 | | | |
| AT64 6" to 4" Round tapered Aluminum Pole | 9 1/2" | 11.9 | 9.2 | 7.3 | 6.0 | 4.9 | 4.2 | 3.5 | 3.0 | 2.6 | 2.2 | | | |
| AT74 7" to 4" Round tapered Aluminum Pole | 10 1/4" | 17.5 | 13.8 | 11.2 | 9.2 | 7.7 | 6.5 | 5.6 | 4.8 | 4.1 | 3.5 | | | |

Allowable EPA calculated according to AASHTO 1994 and include allowance for 1/3 gust factor. See Mounting Configuration pages for fixture arm weight and EPA values.

Type:
ALP04
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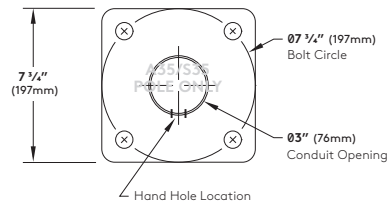
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Type:
ALP04
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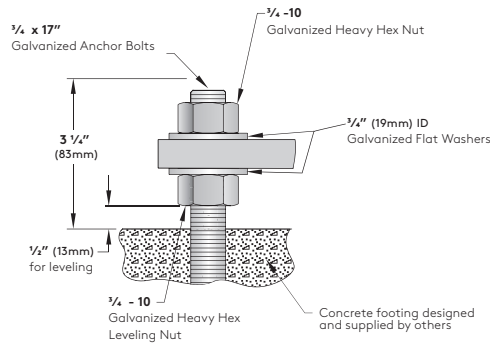
Pole Information
Refer to pole specification sheets for construction details, anchorage information and additional options.

Bolt Circle for A35 & S35
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown

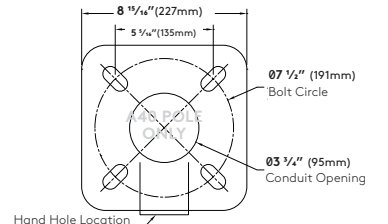


Note: Adequate drainage must be provided in concrete foundation.

Anchor Bolt Detail for A35 & S35

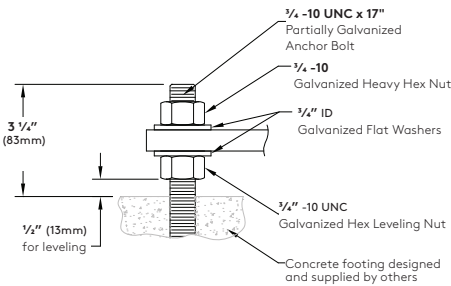


Bolt Circle for A40
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown

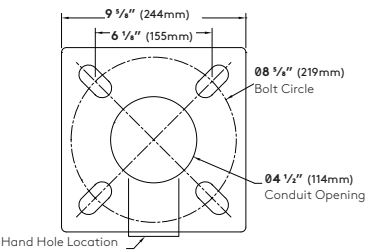


Note: Adequate drainage must be provided in concrete foundation.

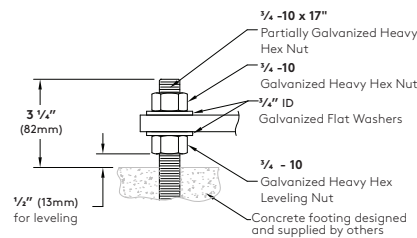
Anchor Bolt Detail for A40



Bolt Circle for AT535
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



Anchor Bolt Detail for AT535



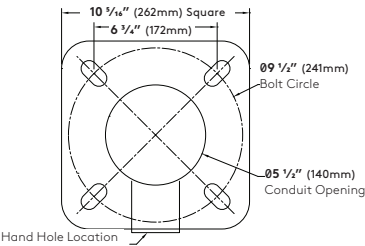
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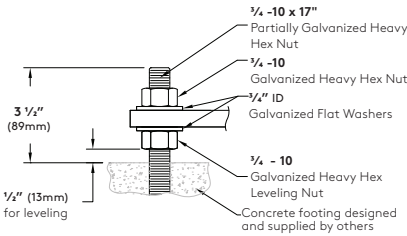
Type:
ALP04
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Pole Information
Refer to pole specification sheets for construction details, anchorage information and additional options.

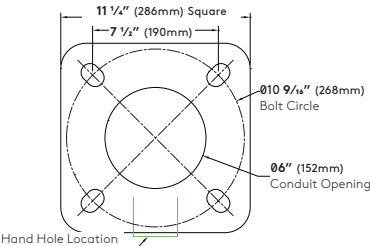
Bolt Circle for AT64
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



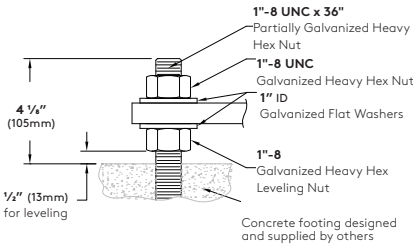
Anchor Bolt Detail for AT64



Bolt Circle for AT74
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



Anchor Bolt Detail for AT74



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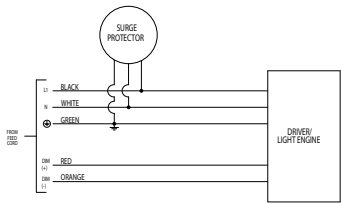
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Type:
ALP04
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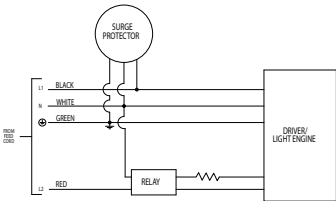
| ELECTRICAL SPECIFICATIONS | | | | | | | | | |
|--------------------------------------|--------------------------|----------------------------------|--------------------|--------------------------|----------------------------------|--------------------|--------------------------|----------------------------------|--------------------|
| CCT | 3000K/4000K | | | | | | | | |
| CYLINDER | CL Cylinder Standard | | | | | | FL Cylinder Standard | | |
| OPTICS | R1, R2, R3, and R4 | | | R5R and R5S | | | DB | | |
| Light Engine/ Electrical Specs | Delivered Lumens (lm) | Wattage (W) 120-277 / 347-480 | Efficacy (lm/W) | Delivered Lumens (lm) | Wattage (W) 120-277 / 347-480 | Efficacy (lm/W) | Delivered Lumens (lm) | Wattage (W) 120-277 / 347-480 | Efficacy (lm/W) |
| 5G150 | 1316 | 14.2 / 18 | 92.9 | 1488 | 14.2 / 18 | 105.0 | 1327 | 14.2 / 18 | 93.5 |
| 5G250 | 2193 | 23.6 / 27 | 92.9 | 2480 | 23.6 / 27 | 105.0 | 2211 | 23.6 / 27 | 93.5 |
| 5G350 | 3070 | 33.1 / 35 | 92.9 | 3471 | 33.1 / 35 | 105.0 | 3096 | 33.1 / 35 | 93.5 |
| 5G450 | 3948 | 42.5 / 44 | 92.9 | 4463 | 42.5 / 44 | 105.0 | 3981 | 42.5 / 44 | 93.5 |

Wiring

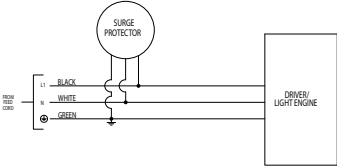
0-10V Dimming Option (DM) Wiring for 120-277V
100% light output at 10V, down to 1% light output at 0V.



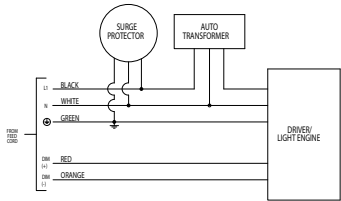
Hi-Lo Switching Option (HL30/HL50) Wiring
120/240/277V. When red is energized, light output will be
at 'Lo' level.



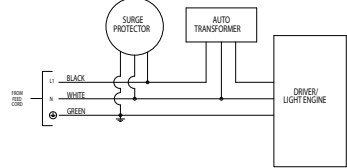
Standard Wiring for 120-277V
Standard wiring for 120-277V with no additional options.



0-10V Dimming Option (DM) Wiring for 347/480V
100% light output at 10V, down to 1% light output at 0V.



Standard Wiring for 347/480V
Standard wiring for 347/480V with no additional options.



Lanova LED

Pole Motion Sensor

The Selux outdoor rated sensor incorporates Passive Infrared (PIR) technology for motion sensing and also includes a built in photocell. Designed to mount directly through a 1/2" KO in a single gang faceplate on pole/column, the SBO utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size while preventing false tripping from the environment.

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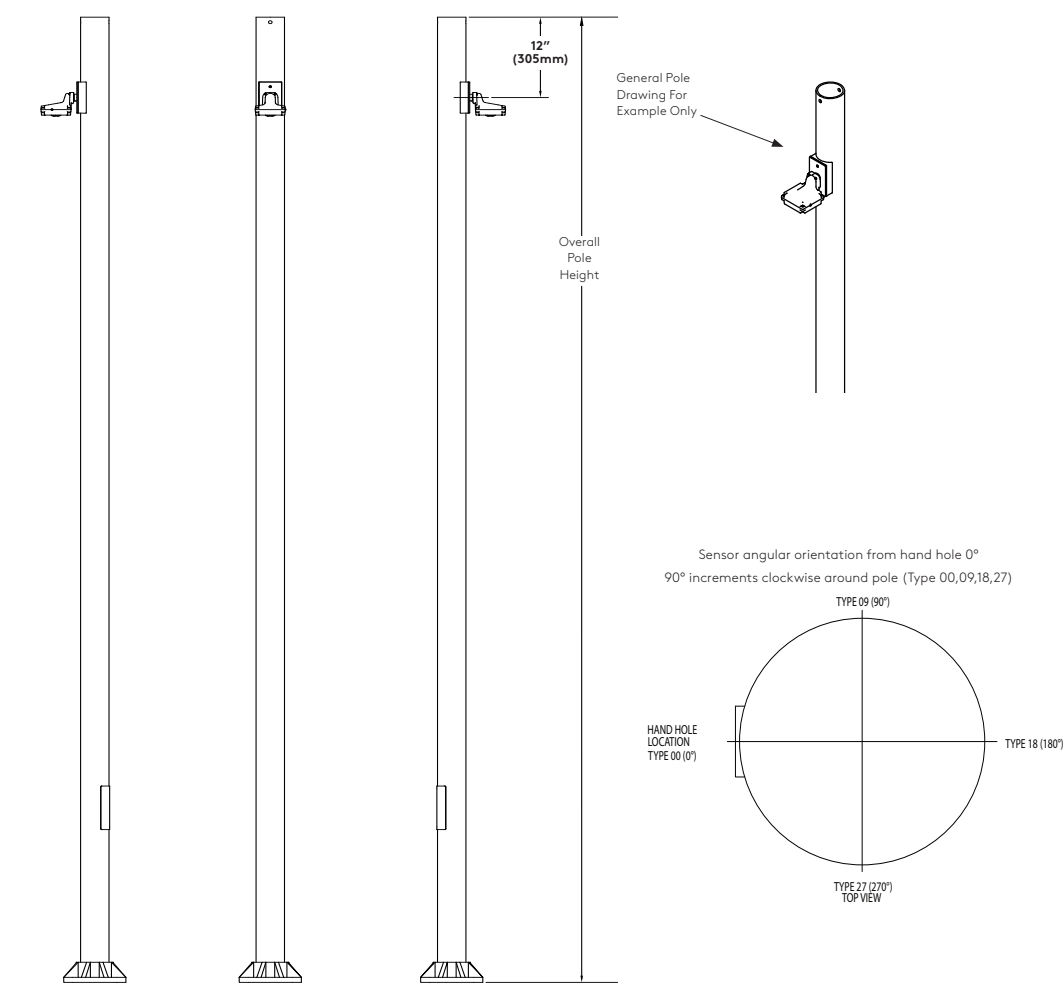
Type:

ALP04

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| Series | Optics | Hand Hole Orientation | Program | Color | Photocell Feature | Voltage |
|---------------------|---------------------------------|-----------------------|-------------|-----------|-------------------|---------|
| MS Motion Sensor | 1 270° coverage - Single Sensor | 00 | D0 (0V=0%) | WH White | Y Yes | UNV |
| | | 09 | D1 (1V=10%) | BK Black | N No | 347 |
| | | 18 | D3 (3V=30%) | BZ Bronze | | 480 |
| | | 27 | D5 (5V=50%) | | | |

NOTE: Motion sensor comes programmed at 30% dimmed level with a 5 min. delay as default. All programming required after shipping by others.



Manufacturer: Selux : Lenova LED Catenary Pole
Description: 14ft Catenary Light Pole

Fixture Wattage: NA W
Lumen Output: NA lumen
Lamp CRI: NA
Lighting Controls: NA

Voltage: NA
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: NA
Assembly Code: AT64-14-SP-XX

AT64/AT74 6" - 4" / 7" - 4" Round Tapered Aluminum Poles

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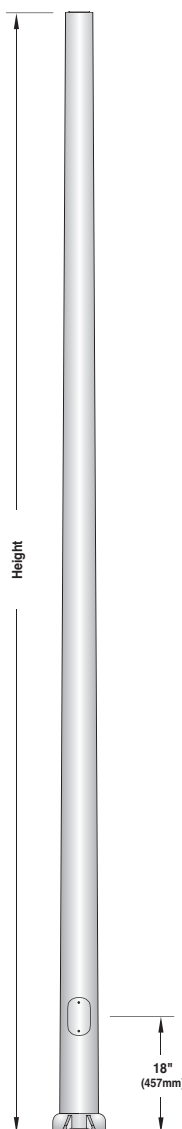
Type:

ALP05

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Lighting Notes:

1. Finish to be specified by architect.
2. Contractor to coordinate pole mounting with civil scope and other services according to manufacturer recommendations.
3. Height of pole to be 14'.
4. Power receptacles hidden in base.
5. Manufacturer to confirm pole size to support AC01 Catenary System.
6. Landscape Architect to Specify Base Cover.
7. Add alternate: Standard Finish



Project: _____

Type: _____

Qty: _____

Ordering Format: _____

| Pole Series | Height | Wall Thickness | EPA Information (ft ²) | | | | | Finish | Options |
|-------------|-----------|----------------|------------------------------------|--------|--------|---------|---------|--------------------------|---|
| | | | 70 mph | 80 mph | 90 mph | 100 mph | 110 mph | | |
| AT64 | 12 12 ft. | 0.156 | 20.0 | 20.0 | 16.3 | 13.1 | 10.7 | WH White | BC9 Optional base cover for AT64 poles only |
| AT64 | 14 14 ft. | 0.156 | 20.0 | 17.7 | 13.7 | 10.9 | 8.9 | BK Black | BC10 Optional base cover for AT74 poles only |
| AT64 | 16 16 ft. | 0.156 | 19.0 | 14.1 | 10.8 | 8.6 | 7.0 | BZ Bronze | REC GFCI Receptacle w/ weather-proof cover |
| AT64 | 18 18 ft. | 0.156 | 15.7 | 11.5 | 8.7 | 6.9 | 5.5 | SV Silver | REC2 GFCI Receptacle with weather-proof padlockable in-use cover |
| AT64 | 20 20 ft. | 0.156 | 13.5 | 9.6 | 7.1 | 5.6 | 4.4 | SP Specify Premium Color | T30 Supplied with Ø3" Tenon, 4" high |
| AT64 | 23 23 ft. | 0.156 | 10.0 | 6.8 | 4.8 | 3.7 | 2.8 | | T35 Supplied with Ø3 1/2" Tenon, 4 1/2" high |
| AT74 | 18 18 ft. | 0.156 | 20.0 | 17.7 | 13.7 | 10.9 | 8.8 | | Motion Sensor w/ Optional Photocell (Meets Title 24 Requirements) See Pole Spec Sheet for Order Code. |
| AT74 | 20 20 ft. | 0.156 | 20.0 | 14.9 | 11.4 | 9.0 | 7.3 | | |
| AT74 | 23 23 ft. | 0.156 | 15.8 | 11.4 | 8.5 | 6.6 | 5.3 | | |
| AT74 | 24 24 ft. | 0.156 | 14.8 | 10.5 | 7.8 | 6.0 | 4.7 | | |
| AT74 | 25 25 ft. | 0.156 | 13.4 | 9.5 | 7.0 | 5.4 | 4.2 | | For PC or PCT refer to fixture spec sheets (where applicable). For other options please consult factory. |

Other heights available, consult factory.

EPA Calculations allow for 1.3 Gust Factor

Standard Specifications

Pole Shaft - Pole shaft is spun from seamless 6063 alloy aluminum which is heat treated to a T6 temper.

Anchor Base - Anchor base is cast from 356 alloy aluminum which is heat treated to a T6 temper. The anchor base casting and shaft are joined by a continuous circumferential weld at the outside top and inside bottom of the anchor base.

Access Hole - The opening measures 3" x 5" (76 x 127mm) for 6" Dia. poles 4" x 6" (102 x 152mm) for 7" Dia. poles, with a cast 356 aluminum tempered to a T6 condition reinforced frame. Frame is supplied with integral ground lug connection located inside pole. Flush fitting cover is supplied with tamper resistant fasteners.

Anchor Bolts - Pole is supplied with four steel hot dip galvanized anchor

bolts, 3/4" x 17" for 6" poles and 1" x 36" for 7" poles, each with two nuts, two flat washers and one lock washer.

Nut Cover - Poles come standard with cast aluminum nut covers.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultra violet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BK), Bronze (BZ), and Silver (SV). Selux premium colors

(SP) are available, please specify from your Selux color selection guide. Hot Dip Galvanized finish (GV) on all steel parts also available.

All Poles are constructed per AASHTO standards for structural supports for highway signs, luminaires and traffic signals as published in 1994.

A consideration of field conditions such as (but not limited to) wind zone, height, vibration must be given by the designer/specifier for the appropriate application.

Performance of poles is dependent upon proper support/attachment of pole to adequate foundation design. Selux does not design or offer recommendations for foundations. EPA values assume that the bottom of the pole is at grade level.

Call Selux (1-800-SELUXCS) if there are any questions, or for any assistance in determining suitability with appropriate fixtures.

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 TEL (845) 834-1400
 FAX (845) 834-1401
 www.selux.us
 A64-74-0118-01 (ss-v3.38)

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In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.seluxus are the most recent versions and supercede all other printed or electronic versions.

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Project Number: 271565
 Phone: 1 212 896 3000

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LUMINAIRES

AT64/AT74 6" - 4" / 7" - 4" Round Tapered Aluminum Poles

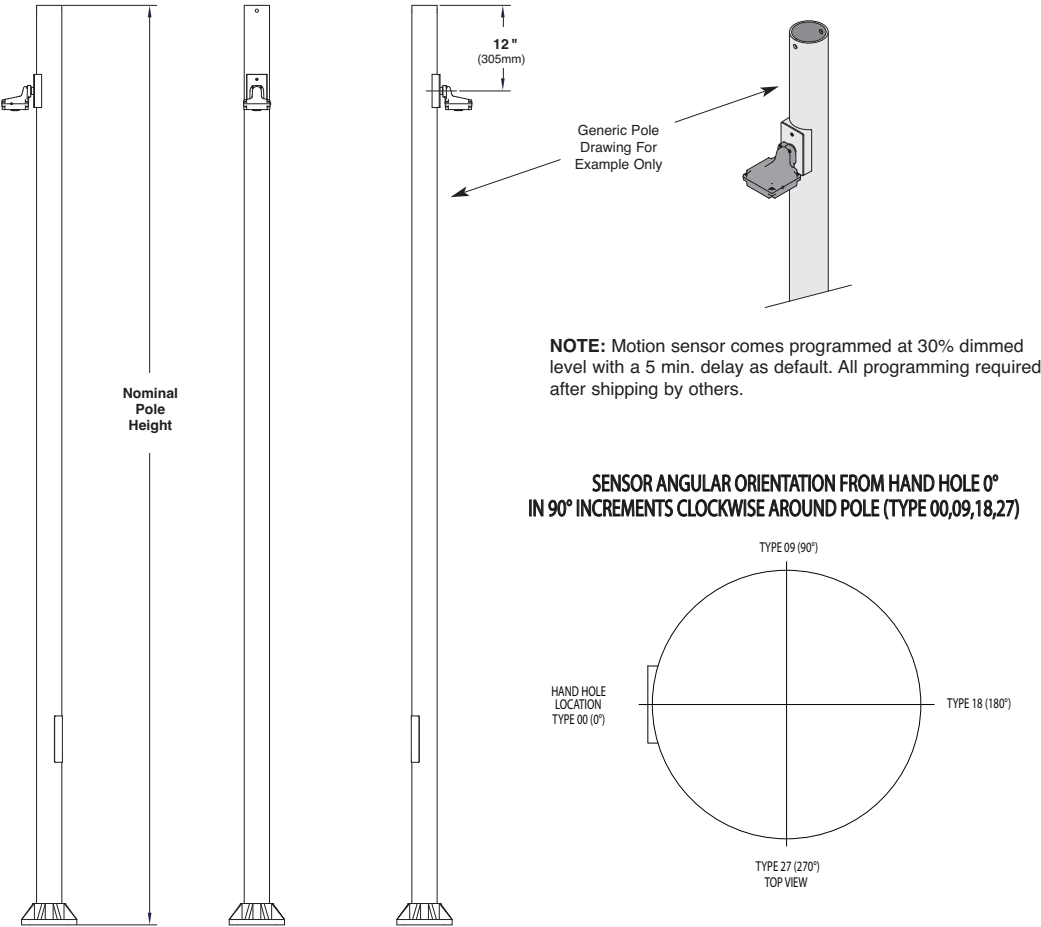
selux

Type:
ALP05
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Motion Sensor

The Selux outdoor rated sensor incorporates Passive Infrared (PIR) technology for motion sensing and also includes a built in photocell. Designed to mount directly through a 1/2" KO in a single gang faceplate on pole/column, the SBO utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size while preventing false tripping from the environment.

| Series | Optics | Hand Hole Orientation | Program | Color | Photocell Feature | Voltage |
|--------------------------------|--|--|---|--|-----------------------------|--|
| MS Motion Sensor | 1 270° coverage - Single Sensor | 00 09 18 27 | D0 0V=0% D1 1V=10% D3 3V=30% D5 5V=50% Goes from dim level to full bright upon motion | WH White BK Black BZ Bronze | Y Yes N No | UNV 347 480 |



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In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.

ARUP
Project Number: 271565
Phone: 1 212 896 3000

AT64/AT74 6" - 4" / 7" - 4" Round Tapered Aluminum Poles**selux**

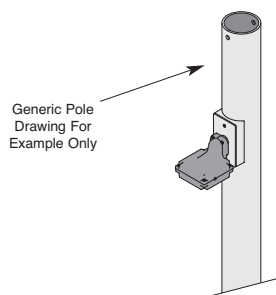
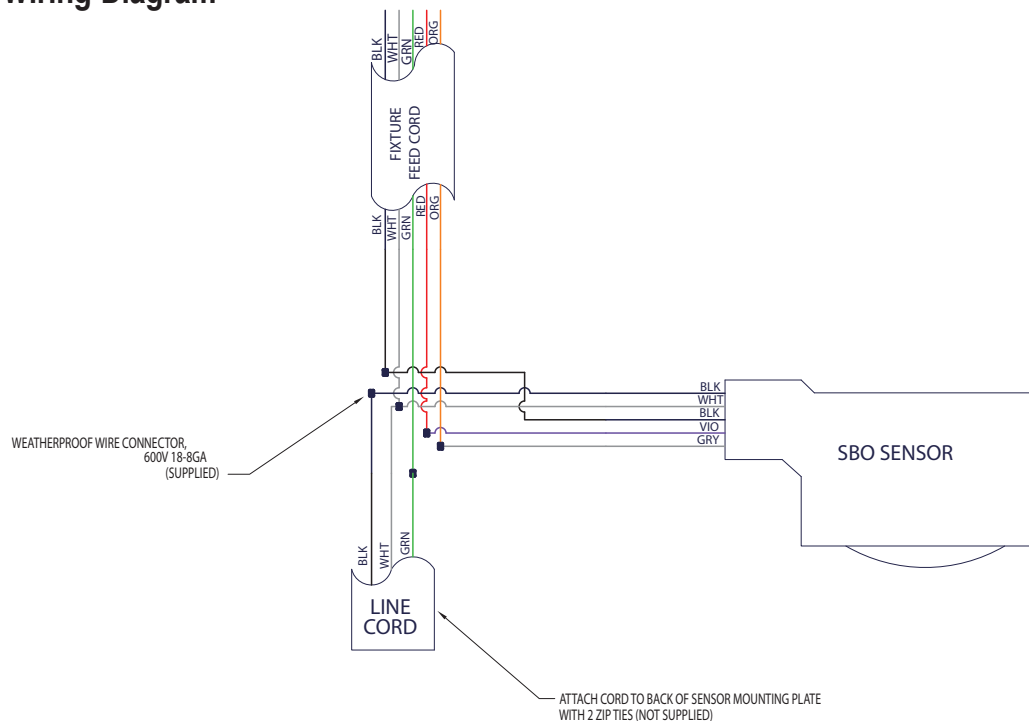
Type:

ALP05

Page 4 of 5

Motion Sensor Features**Features**

- 100% Digital PIR Detection, excellent RF Immunity
- 270° coverage pattern
- Up to 30ft mounting
- IP66 Rated for outdoor applications
- Built-in 1kV surge protection
- No minimum load requirements
- Made for LED light source
- Interchangeable hot and load wires - impossible to wire backwards
- Adjustable time delays, max/min dim levels and ramp rates
- Programming button accessible without opening sensor or removing gaskets
- No field calibration or sensitivity adjustments required
- Non-volatile setting memory
- Convenient test mode
- Suitable for Title 24 applications

**Wiring Diagram**Selux Corp. © 2018
A64-74-0118-04 (ss-v3.38)In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.**ARUP**Project Number: 271565
Phone: 1 212 896 3000

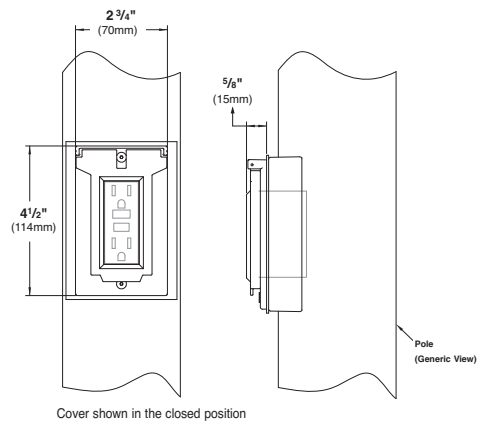
AT64/AT74 6" -4"/7" -4" Round Tapered Aluminum Poles

selux

Type:
ALP05
Page 5 of 5

Optional Accessories

GFCI Receptacle with flat cover (REC) - 120V 15A GFCI duplex receptacle with weather-proof, self-closing non-lockable cover; located 36" (915mm) from base of pole, inline with handhole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel. For use with 120v applications only, for other fixture voltages, please consult factory for wire segregation requirements.



GFCI Receptacle with in-use cover (REC2) - 120V 15A GFCI duplex receptacle with weather-proof, self-closing padlockable in-use cover; located 36" (915mm) from base of pole, inline with handhole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel. For use with 120v applications only, for other fixture voltages, please consult factory for wire segregation requirements.

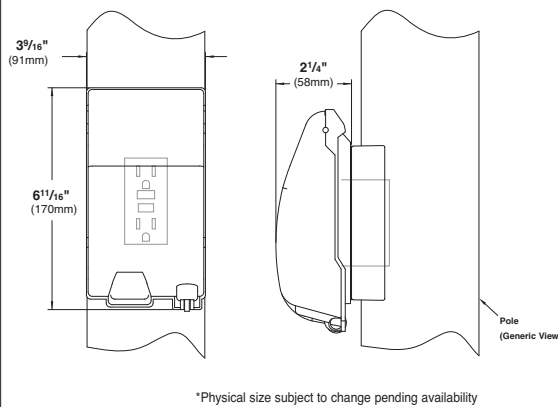


Photo Cell (PC) - Twist lock photocell mounted to aluminum cap which attaches to pole top or can be remotely located. Can be oriented for optimum performance. Refer to fixture spec sheet to determine if this option is applicable.

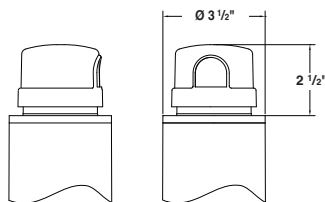
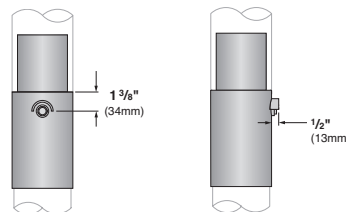


Photo Cell Tenon (PCT) - Button type photocell mounted in cast aluminum pole top tenon. Tenon has integral cast visor to prevent false start/stop cycle and can be oriented for optimum performance. Refer to fixture spec sheet to determine if this option is applicable.



Selux Corp. © 2018
A64-74-0118-05 (ss-v3.38)

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ARUP
Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: BK : Delta Star
Description: Spotlight with wide flood optic (31deg)

Fixture Wattage: 7 W
Lumen Output: 406 lumen
Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 12 V
Fixture Finish: Standard finish to be specified by architect
Lamp CCT: 3000K
Assembly Code: DS-LED-e65-WFL-A9-XXX-12-C

DELTA STAR LED

IP66 RATED

DATE:

PROJECT:

TYPE:

CATALOG NUMBER LOGIC:



*Designed for use with LED transformer. Requires magnetic low voltage dimmer.

**Please see Adjust-e-Lume photometry to determine desired intensity.

***The 360SL cost is already included in the price of UPM, UPM dual, and Power Canopy.

CATALOG NUMBER LOGIC

Example: B - DS - LED - e64 - SP - A7 - BZP - 12 - 11 - A - 360SL

MATERIAL

(Blank) - Aluminum B - Brass S - Stainless Steel

SERIES

DS - Delta Star

SOURCE

LED - with Integral Dimming Driver (25W min. load when dimmed)*

LED TYPE

e64 - 7W LED/2700K e66 - 7W LED/4000K
 e65 - 7W LED/3000K e74 - 7W LED/Amber

OPTICS

NSP - Narrow Spot (13°) MFL - Medium Flood (23°)
 SP - Spot (16°) WFL - Wide Flood (31°)

ADJUST-E-LUME® OUTPUT INTENSITY**

A9 (Standard), A8, A7, A6, A5, A4, A3, A2, A1

FINISH (See page 2 for full-color swatches)

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRI, CRM, HUG, MDS, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)

Also available in RAL Finishes

Brass Finishes (MAC, POL, MIT)

Stainless Steel Finishes (MAC, POL)

LENS TYPE

12 - Soft Focus 13 - Rectilinear

SHIELDING

11 - Honeycomb Baffle

CAP STYLE

A - 45°

B - 90°

C - Flush Lens

D - 45° Less Weephole (Interior use only)

E - 90° Less Weephole (Interior use only)

F - 90° with Flush Lens

OPTIONS

360SL - Knuckle Mounting System***

Type:

AS01

Page 1 of 9

Lighting Notes:

1. Fixture mounted to tree by means of a tree strap.
2. Coordinate remote driver locations in nearest possible location with Landscape Architect.
3. Contractor to coordinate conduit routing to driver with electrical and civil scope.

B-K LIGHTING

MADE IN THE USA

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01/15/2020 SKU-739
SUB0000930

ARUP

Project Number: 271565
 Phone: 1 212 896 3000

DELTA STAR LED

IP66 RATED

DATE:

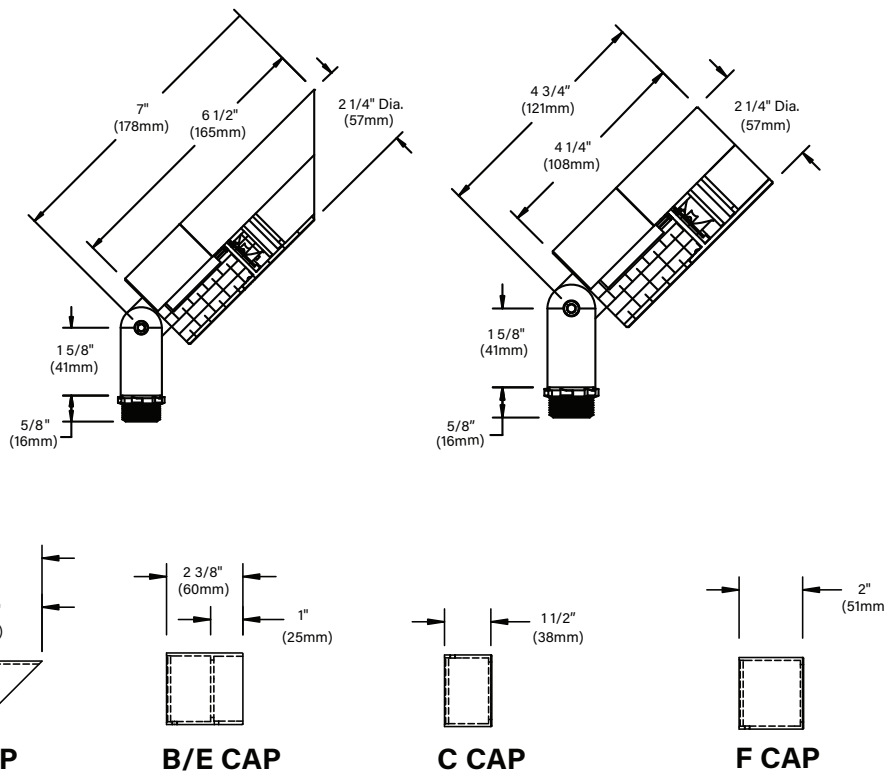
PROJECT:

TYPE:

Type:

AS01

Page 2 of 9



STANDARD FINISHES



Click Here to view larger, full-color swatches of all available finishes on our website.

PREMIUM FINISHES



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01/15/2020 SKU-739
SUB0000930

ARUP

Project Number: 271565

Phone: 1 212 896 3000

DELTA STAR LED

IP66 RATED

DATE:

PROJECT:

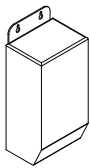
TYPE:

Type:

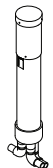
AS01

Page 3 of 9

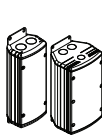
Accessories (Configure separately)



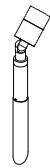
TR Series



Power Pipe



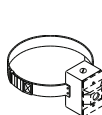
UPMRM



Power Pipe



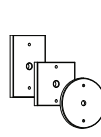
Power Canopy



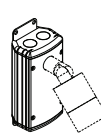
Tree Strap



Stems



Canopies



UPM

SPECIFICATIONS

| | | |
|------------|-------------------------|---|
| ELECTRICAL | WATTAGE | 7W LED |
| | WIRING | XLPE, 18GA,150C, 600V, rated and certified to UL3321. |
| | REMOTE TRANSFORMER | For use with 12VAC remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers. |
| PHYSICAL | MATERIALS | Furnished in copper-free aluminum (6061-T6), brass (360) or stainless steel (304). |
| | BODY | Unibody design with enclosed, water-proof wireway and integral heat sink is fully machined from solid billet. |
| | KNUCKLE | LOCK Knuckle is integral to the body and features an interior taper machined from solid billet and a second, reverse angle taper allowing full 180° vertical adjustment without the use of aim-limiting serrated teeth. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lbs. static load prior to movement for optical alignment with a 1/2" pipe thread for mounting. Optional 360SL provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment. |
| | CAP | Fully machined and accommodates two (2) lens or louver media. |
| | LENS | Shock-resistant, tempered glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. |
| | LED | Integrated solid state system and modular design with electrical disconnects allow for easy field upgrade and maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements and exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components. Integral, constant current driver. 12VAC/VDC input. 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current (limited to <250mA non-dimming). Output, overvoltage, open-circuit, and short circuit protected. Conforms to Safety Std. C22.2 No. 250.13-12. |
| | DIMMING | Line voltage dimmable via magnetic low voltage dimmer with dedicated neutral conductor. Remote magnetic transformer with LED loads should be loaded to 25% of the transformer VA (watts) rated value. |
| | ADJUST-E-LUME | Integral electronics allow for dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed. Specify factory preset output intensity. |
| | OPTICS | Interchangeable OPTIKIT modules permit optical field changes. Color-code: Narrow Spot (NSP) = red; Spot (SP) = green; Medium Flood (MFL) = yellow; Wide Flood (WFL) = blue. |
| | HARDWARE | Tamper-resistant, stainless steel hardware. LOCK aiming screw is black oxide treated for additional corrosion resistance. |
| | FINISH | StarGuard, our 15-stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. Powder coat or metal finish options available for brass material and metal finish option only for stainless steel material. |
| | WARRANTY | 5-year limited warranty. |
| | CERTIFICATION & LISTING | ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. RoHS compliant. Suitable for indoor or outdoor use, in wet locations, and for installation within 4' of the ground. IP66 Rated. Made in the USA with sustainable processes. |



RoHS



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01/15/2020 SKU-739
SUB000930

ARUP

Project Number: 271565
Phone: 1 212 896 3000

LAMP & DRIVER DATA (e64, e65, e66, e74)

DATE:

PROJECT:

TYPE:

Type:

AS01

Page 4 of 9

| DRIVER DATA | Input Volts | InRush Current | Operating | Dimmable | Operation Ambient Temperature |
|--------------------|--------------------|-----------------------|------------------|-----------------------------|--------------------------------------|
| | 12VAC/DC 50/60Hz | <250mA (non-dimmed) | 700mA | Magnetic Low Voltage Dimmer | -22°F-194°F (-30°C - 90°C) |

| LM79 DATA | | | | L70 DATA | OPTICAL DATA | | |
|------------------|-------------------|-------------------|---------------------------|---|---------------------|-------------|-------------------------|
| BK No. | CCT (Typ.) | CRI (Typ.) | Input Watts (Typ.) | Minimum Rated Life (hrs.) 70% of initial lumens (L₇₀) | Angle | CBCP | Delivered Lumens |
| e64 | 2700K | 80 | 7 | 50,000 | 13° | 5993 | 456 |
| | 2700K | 80 | 7 | 50,000 | 16° | 4546 | 445 |
| | 2700K | 80 | 7 | 50,000 | 23° | 1726 | 397 |
| | 2700K | 80 | 7 | 50,000 | 31° | 1131 | 399 |
| e65 | 3000K | 80 | 7 | 50,000 | 13° | 6131 | 466 |
| | 3000K | 80 | 7 | 50,000 | 16° | 4650 | 455 |
| | 3000K | 80 | 7 | 50,000 | 23° | 1766 | 406 |
| | 3000K | 80 | 7 | 50,000 | 31° | 1157 | 409 |
| e66 | 4000K | 80 | 7 | 50,000 | 13° | 6889 | 524 |
| | 4000K | 80 | 7 | 50,000 | 16° | 5225 | 511 |
| | 4000K | 80 | 7 | 50,000 | 23° | 1984 | 456 |
| | 4000K | 80 | 7 | 50,000 | 31° | 1300 | 459 |
| e74 | Amber (590nm) | ~ | 7 | 50,000 | ~ | ~ | ~ |

OPTICS

| Optic | Angle |
|--------------------|--------------|
| NSP - Narrow Spot | 13° |
| SP - Spot | 16° |
| MFL - Medium Flood | 23° |
| WFL - Wide Flood | 31° |

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ARUP

Project Number: 271565

Phone: 1 212 896 3000

TREE STRAP JUNCTION BOX (LOW VOLTAGE / LED)

ORDER FIXTURE SEPARATELY

DATE:

PROJECT:

TYPE:

CATALOG NUMBER LOGIC:



CATALOG NUMBER LOGIC

Example: B - TS - TMC - BLP - 18

MATERIAL

(Blank) - Aluminum B - Brass S - Stainless Steel

SERIES

TS - Tree Strap

MOUNTING ACCESSORY

TMC - Tree Mount Canopy Junction Box

FINISH (See below for full-color swatches)

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRI, CRM, HUG, MDS, NBP, OCP, RMG, SDS, SMG, TFX, WCP, WIR)

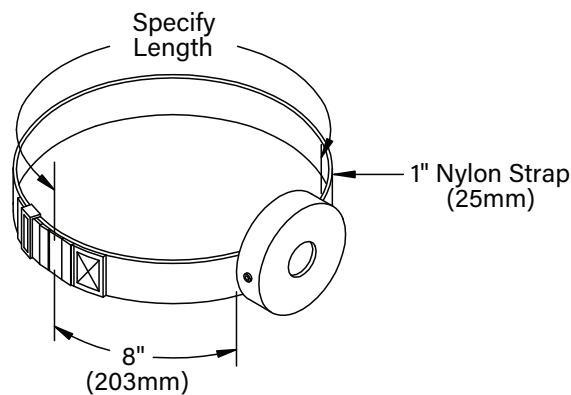
Also available in RAL Finishes.

Brass Finishes (MAC, POL, MIT)

Stainless Steel Finishes (MAC, POL)

ADJUSTABLE STRAP LENGTH

Minimum 3"adjustable strap (standard)



STANDARD FINISHES



Click [Here](#) to view larger, full-color swatches of all available finishes on our website.

PREMIUM FINISHES



Type:

AS01

Page 5 of 9

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04/24/2020 SKU-841
SUB-2136-00

ARUP

Project Number: 271565
Phone: 1 212 896 3000

TREE STRAP JUNCTION BOX (LOW VOLTAGE / LED)ORDER FIXTURE SEPARATELY




DATE:PROJECT:TYPE:

Accessories (Configure separately)

Type:
AS01
Page 6 of 9

SPECIFICATIONS

| | | |
|----------|-------------------------|--|
| PHYSICAL | MATERIALS | Furnished in copper-free aluminum (6061-T6), brass (360) or stainless steel (304). |
| | CANOPY | 2 9/16" diameter canopy. Machined from solid billet with chamfered edge. 7/8" dia. slip hole for use with 1/2" I.P. threaded nipple. |
| | INSTALLATION | Tree Strap mounting system facilitates non-invasive installation. Adjustable nylon strap is mold and mildew resistant and will not hinder tree growth. |
| | FINISH | StarGuard, our 15-stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. Powder coat or metal finish options available for brass material and metal finish option only for stainless steel material. |
| | WARRANTY | 5-year limited warranty. |
| | CERTIFICATION & LISTING | Suitable for indoor or outdoor use. RoHS Compliant. Made in USA with sustainable processes. |



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04/24/2020 SKU-841
SUB-2136-00

ARUP
Project Number: 271565
Phone: 1 212 896 3000

PM1RM REMOTE LOW VOLTAGE (TRANSFORMER - TREE STRAP)

ORDER FIXTURE SEPARATELY.

DATE:

PROJECT:

TYPE:

CATALOG NUMBER LOGIC:



*75W max. electronic transformer allows up to 10' spacing between fixtures. For use with LED fixtures. For use with MR16 LED Lamp fixtures

**105-300 VAC, 50/60 Hz, non-dimming. For use with LED fixtures.

***Non-dimming.

CATALOG NUMBER LOGIC

Example: PM1RM - TS-18 - TRSS75 - BLP - 120 - SC

MATERIAL

Aluminum

SERIES

PM1RM - Universal Power Module 1 Remote

MOUNTING

TS-Length - Tree Strap (Specify adjustable strap length) 18" Standard Min.

TRANSFORMER TYPE

TRSS75 - 75VA Electronic Transformer*

TRe20 - TRe20 Electronic Transformer**

FINISH

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRI, CRM, HUG, MDS, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)

(Also available in RAL Finishes. See submittal SUB-1439-00)

INPUT VOLTAGE

(Blank) - For use with TRe20 Electronic Transformer**

120 - 120 VAC (For use with TRSS75)

230 - 230 VAC*** (Electronic only, for use with TRSS75)

277 - 277 VAC*** (For use with TRSS75)

OPTIONS

SC - Safety Cable for use with Tree Strap Mount. Cable length to match strap length. 18" Standard Min.

MB - Mounting Brackets

Type:

AS01

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01/21/2020 SKU-694 P1

ARUP

Project Number: 271565

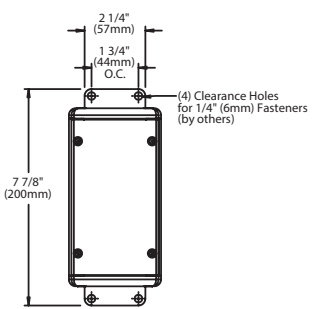
Phone: 1 212 896 3000

PM1RM REMOTE LOW VOLTAGE (TRANSFORMER - TREE STRAP) ORDER FIXTURE SEPARATELY.

| | | |
|-------|----------|-------|
| DATE: | PROJECT: | TYPE: |
|-------|----------|-------|

Type: **AS01**
Page 8 of 9

OPTIONAL MOUNTING BRACKET



⚠ REMOTE WIRING

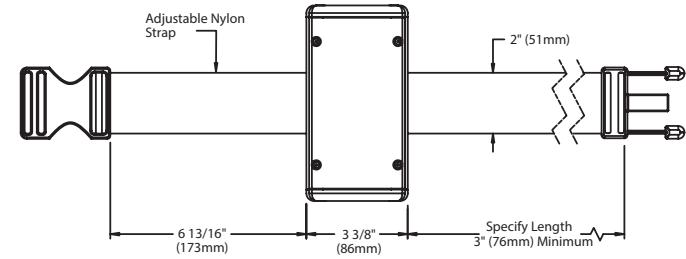
Electronic Transformer
Remote transformer installations require interconnected wiring between the lamp and transformer (by others). Electronic transformers have specific wiring requirements between these components. Transformer manufacturers regularly recommend the following wiring details for such installations:

- Do not exceed 8 foot overall wiring distance using 12 gauge copper wire.

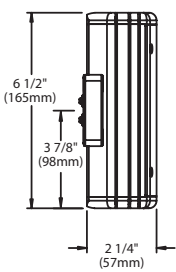
Please consult the factory through your local B-K Lighting Sales Representative prior to finalizing any installation detail utilizing remote transformer wiring.

Failure to comply with specific wiring requirements will void product warranty

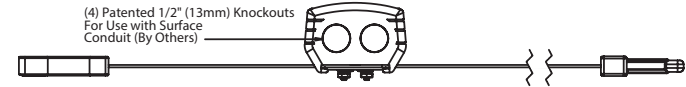
FRONT VIEW



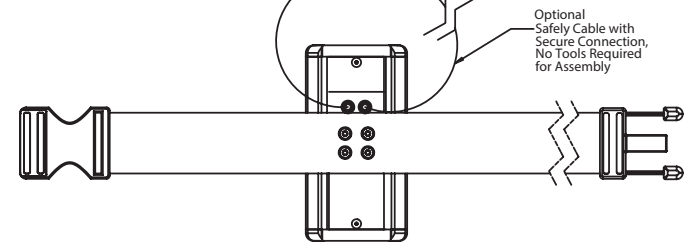
SIDE VIEW



END VIEW



SAFETY CABLE



| | | |
|---------------------|------------------------|---|
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|---------------------|------------------------|---|

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ARUP
Project Number: 271565
Phone: 1 212 896 3000

PM1RM REMOTE LOW VOLTAGE (TRANSFORMER - TREE STRAP)ORDER FIXTURE SEPARATELY.

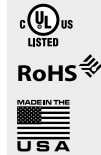
DATE:PROJECT:TYPE:

Accessories (Configure separately)

Type:
AS01
Page 9 of 9

SPECIFICATIONS

| | | |
|------------|-------------------------------------|--|
| Electrical | TRSS-75 TRANSFORMER | For use with halogen lamps. One (1) 75VA electronic low voltage transformer. 120, 230, or 277VAC primary voltage. 120V is dimmable (40W minimum load) using electronic low voltage dimmer. 10 watt minimum load (non-dimmed). 50/60Hz. 11.6VAC secondary voltage. >.93 Power Factor. <20% THD. Operating frequency >10kHz. Primary overload protection and RFI filtration. Soft start circuitry extends lamp life. |
| | TRe20 ELECTRONIC TRANSFORMER | One (1) 20VA electronic low voltage transformer 105-330VAC primary voltage. 1W minimum load. 20W maximum load. 50/60Hz. Non-dimming. 12VDC secondary voltage. >90% Power Factor. >80% efficiency (under full load). Inrush current limited to <5A max. Thermal shutdown with autorestart. Overload, short circuit, and open circuit protection. |
| PHYSICAL | TREE INSTALLATION | Tree Strap mounting system facilitates non-invasive installation. Adjustable nylon strap is mold and mildew resistant and will not hinder tree growth. Stainless steel safety cable maintains UPM mounting when nylon strap is disengaged. |
| | HOUSING | Copper free, aluminum extrusion with die cast end caps. Surface mounted with flow through back channel to prevent water and debris collection. Machined aluminum cover with countersunk holes for flush hardware installation. Tamper-resistant, captive, black oxide stainless steel mounting screws. Front access for ease of installation and inspection. Two (2) 1/2" NPT female conduit entries per end cap for through wiring. |
| | INSTALLATION TETHER | Stainless steel cable with integral loop allows cover to temporarily suspend from housing during installation to simplify wire connection and component attachment. |
| | PATENTED KNOCKOUTS | Four (4) 1/2" NPT, machined aluminum knockouts. High temperature, silicone 'O' Ring for water-tight seal. Patented design allows knockout to be reinserted without compromising seal integrity. |
| | FINISH | StarGuard, our 15-stage, chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. Finish to match fixture. (specified separately). |
| | WARRANTY CERTIFICATION & LISTING | 5-year limited warranty. Certified to CAN/CSA/ANSI Standards. UL Listed. NEMA 4X / IP66 Rated Enclosure. RoHs compliant. Made in USA with sustainable processes. |



B-K LIGHTING

MADE IN THE USA

559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

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ARUP
Project Number: 271565
Phone: 1 212 896 3000

Pond Pavilion

Type:

ARUP

Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: LED LINEAR : HYDRA HD IP67
Description: Under bench linear LED wet rated

Fixture Wattage: 80 W/ft
Lumen Output: 151 lumen/ft
Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Standard
Lamp CCT: 3000K
Assembly Code: HD6

XOOLUM IP67 Static White



24 V, modular, light intensive linear LED luminaire in IP67 with adjustable luminaire head (45°) and 3 clear encapsulated reflector optics. Available in silver or black profile color as surface-mounted version. 2.56' black cable with open end on one side. High quality and homogeneous illumination. Japanese LED. CRI up to 95. Binning 3 Mac-Adam. Lifetime of > 60,000 hrs (L80/B10). Installation friendly, attachable and durable luminaire housing with a small cross section made from extruded and anodized aluminum with screwed Al-end caps. Engineered in Germany.



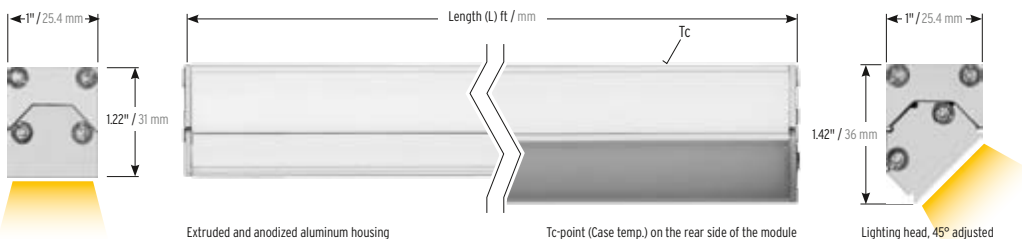
Type:
AL02(POND)

Page 1 of 5

Lighting Notes:

1. Refer to Architects Drawings for Length

Dimensions & available lengths



Fixture build to length (not field cuttable):

L_{min}: 7.8'; L_{max}: 13.16' (HD25: 9.88'); in 2.46' increments
 L_{min}: 198 mm; L_{max}: 4,010 mm (HD25: 3,010 mm); in 62.5 mm increments

Electrical & output data

| | | | | |
|--|---|--------------|--------------|--------------|
| Voltage | 24 Volt (23 V _{min} , 25 V _{max}) | | | |
| Temperature ² | T _{Cmin} = -13°F / -25°C, T _{Cmax} (Table below) | | | |
| Storage temperature | T _{Smin} = -22°F / -30°C, T _{Smax} = 185°F / 85°C | | | |
| Ambient temperature | T _{Amin} = -13°F / -25°C, T _{Amax} (Table below) | | | |
| CRI | up to 95 | | | |
| R9 | up to 65 | | | |
| XOOLUM™ HYDRA | HD6 | HD10 | HD15 | HD25 |
| Power (W/ft / W/m) ¹ | 1.8 / 6 | 3.1 / 10 | 4.6 / 15 | 7.6 / 25 |
| Efficacy (lm / W) @ W850 | 52 | 51 | 55 | 53 |
| max. length (ft / m) | 13.1 / 4 | 13.1 / 4 | 13.1 / 4 | 9.8 / 3 |
| Temperature Tc-point (T _{Cmax}) ² | 140°F / 60°C | 140°F / 60°C | 140°F / 60°C | 149°F / 65°C |
| Ambient temperature (T _{Cmax}) | 104°F / 40°C | 104°F / 40°C | 104°F / 40°C | 95°F / 35°C |



LM 79 compliant



LM 80 compliant



UV protected



Resistant to solvents



Saltwater resistant



Temporary immersion protection



Impact resistant



| Color temperature LED tape used ³ | | Color temperature delivered finished fixture | | HD6 | HD10 | HD15 | HD25 |
|--|--------|--|----------|------------|---|------------|------|
| | | | | low output | high output | | |
| | | | | | lumen/feet (lm/ft) ¹ lumen/meter (lm/m) ¹ | | |
| ● W820 | 2000 K | 2400 K | 54 / 180 | 90 / 300 | 145 / 480 | 234 / 770 | |
| ● W822 | 2200 K | 2700 K | 60 / 200 | 103 / 340 | 164 / 540 | 267 / 880 | |
| ● W825 | 2500 K | 3000 K | 69 / 230 | 118 / 390 | 188 / 620 | 307 / 1010 | |
| ● W827 W927 | 2700 K | 3500 K 3400 K | 63 / 210 | 106 / 350 | 200 / 660 | 325 / 1070 | |
| ● W830 W930 | 3000 K | 3900 K 3800 K | 63 / 210 | 106 / 350 | 212 / 700 | 346 / 1140 | |
| ● W835 W935 | 3500 K | 4600 K 4400 K | 66 / 220 | 109 / 360 | 222 / 730 | 362 / 1190 | |
| ● W840 W940 | 4000 K | 5500 K 5600 K | 66 / 220 | 112 / 370 | 228 / 750 | 371 / 1220 | |
| ● W850 | 5000 K | 7200 K | 93 / 310 | 154 / 510 | 249 / 820 | 404 / 1330 | |

¹ The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

² The Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.

³ In case of IP67 products, tolerances in the color temperature can occur. For further explanation, please see specification catalogue 2016/2017.

ARUP

Project Number: 271565
 Phone: 1 212 896 3000



Type:
AL02(POND)
Page 2 of 5

Order code

| | | | | | | | | | |
|--------------------|------------|------|-----|----|------|---|---|----|------|
| Your order code | XOOLUM HYD | HD__ | W__ | | | | | | IP67 |
| Order code example | XOOLUM HYD | HD25 | W8 | 27 | 2010 | 5 | A | BS | IP67 |

LED tape

| | |
|------------------|------|
| HYDRA HD6 | HD6 |
| HYDRA HD10 | HD10 |
| HYDRA HD15 | HD15 |
| HYDRA HD25 | HD25 |

Color rendering

| | |
|-----------------------------|---|
| > 80 | 8 |
| > 90 (only HD6, HD10) | 9 |

Color temperature delivered finished fixture

| | | |
|---------------------|--------------|----|
| 2400 K | 2000 K | 20 |
| 2700 K | 2200 K | 22 |
| 3000 K | 2500 K | 25 |
| 3500 K 3400 K | 2700 K | 27 |
| 3900 K 3800 K | 3000 K | 30 |
| 4600 K 4400 K | 3500 K | 35 |
| 5500 K 5600 K | 4000 K | 40 |
| 7200 K | 5000 K | 50 |

Length

L_{min}: 7.8" (198 mm);
L_{max}: 13.16" (4,010 mm); HD25: 9.88" (3,010 mm);
in 2.46" (62.5 mm) increments

Profile color

| | |
|--------------|---|
| Silver | S |
| Black | B |

Options

| | |
|----------------------|----|
| Non adjustable | NA |
| Adjustable | A |

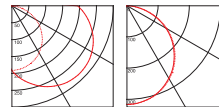
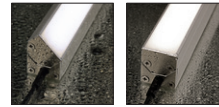
Cable feed⁴

Back side, 6.56' / 2 m
(through mounting channel)

Front side, 6.56' / 2 m
(through end caps)

Ingress protection

| | |
|------------|------|
| IP67 | IP67 |
|------------|------|



opal encapsulation
DIN 5040:A50

Cable feed



Please choose your accessories

☒ Fixture comes with 6.56' / 2 m open end cable.

| Mounting | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | no further accessories required, fixture base profile = mounting channel |

! Note: Number of mounting accessories depending on the profile length.

| Mounting (optional) | Art.-# |
|---|----------|
| <input type="checkbox"/> XOOLUM™ 007 Swivel-Angle Set +/- 45° | 13000081 |
| <input type="checkbox"/> VarioPendant 007 Slide Silver | 13000157 |
| <input type="checkbox"/> VarioPendant 007 Slide black | 13000158 |

| Length of profiles (ft / mm) | Number of mounting accessories |
|------------------------------|--------------------------------|
| 0.25 - 4 / 0 - 1,000 | 2 |
| 4 - 7 / 1,001 - 2,000 | 3 |
| 7 - 10 / 2,001 - 3,000 | 4 |
| 10 - 13 / 3,001 - 4,000 | 5 |

| Recommended driver | |
|--------------------------|------------------------|
| <input type="checkbox"/> | MEAN WELL HLG-100H-24A |

| Recommended control | |
|--------------------------|-----------------------------|
| <input type="checkbox"/> | EldoLED LINEARdrive DC 180D |

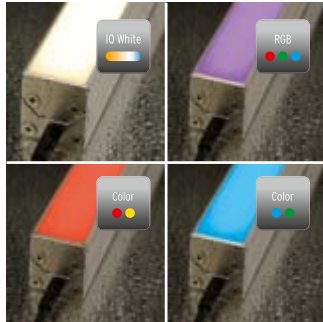
For max. cable length between driver and fixture please visit www.led-linear.com/cable-length

Safety and assembly information please see specification catalogue 2018/2019.

LED Linear™ GmbH

ARUP
Project Number: 271565
Phone: 1 212 896 3000

XOOLUM IP67 Tunable White/Color/RGB



24 V, modular, light intensive linear LED luminaire in IP67 with adjustable luminaire head (45°) and a homogeneous light emission surface due to an opal encapsulation. Available in silver or black profile color as surface-mounted version. 2.56' black cable with open end on one side. High quality and homogeneous illumination. Japanese LED. CRI up to 85. Lifetime of > 60,000 hrs (L80/B10 at Tunable White) resp. 30,000 hrs (L80 at RGB and Color). Installation friendly, attachable and durable luminaire housing with a small cross section made from extruded and anodized aluminum with screwed Al-end caps. Engineered in Germany.



Type:
AL02(POND)

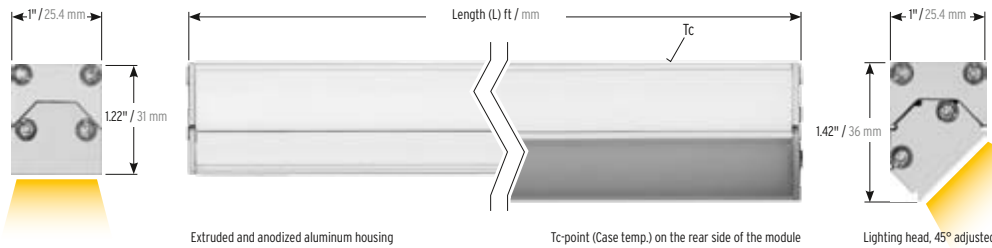
Page 3 of 5

Project name _____

Fixture type _____ Phase _____

Specifier _____ Date _____

Dimensions & available lengths



Fixture build to length (not field cuttable):

L_{min}: 7.8" (ATON Color: 5.31"); L_{max}: 13.16'; in 2.46" increments (ATON Color: 4.92")
 L_{min}: 198 mm (ATON Color: 135 mm); L_{max}: 4,010 mm; in 62.5 mm increments (ATON Color: 125 mm)

Electrical & output data

| | |
|--------------------------|---|
| Voltage | 24 Volt (23 V _{min} , 25 V _{max}) |
| Temperature ² | T _{Cmin} = -13°F / -25°C, T _{Cmax} = 158°F / 70°C |
| Storage temperature | T _{Smin} = -22°F / -30°C, T _{Smax} = 185°F / 85°C |
| Ambient temperature | T _{Amin} = -13°F / -25°C, T _{Amax} = 104°F / 40°C |

| XOOLUM™ | IO White ATON | | RGB | | ATON Color | | ECO HD8 | |
|---------------------------------|---------------|----------|----------|----------|------------|----------|----------|--|
| | HD12 | HD24 | HD20 | Red | Yellow | Blue | Green | |
| Power (W/ft / W/m) ¹ | 3.7 / 12 | 7.3 / 24 | 6.7 / 22 | 2.4 / 8 | 2.4 / 8 | 2.4 / 8 | 2.4 / 8 | |
| Efficacy (lm / W) ¹ | 86 | 89 | 19 | 8 | 15 | 10 | 39 | |
| max. length (ft / m) | 13.1 / 4 | 13.1 / 4 | 13.1 / 4 | 13.1 / 4 | 13.1 / 4 | 13.1 / 4 | 13.1 / 4 | |
| CRI | 85 | 85 | - | - | - | - | - | |
| R9 | 20 | 20 | - | - | - | - | - | |

| LED tape | Color temperature ³ | Color (λ _d) | lumen/feet (lm/ft) ² | |
|--------------------|--------------------------------|-------------------------|--|--|
| | | | lumen/meter (lm/m) ² @ clear cover ¹ | |
| IO White ATON HD12 | W822 (2600 K) - | - | 116' / 380 ⁴ | |
| IO White ATON HD24 | W840 (4900 K) | - | 241' / 790 ⁴ | |
| RGB HD20 | - | 622 (R)/532 (G)/466 (B) | 115' / 376 ⁴ | |
| ATON Color Red | - | 625 nm | 20 / 64 | |
| ATON Color Yellow | - | 595 nm | 12 / 39 | |
| ECO HD8 Blue | - | 468 nm | 24 / 78 | |
| ECO HD8 Green | - | 526 nm | 94 / 309 | |

¹ The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

² The T_C-point should be measured in thermal equilibrium according to IEC EN 60598-1.

³ In case of IP67 products, tolerances in the color temperature can occur. For further explanation, please see specification catalogue 2016/2017.

⁴ When all single colors are at full power.





Type:
AL02(POND)

Page 4 of 5

Order code

| | | | | | | | |
|--------------------|--------|--------------|------|---|---|----|------|
| Your order code | XOOLUM | | | | | | IP67 |
| Order code example | XOOLUM | ATON Color R | 1010 | S | A | BS | IP67 |

LED tape

| | |
|--------------------|----------------|
| IQ White ATON HD12 | IQ W ATON HD12 |
| IQ White ATON HD24 | IQ W ATON HD24 |
| RGB HD20 | RGB HD20 |
| ATON Color Red | ATON Color R |
| ATON Color Yellow | ATON Color Y |
| ECO HD8 Blue | ECO HD8 B |
| ECO HD8 Green | ECO HD8 G |

Length

L_{min}: 7.8" (198 mm); ATON Color: 5.31" (135 mm);
L_{max}: 13.16' (4,010 mm);
in 2.46" (62.5 mm) increments; ATON Color: 4.92" (125 mm)

Profile color

| | |
|--------|---|
| Silver | S |
| Black | B |

Options

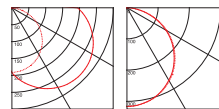
| | |
|----------------|----|
| Non adjustable | NA |
| Adjustable | A |

Cable feed⁵

| | |
|--|----|
| Back side, 6.56' / 2 m (through mounting channel) | BS |
| Front side, 6.56' / 2 m (through end caps) | FS |

Ingress protection

| | |
|------|------|
| IP67 | IP67 |
|------|------|



opal encapsulation
DIN 5040:A50

Cable feed



Please choose your accessories

☒ Fixture comes with 6.56' / 2 m open end cable.

| Mounting |
|--|
| <input checked="" type="checkbox"/> no further accessories required, fixture base profile = mounting channel |

! Note: Number of mounting accessories depending on the profile length.

| Mounting (optional) | Art.-# |
|---|----------|
| <input type="checkbox"/> XOOLUM™ 007 Swivel-Angle Set +/- 45° | 13000081 |
| <input type="checkbox"/> VarioPendant 007 Slide Silver | 13000157 |
| <input type="checkbox"/> VarioPendant 007 Slide black | 13000158 |

| Length of profiles (ft / mm) | Number of mounting accessories |
|------------------------------|--------------------------------|
| 0.25 - 4 / 0 - 1,000 | 2 |
| 4 - 7 / 1,001 - 2,000 | 3 |
| 7 - 10 / 2,001 - 3,000 | 4 |
| 10 - 13 / 3,001 - 4,000 | 5 |

| Recommended driver |
|---|
| <input type="checkbox"/> MEAN WELL HLG-100H-24A |

| Recommended control |
|--|
| <input type="checkbox"/> EldoLED LINEARdrive DC 180D |

For max. cable length between driver and fixture please visit www.led-linear.com/cable-length

Safety and assembly information please see specification catalogue 2018/2019.

LED Linear™ GmbH

ARUP

Project Number: 271565
Phone: 1 212 896 3000

XOOLUM IP67







LED LINEAR™
lighting solutionsMember of the
Fagerhult GroupType:
AL02(POND)

Page 5 of 5

Drivers

| Item | Specifications | Downloads |
|---|---|--|
| LED LINEAR™ Non-Dimmable Drivers  | <ul style="list-style-type: none"> • UL 8750 Listed Enclosure - With Built-In Junction Boxes • Universal Input Voltage 120V - 277V • IP65 - For Both Indoor and Outdoor Use • No Minimum Load Requirement • 24V Constant Voltage Output, Class 2 • Available in three wattages 30W, 60W and 96W • Max. Dimensions: 12-1/8" x 2-3/8" x 1-3/8" | 30 W SPEC SHEET 60 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS |
| LED LINEAR™ 0-10V Dimmable Drivers  | <ul style="list-style-type: none"> • UL 8750 Listed Enclosure - With Built-In Junction Boxes • 0-10V Dimmable - Flicker Free Down to 1% • Universal Input Voltage 120V - 277V • IP65 - For Both Indoor and Outdoor Use • 24V Constant Voltage Output, Class 2, Class P • Available in three wattages 30W, 60W and 96W • Max. Dimensions: 12-1/8" x 2-3/8" x 1-3/8" | 30 W SPEC SHEET 60 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS |
| LED LINEAR™ ELV/Triac Dimmable Drivers  | <ul style="list-style-type: none"> • UL 8750 Listed Class 2 Enclosure • 24V constant voltage output • Compact size yet high efficiency and performance in dry and damp environments (IP67) • Multiple Inputs: 120V or 277V • Fully dimmable: ELV Dimmers - Reverse or Adaptive Phase Control, Trailing Edge • Available in two wattages 48W and 96W • Multiple Circuits are available up to 4 units (up to 384W) | 48 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS |
|  PWM Dimmable Drivers  | <ul style="list-style-type: none"> • Universal AC input / Full range (up to 305VAC) • Constant voltage PWM style output • Built-in 3 in 1 dimming function (0-10Vdc or PWM signal or resistance) • Dimming range : 0-100% • Class 2 power unit • Suitable for dry / damp / wet locations • UL Recognized component, 5 years warranty | 40 W SPEC SHEET 60 W SPEC SHEET 90 W SPEC SHEET INSTALLATION INSTRUCTIONS |
|  Dimmable Drivers  | <ul style="list-style-type: none"> • UL Listed Enclosure • Dimming Range: 100% to 1% and 0.1% (Premiere) • LED lighting turns on to any dimmed level without flashing to full brightness • Operating Voltage: 120V~ to 277V~ at 50/60 Hz • Rated lifetime of 50,000 hours at 40°C (104°F) ambient temperature and maximum loading • For rated warranty, ambient temperature not to exceed 40°C (104°F) • Open-circuit protected output | HI-LUME SPEC SHEET HI-LUME PREMIERE SPEC SHEET INSTALLATION INSTRUCTIONS |
| eldoLED DALI/DMX Dimmable Drivers  | <ul style="list-style-type: none"> • Available in linear or rectangular format • 100W, DMX/DALI interface • 4 control channels • 24V constant voltage, 4 x 24V outputs • Metal or plastic case options | 100 W SPEC SHEET INSTALLATION INSTRUCTIONS |

Controllers

| Item | Specifications | Downloads |
|---|---|--------------------------------------|
|  | 180/D DMX Controller for RGB and Tunable White Applications | 180/D SPEC SHEET |
|  | 210/D Dali Controller for Static White, RGB and Tunable White Applications | 210/D SPEC SHEET |
|  | 211/D-LG 0-10V Logarithmic Dimming Controller | 211/D-LG SPEC SHEET |
|  | 211/D-LN 0-10V Linear Dimming Controller | 211/D-LN SPEC SHEET |
|  | 212/D DMX Controller for Static White and Static Color Applications | 212/D SPEC SHEET |
|  | DimWheel DMX Wall Controller for RGB and Tunable White Applications | DIM WHEEL SPEC SHEET |

Click for more
information

PRODUCT BROCHURE

INSTALLATION

IES FILES

DRIVERS & CONTROLS

Manufacturer: BASELIGHT + SORAA + Color Cord
Description: Lampshade + Lamp

Fixture Wattage: 11 W
Lumen Output: 725 lumen
Lamp CRI: 90+

Lighting Controls: 0-10V Dimming

Voltage: 120 V

Fixture Finish: To be specified by architects

Lamp CCT: 3000K

Assembly Code: See Lighting Notes

Section through Pond Pavilion showing various height settings of pendants

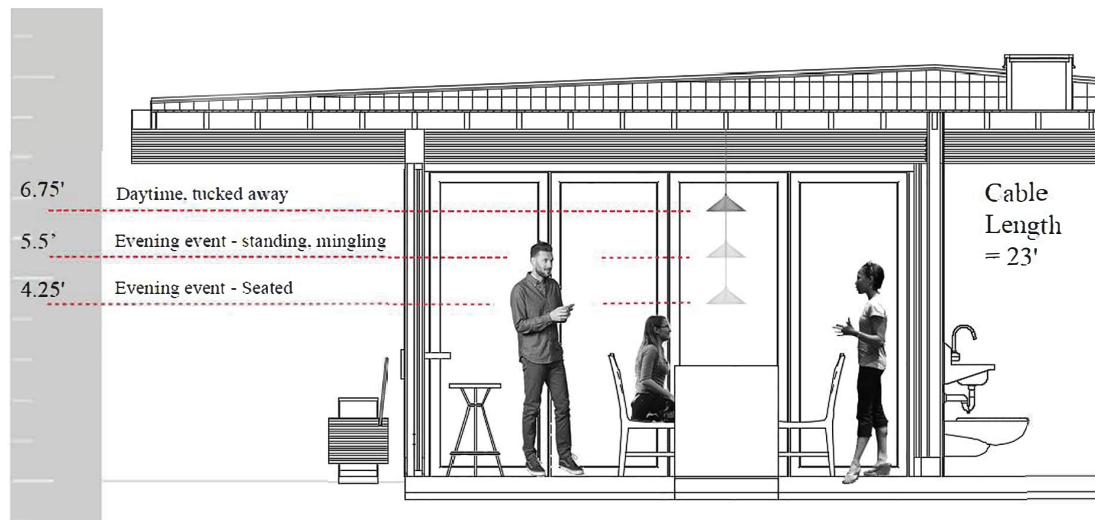
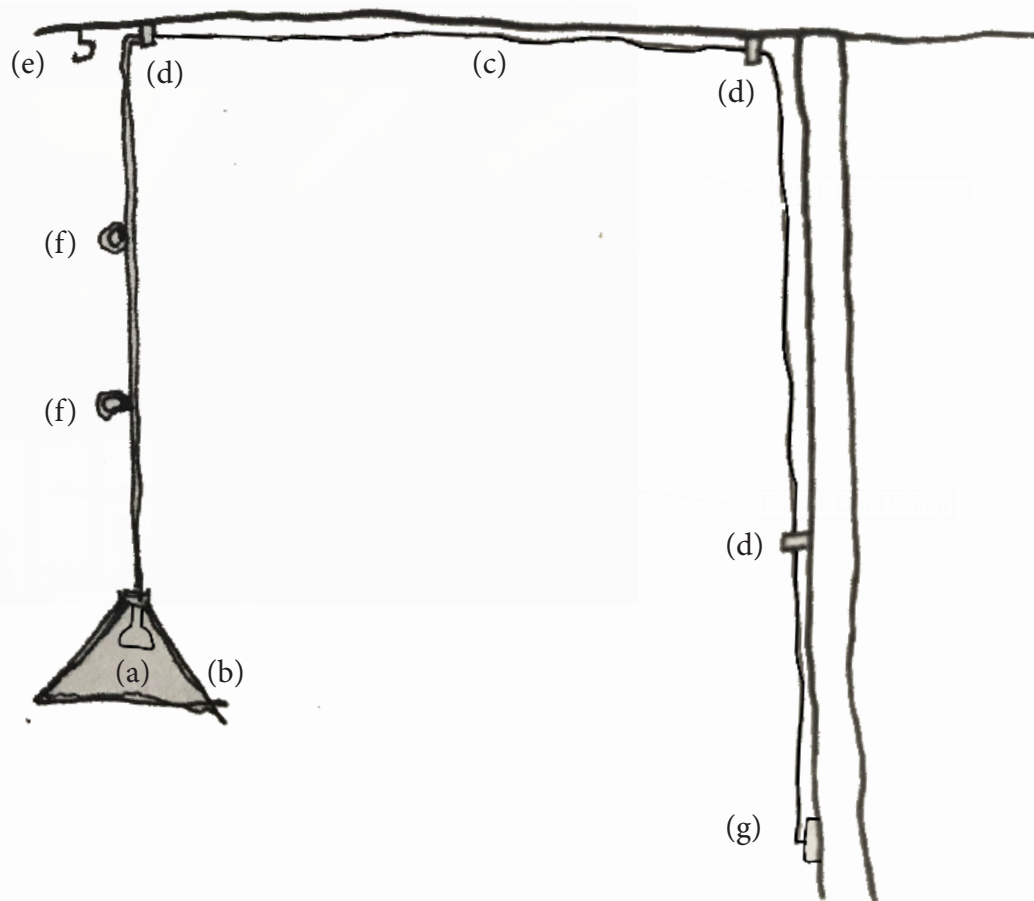


Diagram indicating pendant kit of parts



Type:

AP01

Page 1 of 19

Lighting Notes:

1. All finishes to be specified by architect.
2. This product consists of: (a) 1x Lamp (b) 1x Lamp Shade (c) 1x 23' Cord (d) 3x Pinch Hooks (e) 1x Round Hooks (f) 2x Double Cord Crimps (g) Mounting
3. Lamp to be SORAA Vivid BR30 SB30-11-120D-930-01-04218
4. Pinch Hook to be Color Cord PHK-100-998.
5. Round Hook to be Color Cord PHK-110-998.
6. Double Cord Crimp to be ElecDirect.com Copper Alloy Split Bolt Connector S/2/0
7. Lamps shade to be BASELIGHT CS12. Add Alternate COS12. Add Alternate WE14.
8. Mounting to be Damp Rated BASELIGHT LWTM.
9. 23' Cord by BASELIGHT, architect to specify finish.

ARUP

Project Number: 271565
 Phone: 1 212 896 3000

COLOR CORD COMPANY

Contact: 1-800-409-1070 or info@colorcord.com

Round Swag Hook / Raw Metal

Price: \$12.00 - Item Number:
PHK-110-998

Overview

The Round Swag Hook from Color Cord Company offers you a tried and true method for altering the shape of your hanging light fixtures and plug-in pendants with a little extra sass and swag. This round hook is an exclusive design created by the Color Cord team that isn't available anywhere else. Since most of our fixtures don't come with a hook for hanging the light included, make sure you add a few to your cart in the perfect color for your space. How to Use Our round hooks are easy to use and install as long as you follow all of our recommendations and directions. If your support structure is mounted directly on a ceiling-joint or other wood piece, the hooks can be screwed directly into the material. For drywall mounting, please use the anchor included in the hook set. All other materials, including plaster, concrete, or brick, need to be installed with the help of a professional. Reach out to your local hardware store for advice on finding the right screw and anchor that your project would require. Selection & Customization Color Cord Company is all about providing you with the tools to customize everything about your lighting fixtures. Our hooks are no different and are available in a variety of finishes including: Polished Copper Solid Raw Brass Brushed Nickel Raw Metal Matte White Matte Black. If you're looking at one of our raw metal finishes, please note that these styles will oxidize and rust. The intention is to allow them to blend seamlessly with any upcycled, industrial-style enhancements to your space. Our raw finishes are also the ideal choice for anyone who wants to paint these round hooks in a specific color. Simply sand the hook and apply the paint of your choice. Shop all our lighting supplies today to mix and match our accessories and design the perfect creation!

Technical Specs

- Exclusive Color Cord Company design
- Overall Height: 2 3/8"
- Overall Width: 1 1/2"
- Internal Width at Widest Point: 1"
- Max Weight Load: 10 Lbs. with Included Anchor
- Mini Set Screw to Secure Hook to Backplate
- Comes with hook, backplate, #6 wood screw & Anchor, Allen Key

Type:

AP01

Page 2 of 19

ARUP

Project Number: 271565
Phone: 1 212 896 3000

COLOR CORD COMPANY

Contact: 1-800-409-1070 or info@colorcord.com

Type:

AP01

Page 3 of 19

Pinch Swag Hook / Raw MetalPrice: \$15.00 - Item Number:
PHK-100-998**Overview**

Modern Design Hooks for Hanging Lights One of our most popular products, the Pinch Swag Hook is custom-designed to take your lighting fixture to new heights with a sleek finish that will complement your modern fixture design. The hook is specifically designed for our color cords with a quarter-inch opening and a set screw to secure the cord placement and provide some strain relief. Elevate your swag fixture with this modern take on a classic hook for hanging your new lights.

Ease of Use for Walls & Ceilings The ceiling hooks can be mounted directly on wood or ceiling-joint. For mounting on drywall, please be sure to use the included anchor. If the ceiling is made of plaster, brick, or concrete then we recommend that you consult with your local hardware store for assistance. If you are interested in the raw metal finish, please be aware that this style is intended to oxidize and rust to match industrial and upcycled applications. However, this is also the best finish to paint after sanding.

Hooks for Hanging Lights That Match Your Style Whether you want your hook to act as an accent piece with a pop of color or you want it to blend in with your pendant cord, you can choose an option that suits your design tastes. With bold colors and a variety of metal finishes, you can choose the perfect one for your decor. We have colors that look great with all our cord color options. It's easy to find pendant light accessories that match all your design tastes and work perfectly with your cord color choices. If you're looking for classic hooks for hanging lights, be sure to explore all our swag hooks to get the perfect designs for your lamps.

Technical Specs

- Exclusive Color Cord Company design
- 6 different finishes
- Overall Height: 1-27/32in
- Overall Width: 5/8in
- 17/64in opening
- Max weight load: 10 pounds with included anchor
- Features mini set screw to secure hook to backplate
- Additional mini set screw to lock in pendant cord swag position
- Comes with hook, backplate, #6 wood screw and anchor, allen key

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Copper Alloy Split Bolt Connectors

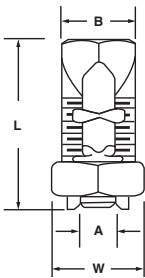
Types S and SEL

- Manufactured from high strength copper alloy - highly resistant to corrosion and season cracking
- For use with a wide range of copper solid, compact, compressed, concentric, copperweld conductors, and rebar
- Approved for electrical power, grounding/bonding, and direct burial applications



Application/Use:

- **Type S** is for use with two conductors in electrical power applications; 2 conductors or conductor to rebar in grounding/bonding and direct burial applications in earth and concrete
- **Type SEL** is for use with two or three conductors in electrical power, grounding/bonding, and direct burial applications in earth and concrete
- DB permanently marked on head for conductor sizes up to 500 kcmil



High Quality Design:

- True hex design allows easy installation with standard tooling
- Under torque, this design provides high contact pressure between conductors or conductor to rebar
- Pressure bar design features give assurance of high “pull-out” and secure connection on all combinations of conductors
- Wide wire range
- Rated for copper conductors, 600 V, 90°C

Installation:

- Use with torque wrench, standard socket, box or open-end wrenches
- Reusable with proper installation practice

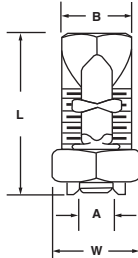
| Test conductor size installed in connector | Tightening torque, N·m (lb·ft) | | | | | | | |
|---|--|----------|---|----------|---|------------|------------------|------------|
| | Slotted head No. 10 and larger* | | | | Hexagonal head – external drive socket wrench | | | |
| | Slot width – 1.2 mm (0.047 in) or less and slot length – 6.4 mm (1/4 in) or less | | Slot width – over 1.2 mm (0.047 in) or slot length – over 6.4 mm (1/4 in) | | Split-bolt connectors | | Other connectors | |
| AWG or kcmil (mm²) | A | B | A | B | A | B | A | B |
| 30 – 10 (0.05 – 5.3) | 1.7 (15) | 2.3 (20) | 2.8 (25) | 4.0 (35) | 7.3 (65) | 9.0 (80) | 6.8 (60) | 8.5 (75) |
| 8 (8.4) | 2.3 (20) | 2.8 (25) | 3.4 (30) | 4.5 (40) | 7.3 (65) | 9.0 (80) | 6.8 (60) | 8.5 (75) |
| 6 – 4 (13.2 – 21.2) | 2.8 (25) | 4.0 (35) | 4.0 (35) | 5.1 (45) | 15.3 (135) | 18.6 (165) | 10.2 (90) | 12.4 (110) |
| 3 (26.7) | 2.8 (25) | 4.0 (35) | 4.5 (40) | 5.6 (50) | 25.4 (225) | 31.1 (275) | 14.1 (125) | 16.9 (150) |
| 2 (33.6) | 3.4 (30) | 4.5 (40) | 4.5 (40) | 5.6 (50) | 25.4 (225) | 31.1 (275) | 14.1 (125) | 16.9 (150) |
| 1 (42.4) | – | – | 4.5 (40) | 5.6 (50) | 25.4 (225) | 31.1 (275) | 14.1 (125) | 16.9 (150) |
| 1/0 – 2/0 (53.5 – 67.4) | – | – | 4.5 (40) | 5.6 (50) | 35.6 (315) | 43.5 (385) | 16.9 (150) | 20.3 (180) |
| 3/0 – 4/0 (85.0 – 107.2) | – | – | 4.5 (40) | 5.6 (50) | 45.2 (400) | 56.5 (500) | 22.6 (200) | 28.2 (250) |
| 250 – 350 (127 – 177) | – | – | 4.5 (40) | 5.6 (50) | 62.1 (550) | 73.4 (650) | 28.2 (250) | 36.7 (325) |
| 400 (203) | – | – | 4.5 (40) | 5.6 (50) | 76.3 (675) | 93.2 (825) | 28.2 (250) | 36.7 (325) |

Continued on next page...

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Phone: 1 212 896 3000



Type S - Two Conductors

| CATALOG NUMBER | RANGE OF EQUAL RUN & TAP | MIN. TAP W/ ONE MAX. MAIN | MAX. CONDUCTOR COPPERWELD | | UL ONLY REBAR W/ 6 OR 8 AWG | APPROXIMATE DIMENSIONS (IN.) | | | | TORQUE (IN-LBS) |
|----------------|--------------------------|---------------------------|---------------------------|--------|-----------------------------|------------------------------|------|------|------|-----------------|
| | | | STR. | TYPE A | | L | W | B | A | |
| S-10* | 16 Str. - 10 Str. | 16 Str. | - | - | - | .72 | .50 | .34 | .13 | 80 |
| S-8* | 16 Str. - 8 Str. | 16 Str. | - | - | - | .84 | .50 | .38 | .15 | 80 |
| S-6* | 10 Sol. - 6 Sol. | 16 Sol. | - | - | - | 1.05 | .63 | .50 | .17 | 165 |
| S-4* | 8 Sol. - 4 Sol. | 16 Sol. | 3 No. 12 | 8A | - | 1.05 | .69 | .56 | .22 | 165 |
| S-3* | 6 Sol. - 2 Sol. | 12 Sol. | 3 No. 9 | 5A | - | 1.32 | .81 | .69 | .33 | 275 |
| S-2* | 6 Sol. - 2 Str. | 14 Str. | 3 No. 7 | 3A | - | 1.32 | .81 | .69 | .33 | 275 |
| S-1/0* | 4 Sol. - 1/0 Str. | 14 Sol. | 3 No. 6 | 2A | - | 1.64 | .88 | .75 | .38 | 385 |
| S-2/0 | 2 Sol. - 2/0 Str. | 14 Str. | 3 No. 5 | - | #3 (3/8) | 1.82 | 1.00 | .81 | .42 | 385 |
| S-3/0 | 2 Sol. - 3/0 Str. | 12 Sol. | 7 No. 7 | - | - | 2.00 | 1.13 | .88 | .47 | 500 |
| S-4/0-250 | 1/0 Sol. - 250 kcmil | 10 Sol. | 7 No. 5 | - | #4 (1/2) | 2.08 | 1.31 | 1.00 | .58 | 650 |
| S-350+ | 4/0 Str. - 350 kcmil | 8 Sol. | 19 No. 7 | - | #5 (5/8) | 2.63 | 1.63 | 1.50 | .75 | 650 |
| S-500+ | 250 - 500 kcmil | 8 Sol. | 19 No. 6 | - | #6 (3/4) | 3.00 | 1.81 | 1.63 | .83 | 825 |
| S-750++ | 350 - 750 kcmil | 8 Sol. | 19 No. 5 | - | - | 3.75 | 2.13 | 1.94 | 1.03 | 1000 |
| S-1000++ | 500 - 1000 kcmil | 8 Sol. | - | - | - | 4.00 | 2.50 | 2.25 | 1.22 | 1100 |

+UL Only Grounding, Bonding, Direct Burial (350 & 500)

++Not Approved Grounding, Bonding, Direct Burial

* RUS REA Accepted

Type SEL - Two or Three Conductors



| CATALOG NUMBER | RANGE OF EQUAL RUN & TAP | MIN. TAP W/ ONE MAX. MAIN | MAX. CONDUCTOR COPPERWELD | | APPROXIMATE DIMENSIONS (IN.) | | | | TORQUE (IN-LBS) |
|----------------|--------------------------|---------------------------|---------------------------|--------|------------------------------|-----|-----|-----|-----------------|
| | | | STR. | TYPE A | L | W | B | A | |
| SEL-8* | 16 Str. - 8 Str. | 16 Str. | - | - | .84 | .50 | .38 | .14 | 80 |
| SEL-6* | 10 Sol. - 6 Sol. | 16 Sol. | - | - | 1.09 | .63 | .50 | .17 | 165 |
| SEL-4* | 8 Sol. - 4 Sol. | 16 Sol. | 3 No. 12 | 8A | 1.27 | .69 | .56 | .22 | 165 |
| SEL-2* | 6 Sol. - 2 Str. | 14 Str. | 3 No. 7 | 3A | 1.55 | .81 | .69 | .33 | 275 |

| CONNECTOR TYPE | POWER | UL-467 GROUNDING | | | CSA C22.2 NO. 41 GROUNDING | | |
|----------------|--------------------------------------|------------------------|---------------------|---------------------|----------------------------|---------------------|---------------|
| | UL 486A-8 CSA 22.2 NO. 65 WIRE RANGE | UL GROUNDING MAX. WIRE | GROUNDING & BONDING | DIRECT BURIAL REBAR | CSA GROUNDING MAX. WIRE | GROUNDING & BONDING | DIRECT BURIAL |
| S SEL | 16 Str. - 1000 kcmil | 500 kcmil | Yes | Yes | 250 kcmil | Yes | Yes |

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ARUP

Project Number: 271565

Phone: 1 212 896 3000

SORAA vivid™



OUR LIGHT IS PERFECT BECAUSE WE INVENTED IT TO BE
We design the smallest sources and pair them with our unique full spectrum technology, for perfect color and light distribution in a range of lamp form factors.

SORAA VIVID COLOR™

Soraa lamps provide beautiful and accurate color rendering across the entire visible spectrum, with CRI/95, R9/95, Rf/90, Rg/100

SORAA NATURAL WHITE™

Soraa lamps clearly differentiate infinite shades of white; whiteness rendering matches or exceeds halogen and incandescent sources at 2700K and 3000K.

FLICKER

Soraa lamps demonstrate low levels of flicker, achieving <30% flicker in both dimmed and undimmed states.

THERMALLY COMPATIBLE

Suitable for use in fully enclosed fixtures, subject to the maximum heatsink temperature limits stated in this data sheet. A list of qualified enclosed fixtures can be found at www.soraa.com/resources. Soraa lamps are designed to safely turn down in any thermal environment not conducive to minimum airflow or proper ventilation.

ELECTRICALLY COMPATIBLE

Works with trailing edge and leading edge phase cut dimmers. A list of compatible dimmers and transformers can be found at www.soraa.com/resources/compatibility.

LOCATION RATING

Suitable for damp locations
Not rated for use in wet locations, should not be exposed to liquid water (including condensation).

BR30 11.5W

HIGH COLOR QUALITY, ENCLOSED FIXTURE COMPATIBLE LED LAMP FOR USE IN BR30 COMPATIBLE DOWNLIGHTS AND OTHER INDOOR AND OUTDOOR APPLICATIONS

OUTPUT RANGE 725 – 750 lumen

BEAM ANGLE 120°

COLOR METRICS CCTs: 2700K, 3000K
Color Rendering
CIE Metrics: CRI 95, R9 95
TM30 Metrics: Rf 90, Rfh1 90
Whiteness Index: Rw 100

APPLICATION Halogen replacement for indoor and outdoor applications



vivid color



whites



flicker



dimmable



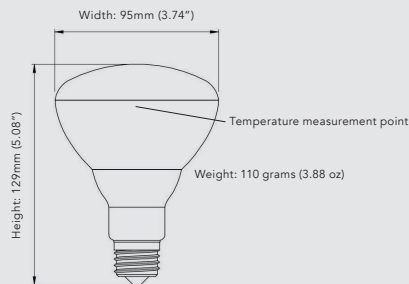
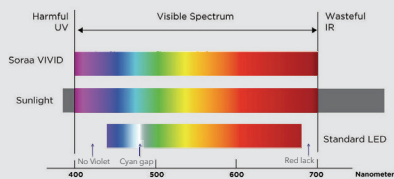
120V AC



E26



damp rated

FORM FACTOR**COLOR RENDERING****LIFETIME AND WARRANTY**

Rated lifetime to L70: 25,000 hours
Warranty: 3 years or 25,000 hours whichever comes first
Detailed warranty information available at:
soraa.com/resources/legal

SORAA®
SIMPLY PERFECT LIGHT

Type:

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SORAA vivid™

BR30 11.5W

Type:

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OPERATING TEMPERATURE

Minimum: -40° C (ambient)
 Typical: 65° C - 80° C (lamp base)
 Maximum: 90° C (lamp base)

ELECTRICAL SPECIFICATIONS

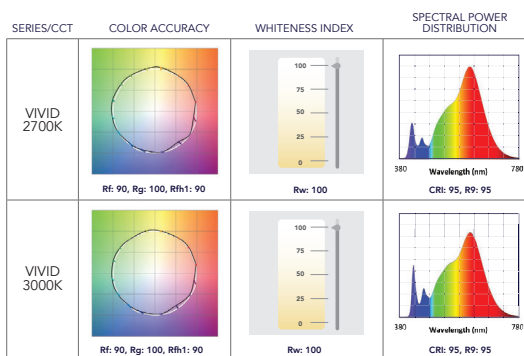
Wattage: 11.5W
 Voltage: 120V +/- 12V
 Frequency: 50/60 Hz
 Power Factor: 0.95

DIMMING AND FLICKER

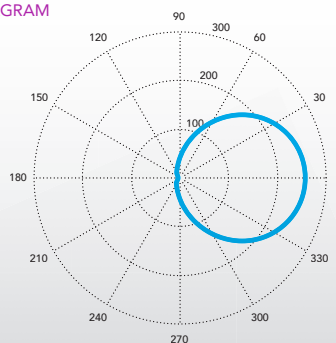
T24/JA8 compliant.
 Please reference our compatibility chart
 for dimmer and transformer information.

CERTIFICATIONS

UL/CUL
 FCC Title 47 Part 15B
 RoHS



POLAR DIAGRAM



| Model Number | Product Code | CCT (K) | Total Flux (Lm) | Beam Angle (°) | Halogen Equiv (W)** | Efficacy (Lm/W) | CRI/R9 | Rf | White Point (McA) |
|--------------|--------------|---------|-----------------|----------------|---------------------|-----------------|--------|----|-------------------|
|--------------|--------------|---------|-----------------|----------------|---------------------|-----------------|--------|----|-------------------|

VIVID SERIES

| | | | | | | | | | |
|---------------------|-------|------|-----|-----|----|----|---------|----|---|
| SB30-11-120D-927-01 | 04216 | 2700 | 725 | 120 | 65 | 62 | 95 / 95 | 90 | 3 |
| SB30-11-120D-930-01 | 04218 | 3000 | 750 | 120 | 65 | 65 | 95 / 95 | 90 | 3 |

*Specifications are at stable warm operating conditions (25°C ambient) **Energy Star Minimum
 CCT = Correlated Color Temperature CRI = Color Rendering Index (Ra-8) White Point = White Point Accuracy in McA step



SORAA
 SIMPLY PERFECT LIGHT

Information and specifications subject to change. BR30 11.5W Rev 2 4.2.19
 Soraa Inc. 6500 Kaiser Drive, Suite 110, Fremont, CA 94555 www.soraa.com

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BASELITE RLM CATALOG

PROJECT NAME: _____
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AP01

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NOTES:

*SKIP SECTION IF OPTION DOES NOT APPLY

| MODEL # | / | / | / | / | / | / | / | / | / | / | / | / |
|----------|------|----|-----|-------|----|-----|----|-----|------|----|--------|---|
| EXAMPLE: | A | B | C | D | E | F | G | H | I | J | K | |
| | W512 | 41 | E16 | SQ ½" | 43 | 45W | 3K | PR3 | GR16 | 44 | LDM120 | |

A - SHADES

SATURNFL3
FL4ATOMICAT16 JI14
AT18 JI24ORBITORORB14 ORF19
ORB19 ORW12
ORF14HAVENHVF18 HV20
HV15 HV108
HV16 3HV108URBANUR10 URW16
UR14 URW18
UR16 URW20MONTEREYPH16
PHC16SH16SUNDANCESP402 WE18
SP403 BH16WE14SEDONACS12 CSP14
CS14 CS16CSP12COSMOCO6 COS12
CO7 CO15
CO8 COS16CO10CRAFTSMANCR13CR20ASTROAS116AS120AS24AST24

B - FINISH OPTIONS

16-DISTRESSED TURQUOISE
17-DISTRESSED CHALK
18-MINT GREEN
19-ANTIQUE ALUMINUM*
19P-ANTIQUE ALUMINUM
20-RAW BRASS
20P-BRASS
20PB-POLISHED BRASS
20SB-SATIN BRASS
21-OIL RUBBED BRONZE*
21P-OIL RUBBED BRONZE
22-OLD PEWTER*
22P-OLD PEWTER PC
23-OLD COPPER PATINA*
23P-OLD COPPER PATINA
38-COPPER TINT
39-RAW COPPER
40-COPPER CLEAR COAT
41-GLOSS BLACK
41.5-MATTE BLACK
42-DARK GREEN
43-RED
44-WHITE
45-MEDIUM BLUE
46-YELLOW
48-POLISHED ALUMINUM
49-GALVANIZED
50-NAVY BLUE
51-ARCHITECTURAL BRONZE
52-PATINA
53-RUST
54-STUCCO
55-SAGE
57-POLISHED ALUMINUM CC
58-SATIN ALUMINUM
59-COPPER TONE
60-CANAL GREEN
61-ANODIZED CHARCOAL
62-ANODIZED BRONZE
63-IRON RUST
64-WROUGHT IRON
65-TERRACOTTA
66-BARK
70-TRANSPARENT RED
71-TRANSPARENT GREEN
72-TRANSPARENT WINE
73-TRANSPARENT NAVY
74-GUN METAL
75-DISTRESSED RED
76-DISTRESSED BLUE

B - FINISH OPTIONS (CONT.)

77-DISTRESSED GREEN
78-CHALKBOARD BLACK
79-GHOST ORANGE
80-PALE GOLD
81-METALLIC BRONZE
82-BLACK GOLD
83-SHOCKER GREEN
84-FADDED BLUE
85-COBBLESTONE
86-BRONZE COPPER
87-CHAMPAGNE
88-FLAMED STEEL
89-TAUPE
90-LIME GREEN
91-PACIFIC PINE
92-ANTIQUE GALVANIZED
93-FADDED COPPER
94-ANODIZED ALUMINUM
95-TURQUOISE
96-PURPLE
97-BATTLESHIP GREY
98-BLACKENED PIPE
99-STEEL
100-OLD STEEL
PN-POLISHED NICKEL
-(MG) MARINE GRADE FINISH-
AVAILABLE UPON REQUEST.

C - MOUNTING

½" ARM EXTENSIONSE1 E4
E2 B1¾" ARM EXTENSIONS

| | | |
|-----|------|------|
| E3A | E10 | E17 |
| E4A | E11 | E17S |
| E5 | E12 | E18 |
| E6 | E13 | E19 |
| E7 | E15 | E20 |
| E8 | E15S | E22 |
| E9 | E16 | |

E14 - CREATE YOUR OWN
(BASELITE WILL TAKE YOUR
SKETCH AND FABRICATE A
CUSTOM ARM EXTENSION TO
MEET YOUR NEEDS).

*ALL ARMS SOLD WITH
CAST BACKPLATE (CB)

C - MOUNTING (CONT.)

WALL MOUNT

| | | |
|-------|-------|-------|
| B10 | WM13X | WM31 |
| B11 | WM14 | WM35 |
| B12 | WM14X | WM35X |
| B13 | WM15 | WM55 |
| B101 | WM18 | WM55X |
| WM10 | WM25 | WM60 |
| WM11 | WM26 | WM61 |
| WM12 | WM27 | WM70 |
| WM13 | WM28 | WM71 |
| WM13R | WM30 | |

POST MOUNT

| | |
|------|------|
| PM10 | PM55 |
| PM15 | PM56 |
| PM18 | PM60 |
| PM20 | PM61 |
| PM21 | PM62 |
| PM25 | PM63 |
| PM30 | PM70 |
| PM35 | PM71 |
| PM40 | PM72 |
| PM45 | PM73 |
| PM50 | |

CORD MOUNT

| | | |
|------|-----|------|
| BLC | TLB | RCHB |
| WHC | TLW | RCHW |
| TCB | TLB | FHB |
| TCW | TLW | HBLC |
| TCHB | RCB | HWHC |
| TCHW | RCW | CBLC |
| | | CWHC |

STEM MOUNT

| | |
|------|------|
| ST6 | ST48 |
| ST12 | DP24 |
| ST18 | SC24 |
| ST24 | STXX |
| ST36 | |

D - MOUNTING ADD-ONS

| | | |
|--------|--------|-------|
| TRB ½" | SLC ½" | LGSWL |
| TRB ¾" | SLC ¾" | |
| SQ ½" | STC | |
| SW ¾" | FH ½" | |
| CB ½" | FH ¾" | |
| CB ¾" | SWL | |

E - MOUNTING COLOR

SEE SECTION "B" FOR COLOR
OPTIONS.

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BASELITE RLM CATALOG

PROJECT NAME: _____
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F – LIGHT SOURCE

INCANDESCENT (INC)
100W
150W
200W
300W
COMPACT FLOURESCENT (CF)
26W
32W
42W
57W
HIGH INTENSITY DISCHARGE (HID)
35W 100W
50W 150W
70W 175W
LIGHT EMITTED DIODE (LED)
12W 45W
25W 75W
35W 100W

G – LED COLOR TEMP

(ONLY APPLICABLE FOR LED LIGHT SOURCE. SKIP THIS SECTION IF OPTION DOES NOT APPLY.)
27K – 2700 K*
3K – 3000 K
35K – 3500 K
4K – 4000 K
5K – 5000 K*

H – GLASS OPTION

| | | |
|------|------|------|
| CL3 | GR3* | PR3 |
| CL4 | GR4* | PR4 |
| CLT3 | AH3* | BA |
| CLT4 | AH4* | BAX |
| BL3* | FR3 | BAF |
| BL4* | FR4 | PR8 |
| RE3* | FRT3 | PR8F |
| RE4* | FRT4 | FN |

I - ACCESSORIES

| | | |
|------|-------|-------|
| GR7 | CGR | FGR7 |
| GR8 | LGR10 | FGR8 |
| GR10 | LGR12 | FGR10 |
| GR12 | LGR14 | FGR12 |
| GR14 | CRL12 | FGR14 |
| GR16 | CRL14 | FGR16 |
| GR18 | CRL16 | FGR18 |
| GR20 | CRL18 | FGR20 |
| GR24 | FLE12 | FGR24 |
| GR27 | FLE14 | FGR27 |
| REF | FLE16 | GU-1 |
| UGR | FLE18 | GU-2 |

J – ACCESSORY COLOR

SEE SECTION "B" FOR COLOR OPTIONS.

K – ELECTRICAL

CDM7-120/277
CDM10-120
CDM10-277
LDM120
LDM277
LDM0-10
PHCL120
PHCL277
FS – FUSING
EM – EMERGENCY BALLAST
BRC – BALLAST RETAINER CHAIN

NOTES

- *ALL ARMS COME WITH A CAST BACKPLATE (CB1/2", CB3/4", LWTM, CFWTM, ECT.)
- *ACCORDING TO THE LIGHT SOURCE THE BACKPLATE MAY VARY IN SIZE. (EXAMPLE: LED LIGHT SOURCE WILL HAVE A DEEPER BACKPLATE TO HOUSE THE DRIVER.)
- *FINISH OPTIONS 20, 21, 22, 23 ARE FOR SOLID BRASS FIXTURES ONLY
- *FINISH OPTIONS 19, 21, 22, 23 ARE AN ACID FINISH AND IS APPLIED BY HAND. THESE FINISHES WILL VARY IN CONSISTENCY.
- *FINISH OPTIONS 61, 62, 70, 71, 72, 73 ARE FINISHED WITH A SUPERCHROME ON THE INSIDE FOR ALL LED LIGHTSOURCE OPTIONS.
- *GLASS OPTIONS BL3, BL4, RE3, RE4, GR3, GR4, AH3, AH4 ARE NOT AVAILABLE FOR H.I.D. LIGHT SOURCE.
- *27K AND 5K ARE NOT COMPATIBLE WITH 75W & 100W LED OPTION.
- *COLOR CORDS ARE NOT APPLICABLE FOR LED OPTIONS.
- *FIXTURE DIMENSIONS MAY VARY ± 0.25

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PROJECT TYPE: _____

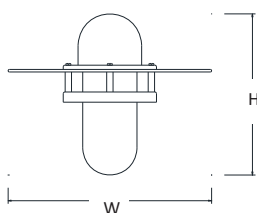
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AP01

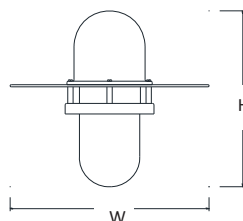
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BASELITE'S SHADES ARE CONSTRUCTED FROM A HEAVY GAUGE 1100-0 ALUMINUM AND ARE HAND SPUN IN OUR OWN FACILITY HERE IN THE U.S.A. EACH SHADE IS SPUN ONE AT A TIME TO ENSURE A QUALITY PRODUCT. THE ALUMINUM USED RANGES FROM .050" TO .125" IN THICKNESS DEPENDING ON THE SHADE.

SATURN SHADE SERIES

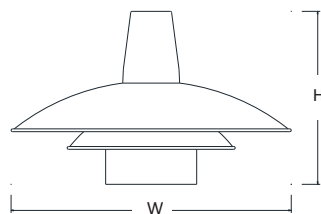


| | HEIGHT | WIDTH |
|------------|--------|-------|
| FL3 | 9.5" | 12" |

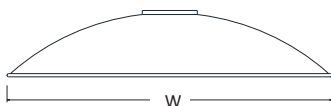


| | HEIGHT | WIDTH |
|------------|--------|-------|
| FL4 | 12.5" | 14" |

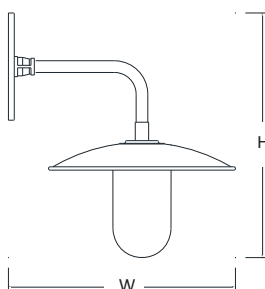
ATOMIC SHADE SERIES



| | HEIGHT | WIDTH |
|-------------|--------|-------|
| AT16 | 13" | 16" |
| AT18 | 13" | 18" |
| AT20 | 13" | 20" |

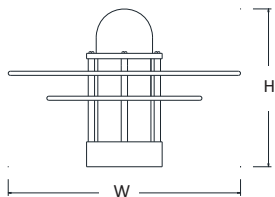


| | HEIGHT | WIDTH |
|-------------|--------|-------|
| JI24 | 5" | 24" |

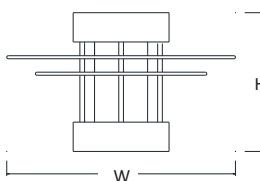


| | HEIGHT | WIDTH |
|-------------|--------|-------|
| JI14 | 18.25" | 17" |

ORBITOR SHADE SERIES



| | HEIGHT | WIDTH |
|--------------|--------|-------|
| ORB14 | 9.5" | 14" |
| ORB19 | 12" | 19" |



| | HEIGHT | WIDTH |
|--------------|--------|-------|
| ORF14 | 9" | 14" |
| ORF19 | 11.25" | 19" |

P.3

BASELITE CORPORATION 12260 EAST END AVE. CHINO, CA 91710 PH: 909-548-4554 FAX: 909-548-4774 EMAIL: SALES@BASELITE.COM WEBSITE: WWW.BASELITE.COM

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ARUP

Project Number: 271565
Phone: 1 212 896 3000



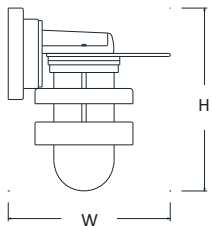
BASELITE RLM CATALOG

PROJECT NAME: _____
PROJECT TYPE: _____

Type: **AP01**
Page 11 of 19

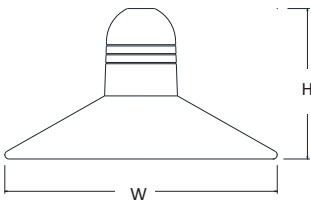
A – SHADES (CONTINUED)

ORBITOR SHADE SERIES

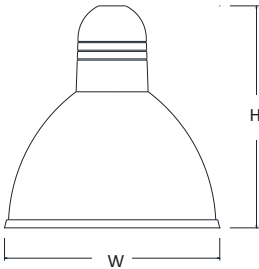


ORW12 HEIGHT 12" WIDTH 10.75"

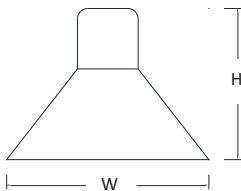
HAVEN SHADE SERIES



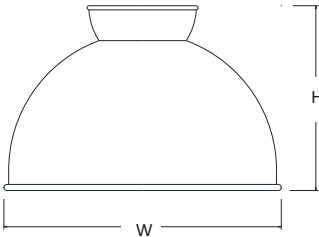
HEIGHT WIDTH
HV15 11" 15"
HV20 11" 20"



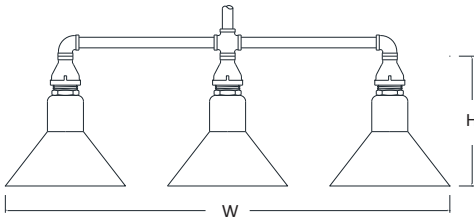
HEIGHT WIDTH
HV16 16.5" 16"



HEIGHT WIDTH
HV108 7.5" 10"



HEIGHT WIDTH
HVF18 12" 18"



HEIGHT WIDTH
3HV108 10.75" 37"

*FIXTURE COMES AS SHOWN. SEE BELOW FOR OPTIONS.
*CHOOSE COLOR (SEE SECTION B).
*CHOOSE GLASS OPTION (SEE SECTION H).

| | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|
| MODEL # | x | / | / | x | / | / | x | / | / | x |
| | A | B | C | D | E | F | G | H | I | |

ARUP
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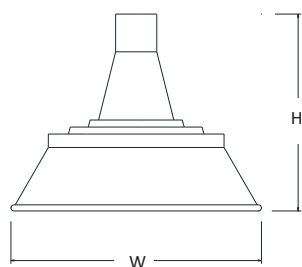
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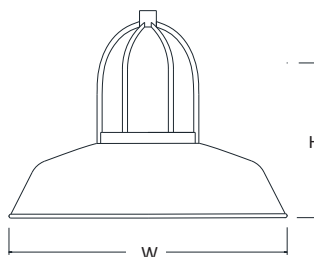
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A – SHADES (CONTINUED)

URBAN SHADE SERIES

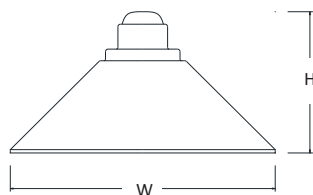


| | HEIGHT | WIDTH |
|-------------|--------|-------|
| UR10 | 10.75" | 10" |
| UR14 | 11" | 14" |
| UR16 | 11" | 16" |

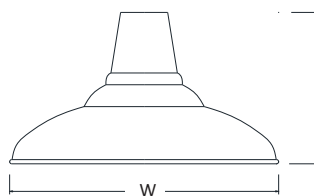


| | HEIGHT | WIDTH |
|--------------|--------|-------|
| URW16 | 12" | 16" |
| URW18 | 12" | 18" |
| URW20 | 15.5" | 20" |

MONTEREY SHADE SERIES

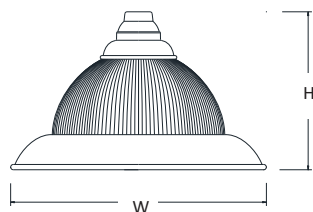


| | HEIGHT | WIDTH |
|--------------|--------|-------|
| PH16 | 9" | 16" |
| PHC16 | 9" | 16" |

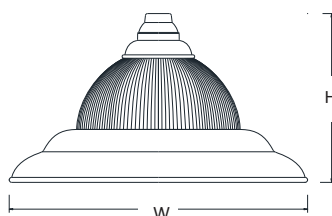


| | HEIGHT | WIDTH |
|-------------|--------|-------|
| SH16 | 9" | 16" |

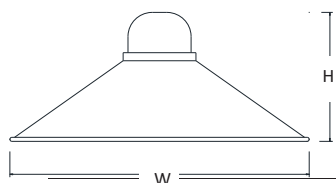
SUNDANCE SHADE SERIES



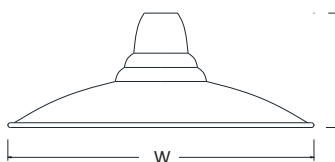
| | HEIGHT | WIDTH |
|--------------|--------|-------|
| SP402 | 7.5" | 12" |



| | HEIGHT | WIDTH |
|--------------|--------|-------|
| SP403 | 8.5" | 15" |



| | HEIGHT | WIDTH |
|-------------|--------|-------|
| WE14 | 6" | 14" |
| WE18 | 8" | 18.5" |



| | HEIGHT | WIDTH |
|-------------|--------|-------|
| BH16 | 6" | 16" |

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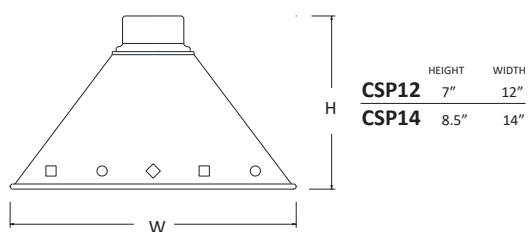
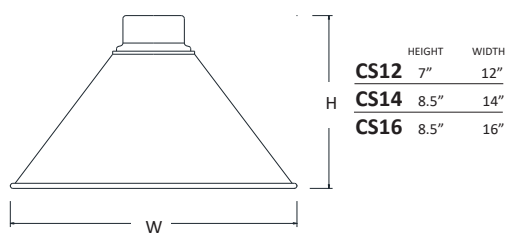
Type:

AP01

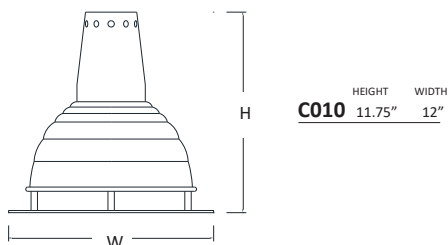
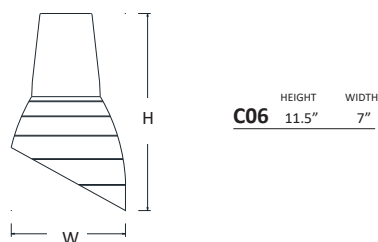
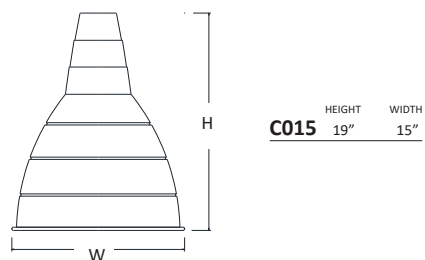
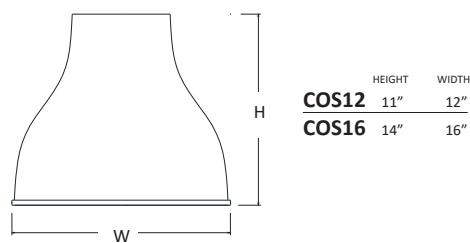
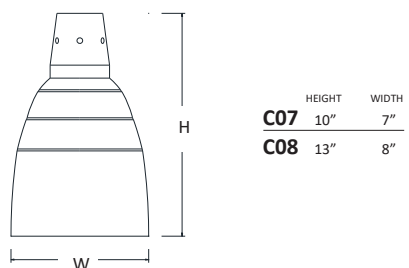
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A – SHADES (CONTINUED)

SEDONA SHADE SERIES



COSMO SHADE SERIES



ARUP

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BASELITE RLM CATALOG

PROJECT NAME: _____
PROJECT TYPE: _____

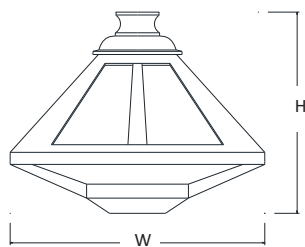
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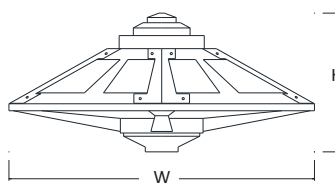
Page 14 of 19

A – SHADES (CONTINUED)

CRAFTSMAN SHADE SERIES

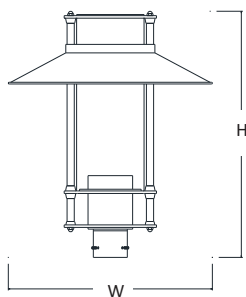


CR13 HEIGHT 12" WIDTH 13"

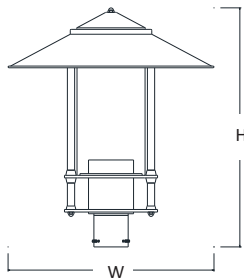


CR20 HEIGHT 12.5" WIDTH 28"

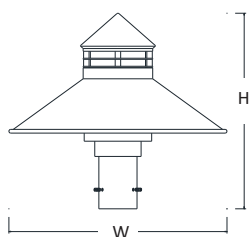
ASTRO SHADE SERIES



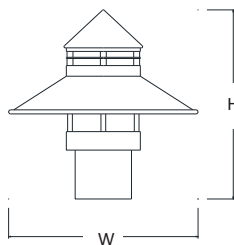
AST24 HEIGHT 29" WIDTH 24"



AS24 HEIGHT 29" WIDTH 24"



AS120 HEIGHT 18" WIDTH 20"



AS116 HEIGHT 16" WIDTH 16"

ARUP

Project Number: 271565
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BASELITE RLM CATALOG

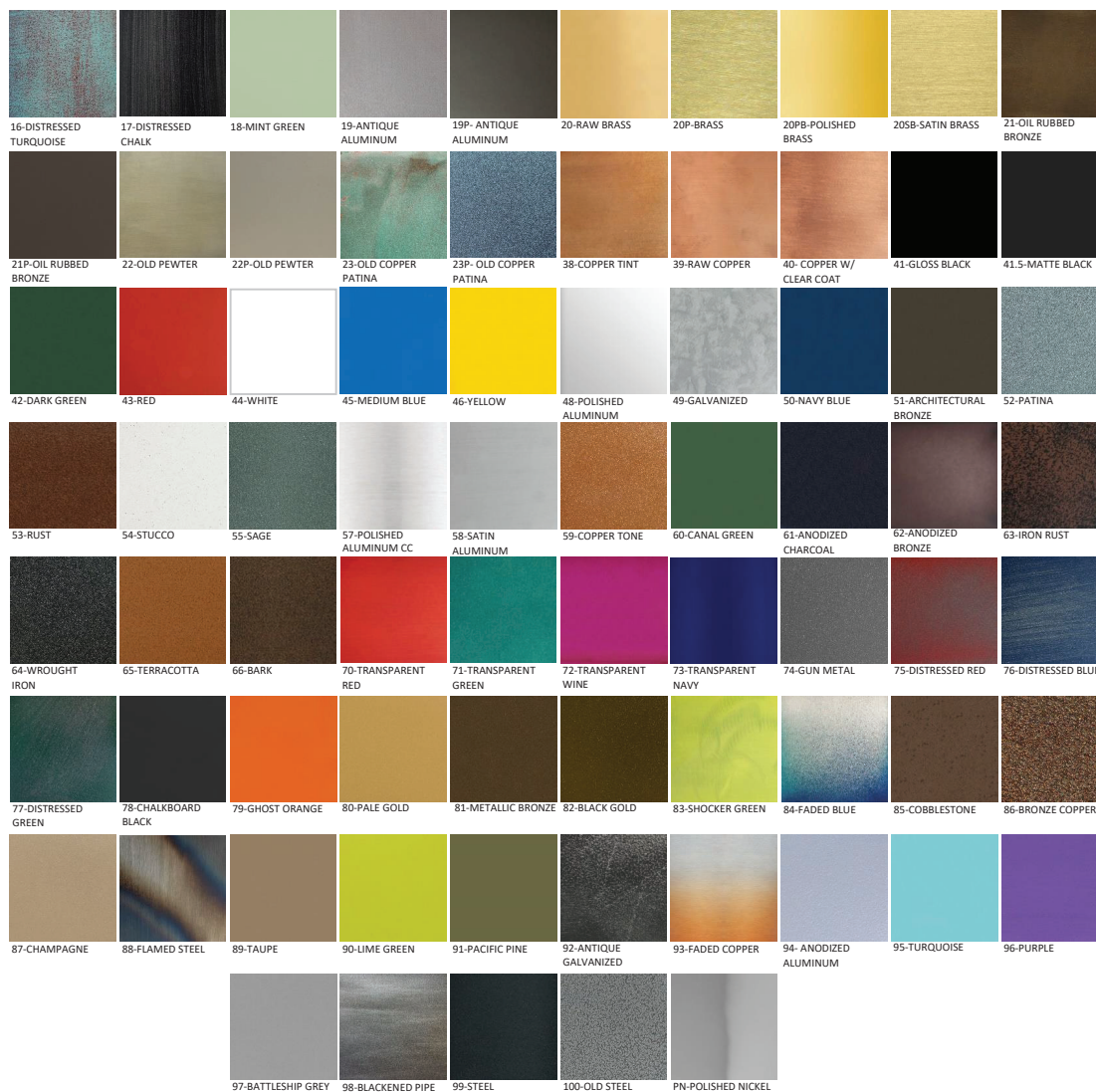
PROJECT NAME: _____
PROJECT TYPE: _____

Type:

AP01

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B – FINISH OPTIONS



B – FINISH OPTIONS NOTES

- *FINISH OPTIONS # 19,20, 20P, 20PB, 20SB, 21, 22, 23, 38, 39, 40, 48, 49, 54, 57, 58, 61, 62, 63, 70, 71, 72, 73, 78, 83, 84, 88, 92, 93, 98 ARE THE SAME COLOR INSIDE AND OUT OF THE FIXTURE.
- *ALL OTHER FINISH OPTIONS COME STANDARD WITH WHITE ON THE INSIDE UNLESS SPECIAL REQUEST IS SPECIFIED.
- *FINISH OPTION # 88 ONLY APPLIES TO SPECIFIC FIXTURES, CALL FOR MORE DETAILS.
- *FINISH OPTIONS ON THIS SPEC SHEET ARE REPRESENTATIVE ONLY AND MAY VARY SLIGHTLY FROM THE ACTUAL COLOR.

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PROJECT NAME: _____
PROJECT TYPE: _____

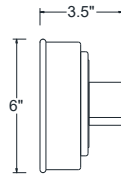
Type:

AP01

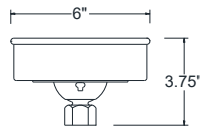
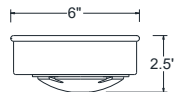
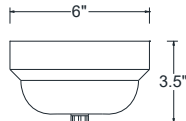
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C - MOUNTING OPTIONS (CONTINUED)

COMPACT FLUORESCENT/LED

COMPACT FLUORESCENT*LIGHT SOURCE 26, 32 or 42W PL-T 4-PIN
*DISTANCE TO LAMP 10'**LED***LIGHT SOURCE 10W -100W
*DISTANCE TO LAMP 10'**CFWTMPL-T** Weathertight CF Wall Mount Ballast*DESIGNED FOR OUTDOOR USE OR WET LOCATIONS
*ALLOWS STARTING OPERATION DOWN TO 20 C**LWTM** Weathertight LED Wall Mount

*DESIGNED FOR OUTDOOR USE OR WET LOCATIONS

CFSLCPL-T CF Slope Ceiling Mount Canopy*DESIGNED FOR OUTDOOR USE OR INDOOR USE IN DAMP LOCATIONS
*FOR USE WITH 1/2" OR 3/4" NPT STEMS**LSLC** LED Slope Ceiling Mount Canopy*DESIGNED FOR INDOOR USE OR DAMP LOCATIONS
*FOR USE WITH 1/2" OR 3/4" NPT STEMS**CFSTCPL-T** CF Stem Ceiling Mount Canopy*DESIGNED FOR OUTDOOR USE OR INDOOR USE IN DAMP LOCATIONS
*FOR USE WITH 1/2" NPT STEMS**LSTC** LED Stem Ceiling Mount Canopy*DESIGNED FOR INDOOR USE OR DAMP LOCATIONS
*FOR USE WITH 1/2" NPT STEMS**CFBLCPL-T** CF Black Cord Ceiling Mount Canopy
CFWHCPL-T CF White Cord Ceiling Mount Canopy*DESIGNED FOR INDOOR USE
*AVAILABLE IN WHITE OR BLACK CORD
*MAXIMUM DISTANCE FROM MOUNT TO BALLAST IS 10'**LBLC** LED Black Cord Ceiling Mount Canopy
LWHC LED White Cord Ceiling Mount Canopy*DESIGNED FOR INDOOR USE OR DRY LOCATIONS
*AVAILABLE IN WHITE OR BLACK CORD**NOTES**

* All compact fluorescent housings are made of aluminum and powdered coated * Ballasts are made in the U.S.A. and of the highest quality
 * Available in 26,32,42 Watt 4-pin PL-T with dual voltage, 120 or 277v
 * High Power Factor
 * Mounts to recessed 4" octagonal boxes
 * PL7 and PL13 ballasts are mounted in shade housing
 * 32°F starting temperature for 7W, 13W
 * 0°F starting temperature for 26W, 32W, and 42W

NOTES

* All LED housings are made of aluminum and powdered coated
 * LED's are made in the U.S.A. and of the highest quality
 * Available in 27, 3, 35, 4, 5
 * Constant current or constant voltage available
 * Mounts to recessed 4" octagonal boxes
 * Thermal Adjust
 * Size of canopy / backplate will vary due to wattage size of L.E.D.

ARUP

Project Number: 271565
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PROJECT TYPE: _____

Type:

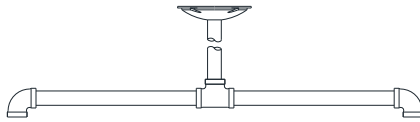
AP01

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C - MOUNTING OPTIONS (CONTINUED)

STEM MOUNTS

*DP24 COMES STANDARD WITH STC AND ST18

**DP24** DOUBLE PENDANT* 1/4" NPT AND 3/4" NPT AVAILABLE
UPON REQUEST**ST(XX)**

STEM- 1/2" NPT

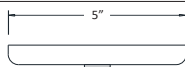
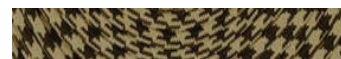
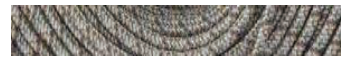
XX = LENGTH OF STEM
(EXAMPLE - "ST18" = STEM MOUNT 18" LENGTH)
*CANOPY NOT INCLUDED, ADD IN SECTION D

*SC24 COMES STANDARD WITH STC

**SC24** SCROLL STEM

COLOR CORD CODES

*COLOR CORDS NOT APPLICABLE FOR LED.

**BKCC** BLACK CLOTH CORD**WCC** WHITE CLOTH CORD**RCC** RED CLOTH CORD**BCC** BLUE CLOTH CORD**OCC** ORANGE CLOTH CORD**PCC** PURPLE CLOTH CORD* CANOPY INCLUDED WITH ANY
CHOICE OF COLOR CORD.
* DESIGNED FOR INDOOR USE OR DRY
LOCATIONS**MCC** MINT CLOTH CORD**NCC** NATURAL CLOTH CORD**SCC** SILVER CLOTH CORD**TCC** TURQUOISE CLOTH CORD**NYCC** NEON YELLOW CLOTH CORD**BZCC** BLACK WHITE ZIG ZAG CLOTH CORD**BHCC** BLACK WHITE HOUNDSTOOTH CLOTH CORD**YHCC** YELLOW BLACK HOUNDSTOOTH CLOTH CORD**BLCC** BLACK LINEN CLOTH CORD**PCCC** PINK CRISS CROSS CLOTH CORD**TSCC** TURQUOISE BROWN STRIPE CLOTH CORD**NTCC** NATURAL TWEED CLOTH CORD

ARUP

Project Number: 271565
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Type:

AP01

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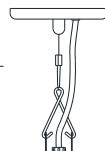
C - MOUNTING OPTIONS (CONTINUED)

CORD MOUNTS

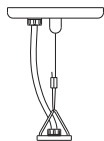
*INCANDESCENT MAX WATTAGE 150 WATT. CALL FACTORY FOR HIGHER WATTAGES. LOOPS, CABLES, AND CHAINS AVAILABLE ONLY FOR INCANDESCENT AND COMPACT FLUORESCENT. FOR LED & COMPACT FLUORESCENT OPTIONS, CANOPIES WILL VARY IN SIZE DUE TO SIZE OF THE DRIVER/BALLAST THAT WILL BE LOCATED INSIDE OF THE CANOPY.



BLC 8' BLACK CORD (INCLUDES CANOPY) INC
WHC 8' WHITE CORD (INCLUDES CANOPY) INC



RCB 8' BLACK CORD, CABLE, and LOOP
RCW 8' WHITE CORD, CABLE, and LOOP



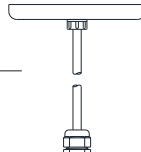
TCB 8' BLACK CORD, CABLE, and LOOP
TCW 8' WHITE CORD, CABLE, and LOOP



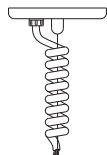
RCHB 8' BLACK CORD, CHAIN, and LOOP
RCHW 8' WHITE CORD, CHAIN, and LOOP



TCHB 8' BLACK CORD, CHAIN, and LOOP
TCHW 8' WHITE CORD, CHAIN, and LOOP



FHB 8' BLACK CORD WITH FLAT HUB
FHW 8' WHITE CORD WITH FLAT HUB



TLB 8' BLACK TELEPHONE CORD AND CABLE
TLW 8' WHITE TELEPHONE CORD AND CABLE

* Not available with compact fluorescent or H.I.D.

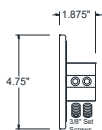


HBLC 8' BLACK CORD (H.I.D.)
HWHC 8' WHITE CORD (H.I.D.)

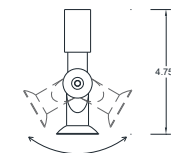
*(Remote ballast shades only)

D - MOUNTING ADD-ONS

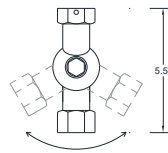
* FOR LED & COMPACT FLUORESCENT OPTIONS, CANOPIES WILL VARY IN SIZE DUE TO SIZE OF THE DRIVER/BALLAST THAT WILL BE LOCATED INSIDE OF THE CANOPY.



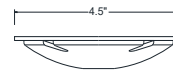
CB 1/2" Cast aluminum backplate 1/2 NPT
CB 3/4" Cast aluminum backplate 3/4 NPT



SWL 1/2" NPT swivel
For all arms 7" wide in diameter or smaller



LGSWL 1/2" NPT swivel
For all arms greater than 7" wide in diameter



STC 1/2" 1/2" Stem mount canopy

ARUP

Project Number: 271565
Phone: 1 212 896 3000



BASELITE RLM CATALOG

PROJECT NAME: _____

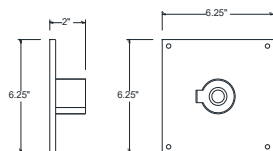
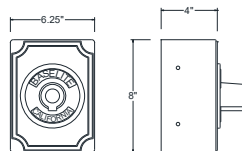
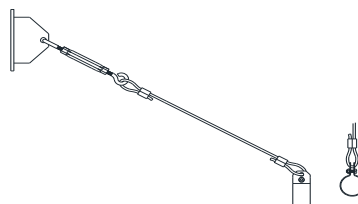
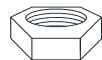
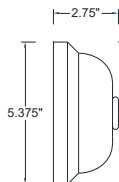
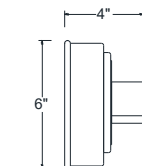
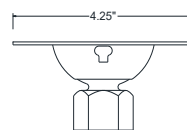
PROJECT TYPE: _____

Type:

AP01

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D - MOUNTING ADD-ONS (CONTINUED)

**SQ 1/2"** Square backplate**SQ 3/4"** Square backplate**INB** Integral Ballast**TRB 1/2"-4' Cable** Support**TRB 3/4"-4' Cable** Support**FH 1/2"** Flat hub 1/2"**FH 3/4"** Flat hub 3/4"**CBC 1/2"** 1/2" Backplate cover**CBC 3/4"** 3/4" Backplate cover**RINB** Round Integral Ballast**SLC 1/2"** Slope ceiling canopy 1/2"**SLC 3/4"** Slope ceiling canopy 3/4"

(SLOPES TO 20 DEGREES)

* Includes slip ring to hold 1/2" or 3/4" arm extension in place

ARUP

Project Number: 271565

Phone: 1 212 896 3000

Manufacturer: BEGA : 22248
Description: Recessed Wall Light

Fixture Wattage: 2 W or W/ft

Lumen Output: 159 lumen/ft

Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 120 V

Fixture Finish: Galvanized, Clear anodized or custom RAL

Lamp CCT: 3000K

Assembly Code: 22248-K3

LED recessed wall - shielded

BEGA

Type:

AW02

Page 1 of 1

Lighting Notes:

1. Finish to be specified by architect.
2. Add alternate: Standard Finish

Application

Designed for low mounting heights for interior and exterior locations, the shielded light distribution is ideal for the glare-free illumination of ground surfaces, building entrances, stairs, and footpaths.

Materials

Luminaire housing and faceplate constructed of die-cast marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
 White safety glass
 High temperature silicone gasket
 Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
 Protection class IP 65
 Weight: 2.2 lbs

Electrical

Operating voltage 120-277V AC
 Minimum start temperature -30°C
 LED module wattage 3.9 W
 System wattage 6.0 W
 Controllability 0-10V dimmable
 Color rendering index $R_a > 90$
 Luminaire lumens 159 lumens (3000K)
 Lifetime at $T_a = 15^{\circ}\text{C}$ $> 500,000$ h (L70)
 Lifetime at $T_a = 45^{\circ}\text{C}$ 172,000 h (L70)

LED color temperature

- ☐ 4000K - Product number + **K4**
☐ 3500K - Product number + **K35**
☒ 3000K - Product number + **K3 (EXPRESS)**
☐ 2700K - Product number + **K27**
☐ Amber - Product number + **AMB**

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

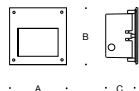
Available colors ☐ Black (BLK) ☐ White (WHT) ☒ RAL:
☐ Bronze (BRZ) ☐ Silver (SLV) ☐ CUS:

Type:

BEGA Product:

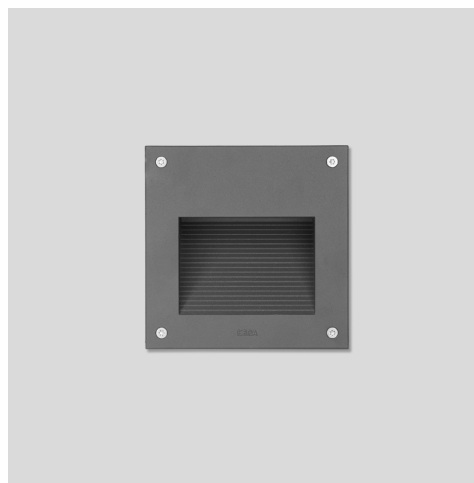
Project:

Modified:



LED recessed wall - shielded

| | LED | A | B | C |
|--------------|-----------------|-----------------|-----------------|-----------------|
| 22272 | ADA 3.9W | 5 $\frac{7}{8}$ | 5 $\frac{7}{8}$ | 4 $\frac{1}{8}$ |



BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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ARUP

Project Number: 271565

Phone: 1 212 896 3000

Manufacturer: iGuzzini : Palco In Out
Description: Surface Mounted Spotlight (Low Voltage)

Fixture Wattage: 9 W
Lumen Output: 653 lumen
Lamp CRI: 90+
Lighting Controls: 0-10V Dimming

Voltage: 24 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: EH97

Palco InOut

Design Artec3 Studio

iGuzzini

Last information update: October 2020

Product configuration: EH97

EH97: Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic

Product code

EH97: Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic

Technical description

Spotlight designed to use LED lamps and a Very Wide Flood optic. The optical assembly and base is made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. 5 mm thick tempered sodium-calcium closing glass. Double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks for rotation on both the vertical axis and horizontal plane. Complete with a monochrome LED circuit and an Opti Beam Reflector optic system. The product includes a PG13.5 cable gland. Electronic On/Off ballast integrated in product. Option of using optic accessories assembled via an accessory holder frame. All external screws used are made of A2 stainless steel.

Installation

Floor, wall, ceiling or ground-installed via pole or stake.

Colour

White (01) | Grey (15)

Weight (Kg)

1.9

Mounting

wall surface | ground spike

Wiring

Double PG.

Complies with EN60598-1 and pertinent regulations

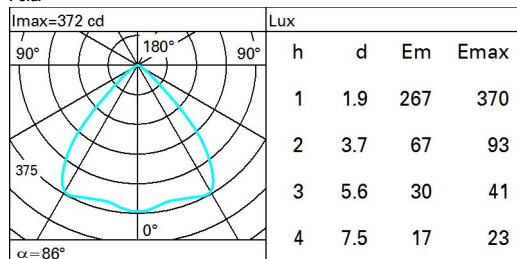


IK07

IP66

**Technical data**

| | | | |
|--|------|---|---|
| Im system: | 653 | Life Time LED 1: | 65,000h - L80 - B10 (Ta 25°C) |
| W system: | 10.9 | Life Time LED 2: | 65,000h - L80 - B10 (Ta 40°C) |
| Im source: | 920 | Ballast losses [W]: | 1.8 |
| W source: | 9.1 | Lamp code: | LED |
| Luminous efficiency (Im/W, 59.9 real value): | | Number of lamps for optical 1 assembly: | |
| Im in emergency mode: | - | ZVEI Code: | LED |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Number of optical assemblies: | 1 |
| Light Output Ratio (L.O.R.) [%]: | 71 | Ambient operating temperature range: | from -20°C to 50°C. |
| Beam angle [°]: | 86° | Lifetime of product at ambient operating temperature: | ≥ 50,000h Ta=40°C |
| CRI: | 80 | Power factor: | See installation instructions |
| Colour temperature [K]: | 3000 | Overvoltage protection: | 2kV Common mode & 1kV Differential mode |
| MacAdam Step: | 2 | Control: | On/off |

Polar**Type:****AWS02**

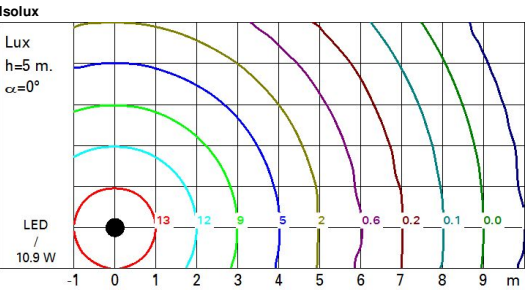
Page 1 of 2

Lighting Notes:

1. Finish to be specified by architect.
2. Add alternate: Standard Finish

ARUPProject Number: 271565
Phone: 1 212 896 3000

EH97_EN 1 / 2

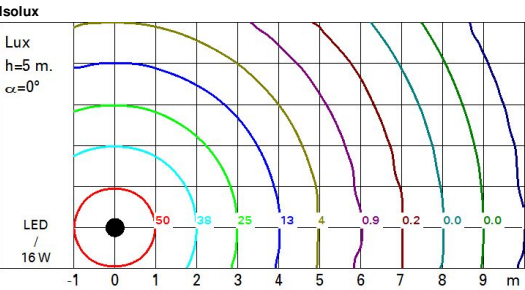


UGR diagram

| Corrected UGR values (at 920 lm bare lamp luminous flux) | | | | | | | | | | | | | | |
|--|------|------------------|------|------|------|-------------|----------------|------|------|------|------|--|--|--|
| Reflect.: | | viewed crosswise | | | | | viewed endwise | | | | | | | |
| ceiling | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | | | |
| walls | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | | | |
| work pl. | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | | | |
| Room dim | | viewed crosswise | | | | | viewed endwise | | | | | | | |
| x y | | | | | | | | | | | | | | |
| 2H | 2H | 23.9 | 24.7 | 24.2 | 24.9 | 25.1 | 23.9 | 24.7 | 24.2 | 24.9 | 25.1 | | | |
| | 3H | 23.8 | 24.5 | 24.1 | 24.7 | 25.0 | 23.8 | 24.5 | 24.1 | 24.7 | 25.0 | | | |
| | 4H | 23.7 | 24.3 | 24.1 | 24.6 | 24.9 | 23.7 | 24.4 | 24.1 | 24.6 | 25.0 | | | |
| | 6H | 23.6 | 24.2 | 24.0 | 24.5 | 24.9 | 23.7 | 24.2 | 24.0 | 24.5 | 24.9 | | | |
| | 8H | 23.6 | 24.1 | 24.0 | 24.5 | 24.8 | 23.6 | 24.2 | 24.0 | 24.5 | 24.8 | | | |
| | 12H | 23.6 | 24.1 | 23.9 | 24.4 | 24.8 | 23.6 | 24.1 | 24.0 | 24.4 | 24.8 | | | |
| 4H | 2H | 23.7 | 24.4 | 24.1 | 24.6 | 25.0 | 23.7 | 24.3 | 24.1 | 24.6 | 24.9 | | | |
| | 3H | 23.6 | 24.1 | 24.0 | 24.5 | 24.8 | 23.6 | 24.1 | 24.0 | 24.5 | 24.8 | | | |
| | 4H | 23.5 | 24.0 | 23.9 | 24.3 | 24.7 | 23.5 | 24.0 | 23.9 | 24.3 | 24.7 | | | |
| | 6H | 23.4 | 23.8 | 23.9 | 24.2 | 24.7 | 23.4 | 23.8 | 23.9 | 24.2 | 24.7 | | | |
| | 8H | 23.4 | 23.8 | 23.8 | 24.2 | 24.6 | 23.4 | 23.8 | 23.8 | 24.2 | 24.6 | | | |
| | 12H | 23.3 | 23.7 | 23.8 | 24.1 | 24.6 | 23.3 | 23.7 | 23.8 | 24.1 | 24.6 | | | |
| 8H | 4H | 23.4 | 23.8 | 23.8 | 24.2 | 24.6 | 23.4 | 23.8 | 23.8 | 24.2 | 24.6 | | | |
| | 6H | 23.3 | 23.6 | 23.8 | 24.0 | 24.5 | 23.3 | 23.6 | 23.8 | 24.0 | 24.5 | | | |
| | 8H | 23.3 | 23.5 | 23.7 | 24.0 | 24.5 | 23.3 | 23.5 | 23.7 | 24.0 | 24.5 | | | |
| | 12H | 23.2 | 23.4 | 23.7 | 23.9 | 24.4 | 23.2 | 23.4 | 23.7 | 23.9 | 24.4 | | | |
| 12H | 4H | 23.3 | 23.7 | 23.8 | 24.1 | 24.6 | 23.3 | 23.7 | 23.8 | 24.1 | 24.6 | | | |
| | 6H | 23.3 | 23.5 | 23.7 | 24.0 | 24.5 | 23.3 | 23.5 | 23.7 | 24.0 | 24.5 | | | |
| | 8H | 23.2 | 23.4 | 23.7 | 23.9 | 24.4 | 23.2 | 23.4 | 23.7 | 23.9 | 24.4 | | | |
| Variations with the observer position at spacing: | | | | | | | | | | | | | | |
| S = | 1.0H | 2.7 / -7.1 | | | | 2.7 / -7.1 | | | | | | | | |
| | 1.5H | 4.8 / -11.5 | | | | 4.8 / -11.5 | | | | | | | | |
| | 2.0H | 6.8 / -13.9 | | | | 6.8 / -13.9 | | | | | | | | |

Type:
AWS02
Page 2 of 2

ARUP
Project Number: 271565
Phone: 1 212 896 3000



UGR diagram

| Corrected UGR values (at 2150 lm bare lamp luminous flux) | | | | | | | | | | | | |
|---|-----|------------------|-------------|------|------|------|----------------|------|------|------|------|--|
| Reflect.: | | viewed crosswise | | | | | viewed endwise | | | | | |
| ceiling | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | |
| walls | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | |
| work pl. | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | |
| Room dim | | viewed crosswise | | | | | viewed endwise | | | | | |
| x y | | | | | | | | | | | | |
| 2H | 2H | 20.1 | 20.9 | 20.4 | 27.1 | 27.3 | 20.1 | 20.9 | 20.4 | 27.1 | 27.3 | |
| | 3H | 20.0 | 20.6 | 20.3 | 20.9 | 27.2 | 20.0 | 20.6 | 20.3 | 20.9 | 27.2 | |
| | 4H | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | |
| | 6H | 25.8 | 20.4 | 20.2 | 20.7 | 27.0 | 25.8 | 20.4 | 20.2 | 20.7 | 27.0 | |
| | 8H | 25.8 | 20.3 | 20.2 | 20.7 | 27.0 | 25.8 | 20.3 | 20.2 | 20.7 | 27.0 | |
| | 12H | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | |
| 4H | 2H | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | |
| | 3H | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | |
| | 4H | 25.7 | 20.1 | 20.1 | 20.5 | 20.9 | 25.7 | 20.1 | 20.1 | 20.5 | 20.9 | |
| | 6H | 25.6 | 20.0 | 20.0 | 20.4 | 20.8 | 25.6 | 20.0 | 20.0 | 20.4 | 20.8 | |
| | 8H | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | |
| | 12H | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | |
| 8H | 4H | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | |
| | 6H | 25.4 | 25.7 | 25.9 | 20.2 | 20.7 | 25.4 | 25.7 | 25.9 | 20.2 | 20.7 | |
| | 8H | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | |
| | 12H | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | |
| 12H | 4H | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | |
| | 6H | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | |
| | 8H | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | |
| Variations with the observer position at spacing: | | | | | | | | | | | | |
| S = | | 1.0H | 3.2 / -10.6 | | | | 3.2 / -10.6 | | | | | |
| | | 1.5H | 5.5 / -23.3 | | | | 5.5 / -23.3 | | | | | |
| | | 2.0H | 7.5 / -25.3 | | | | 7.5 / -25.3 | | | | | |

Type:
AWS03
Page 2 of 2

ARUP
Project Number: 271565
Phone: 1 212 896 3000

Type:

Conservation Building

ARUP

Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: LITHONIA LIGHTING : ZL1N
Description: Surface Mounted Linear

Fixture Wattage: 68 W
Lumen Output: 7470 lumen
Lamp CRI: 90+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Anodized Aluminum
Lamp CCT: 4000K
Assembly Code: ZL1N-L96-SMR-10000LM-SBL-FST-120-40K-90CRI



FEATURES & SPECIFICATIONS

INTENDED USE — Built on the compact, low-profile Z strip channel, this LED strip offers long maintenance-free life, several color temperatures, lumen outputs and lengths. Ideal for new construction and retrofit applications in T5 and T8 lengths. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, cove and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — Compact-design channel and cover are formed from code-gauge cold-rolled steel. Easy to install row aligner included for continuous row mounting.

Finish: Paint options include high-gloss, baked white enamel (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). After fabrication, five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Standard diffuse snap on/snap off lens eliminates pixels, improves uniformity and minimizes glare. L/LENS option available.

ELECTRICAL — L70>60,000hours. Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR... ordering information on page 3.) Electronic LED driver is rated for 75 input watts maximum (see Operational Data on page two for actual wattage consumption), **multi-volt input and 0-10V dimming standard.** This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

LEDs provide nominal 80 CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,000 lumens per foot. In 86°F (30°C) ambient environments. Luminaire should be installed in applications where ambient temperatures do not exceed 86°F (30°C).

INSTALLATION — Tool-less channel cover for easy installation.

Fixture may be surface mounted (with or without ZSPRG hanger), pendant or stem mounted with appropriate mounting options. Three-point aligner locks in place for easy continuous row mounting.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -40°F (-40°C) and 86°F (30°C).

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

| |
|----------------|
| Catalog Number |
| Notes |
| Type |



LED Striplight

ZL1N

24", 48" and 96" Lengths



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

Type:

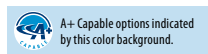
AL01

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Lighting Notes:

1. Mounting to be coordinated with architect

ZL1N LED Striplight



ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. Example: ZL1N L48 3000LM FST MVOLT 40K 80CRI WH

| Series | Length | Reflectors ² | Nominal lumens ³ | Diffuser | Voltage |
|-------------------------|--------------------------|---|--|--|--|
| ZL1N LED striplight | L24 24" ¹ | (blank) Less reflector | 1500LM 1,500 lumens | FST Snap on frosted, diffuse | MVOLT 120-277V |
| | | SMR Symmetric | 2500LM 2,500 lumens | L/LENS No diffuser | 120 120V |
| | | | 3500LM 3,500 lumens | SBL FST Straight blade louver with snap on frosted, diffuse | 208 208V |
| | L46 46" L48 48" | (blank) Less reflector ASR Asymmetric (L48 only) SMR Symmetric | 3000LM 3,000 lumens 5000LM 5,000 lumens 7000LM 7,000 lumens | | 240 240V 277 277V 347 347V ⁴ 480 480V ⁴ |
| TZL1N LED striplight | L92 92" | (blank) Less reflector | 6000LM 6,000 lumens | | |
| | L96 96" | SMR Symmetric | 10000LM 10,000 lumens 14000LM 14,000 lumens | | |

| Color temperature | Color rendering index | Options | Paint finish |
|--|------------------------------------|--|--|
| 30K 3000 K 35K 3500 K 40K 4000 K 50K 5000 K | 80CRI 80 CRI 90CRI 90 CRI | PLR____ Plug-in wiring ^{5,6} PLR1LVG Plug-in wiring-low voltage ^{6,6} E7W Emergency battery pack, 7W CA Title 20 Noncompliant ⁷ 2E7W Two Emergency battery packs, 7W CA Title 20 Noncompliant ^{7,8} E10WLCP Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ 2E10WLCP Two Emergency battery packs, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ E15WLCP Emergency battery pack, 15W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ OUTEND Cord set to exit endplate of fixture Wireless Controls⁵ NLTAIR2 RLSXR10 nLight Air Generation 2 Fixture mount, LSXR sensor low mount 360° NLTAIR2 RLSXR10EM nLight Air Generation 2 Fixture mount, LSXR sensor low mount 360°, UL924 Emergency operation ⁹ | WH White GALV Galvanized MB Matte black SKGY Smoke gray |
| | | Individual Controls⁵ LB0ZU 360° low mount motion sensor, pre-wired ¹⁰ LBH0SZU 360° low mount motion sensor with dimming, pre-wired ¹⁰ LBPZU 360° low mount motion sensor with photocell, pre-wired ¹⁰ LBM0SZU 360° low mount motion sensor, dimming & switching photocell, pre-wired ¹⁰ Cord sets:¹¹ CS1W Straight plug, 120V CS3W Twist-lock, 120V CS7W Straight plug, 277V CS11W Twist-lock, 277V CS25W Twist-lock, 347V CS97W Twist-lock, 480V CS93W 600V SEOW white cord, no plug (no voltage required) | |

| Accessories: Order as separate catalog number. | | | |
|--|---|------------------------|--|
| HC36 | Hanger chain, 36" | ZLR L24 SYM WH | 24" symmetric reflector, white finish |
| ZACVH | Aircraft cable 10' (one pair) | ZLR L46 SYM UPL WH | 46" symmetric reflector with uplight, white finish |
| ZLANGBKT | Luma-tilt™ angle bracket for shelf or ledge mounting only | ZLR L46 SYM WH | 46" symmetric reflector, white finish |
| SQ_ | Stem kit, 2" increments up to 48" | ZLR L48 ASY WH | 48" asymmetric reflector, white finish |
| NPP16D | nLight® switching/dimming module | ZLR L48 SYM UPL WH | 48" symmetric reflector with uplight, white finish |
| rPP20D | nLight® Air switching/dimming module | ZLR L48 SYM WH | 48" symmetric reflector, white finish |
| LSXR | Sensor Switch™ LSXR occupancy sensor ⁴ | ZLR L92 SYM UPL WH | 92" symmetric reflector with uplight, white finish |
| ZSPRG | For 15/16" T-grid only | ZLR L92 SYM WH | 92" symmetric reflector, white finish |
| WGZ24 | 24" wireguard, white ¹² | ZLR L96 SYM UPL WH | 96" symmetric reflector with uplight, white finish |
| WGZ48 | 48" wireguard, white ^{12,13} | ZLR L96 SYM WH | 96" symmetric reflector, white finish |
| ZLR L24 SYM UPL WH | 24" symmetric reflector with uplight, white finish | UNIVERSAL REFL ALIGNER | Universal reflector aligners, quantity 1 |

- Notes**
- Not available with 347V, 480V or Batteries
 - Optional. Reflectors ship separately.
 - See Operational Data on page 2 for actual lumens.
 - Utilizes step down transformer.
 - See ordering information on pages 4 and 5 and [rLSXR specification sheet](#) for more configurations. When choosing Sensor and PLR for same fixture, consult the factory.
 - Not available with cord sets.
 - MVOLT only. Not available with cord sets with plugs. Battery Spec sheet linked for more information.
 - Only available with 10,000LM and 14,000LM packages.
 - MVOLT only.
 - Available with MVOLT, 347V and 480V only. This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 6 for low temperature option providing -4°F (-20°C) minimum ambient. Sensors come prewired, they must be snapped into place at time of installation.
 - Cordsets exit back of fixture unless OUTEND option is specified. Must specify voltage (not required when ordering CS93W).
 - Not compatible with reflector
 - Order 2 for tandem double length fixtures (TZL1N).

Type:
AL01
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ARUP
Project Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight

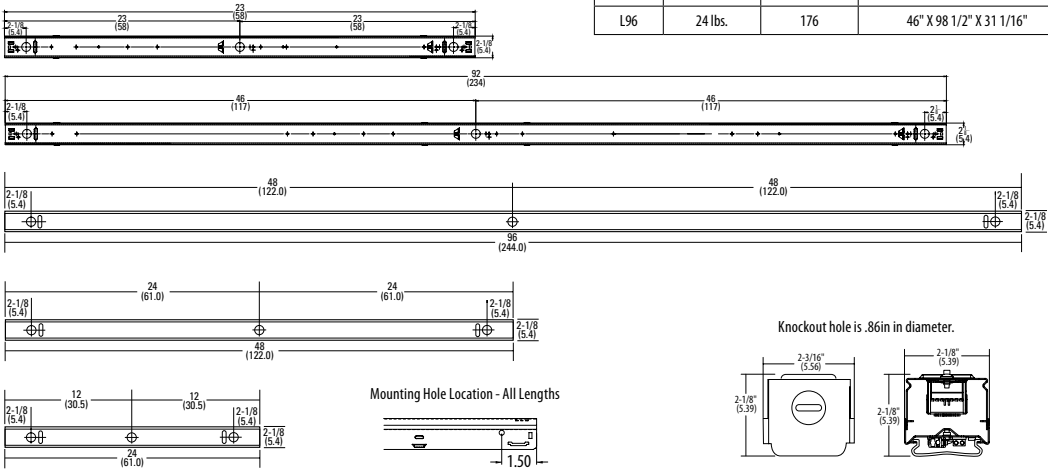
Type:
AL01
Page 3 of 6

| OPERATIONAL DATA | | | | | | | | | | | | |
|------------------|-----------------------|-----------------|---|--------|---|--------|---|--------|---|--------|---------------------|--|
| | Nominal lumen package | Length (inches) | Delivered Lumens 3000 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 3500 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 4000 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 5000 K CCT @ 77°F (25°C) ambient temperature | | Wattage @ 120V/277V | Comparable Light Source |
| | | | 80 CRI | 90 CRI | 80 CRI | 90 CRI | 80 CRI | 90 CRI | 80 CRI | 90 CRI | | |
| Lensed | 1500LM | 24 | 1738 | 1409 | 1777 | 1467 | 1804 | 1494 | 1871 | 1528 | 15 | 1-lamp 17W T8 |
| | 2500LM | 24 | 2265 | 1846 | 2315 | 1900 | 2351 | 1947 | 2438 | 1991 | 19 | 1-lamp 17W T8 |
| | 3500LM | 24 | 3586 | 2924 | 3666 | 3026 | 3723 | 3084 | 3860 | 3152 | 31 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 3000LM | 46 or 48 | 3172 | 2586 | 3243 | 2677 | 3293 | 2728 | 3415 | 2788 | 25 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 5000LM | 46 or 48 | 4417 | 3601 | 4515 | 3727 | 4585 | 3798 | 4754 | 3882 | 34 | 2-lamp 32W T8, 1-lamp 54W TSHO, 70W HID |
| | 7000LM | 46 or 48 | 6535 | 5328 | 6681 | 5515 | 6785 | 5619 | 7035 | 5744 | 52 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 6000LM | 92 or 96 | 6561 | 5349 | 6708 | 5537 | 6812 | 5642 | 7063 | 5767 | 48 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 10000LM | 92 or 96 | 8687 | 7082 | 8881 | 7331 | 9019 | 7470 | 9351 | 7636 | 68 | 4-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 14000LM | 92 or 96 | 12457 | 10513 | 12735 | 10665 | 12933 | 10711 | 13409 | 10949 | 104 | 4-lamp 32W T8, 3-lamp 54W TSHO, 150W HID |
| Unlensed | 1500LM | 24 | 1881 | 1534 | 1923 | 1588 | 1953 | 1618 | 2025 | 1654 | 15 | 1-lamp 17W T8 |
| | 2500LM | 24 | 2452 | 1999 | 2506 | 2069 | 2545 | 2108 | 2639 | 2155 | 19 | 1-lamp 17W T8 |
| | 3500LM | 24 | 3882 | 3165 | 3969 | 3276 | 4031 | 3338 | 4179 | 3412 | 31 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 3000LM | 46 or 48 | 3434 | 2800 | 3511 | 2898 | 3565 | 2953 | 3697 | 3019 | 25 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 5000LM | 46 or 48 | 4781 | 3898 | 4888 | 4035 | 4964 | 4111 | 5147 | 4203 | 34 | 2-lamp 32W T8, 1-lamp 54W TSHO, 70W HID |
| | 7000LM | 46 or 48 | 7075 | 5768 | 7233 | 5971 | 7345 | 6083 | 7616 | 6219 | 52 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 6000LM | 92 or 96 | 7103 | 5791 | 7261 | 5995 | 7374 | 6108 | 7646 | 6243 | 48 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 10000LM | 92 or 96 | 9404 | 7667 | 9614 | 7937 | 9764 | 8087 | 10123 | 8266 | 68 | 4-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 14000LM | 92 or 96 | 13485 | 10994 | 13786 | 11381 | 14001 | 11596 | 14516 | 11853 | 104 | 4-lamp 32W T8, 3-lamp 54W TSHO, 150W HID |

DIMENSIONS

All dimensions are shown in inches (centimeters) unless otherwise noted.
Specifications subject to change without notice.

| PALLET DIMENSIONS | | | |
|-------------------|--------------------|---------------------|---|
| Length | Approximate weight | Fixtures per pallet | Approximate pallet dimensions (L x W x H) |
| L24 | 7 lbs. | 408 | 46" X 51" X 32 11/16" |
| L46 | 11 lbs. | 176 | 46" X 51" X 32 1/16" |
| L48 | 12 lbs. | 176 | 46" X 51" X 31 3/8" |
| L92 | 22 lbs. | 176 | 46" X 98 1/2" X 31 1/16" |
| L96 | 24 lbs. | 176 | 46" X 98 1/2" X 31 1/16" |



PHOTOMETRICS

Please see www.lithonia.com

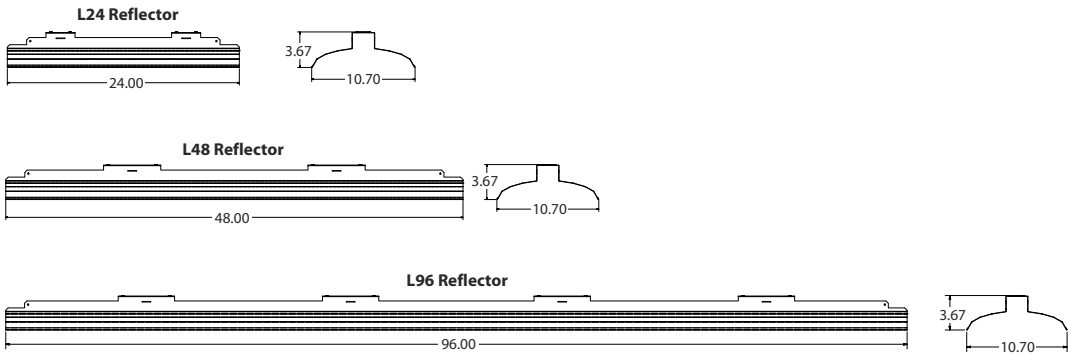
INDUSTRIAL

ZL1N
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ARUP
Project Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight

REFLECTORS (Optional)



PHOTOMETRICS

Please see www.lithonia.com

PRODUCT INFORMATION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Note: Specifications subject to change without notice.



Wiring
PLR

Advanced 1 or 2-Circuit Plug-In

| ORDERING INFORMATION | | Lead times will vary depending on options selected. Consult with your sales representative. | | | | |
|----------------------|---------------------|---|--|---|------------------------|--------------------|
| Series | Number of hot wires | | Branch circuits | | Dimming | Ground |
| PLR | (blank) | Not required for 22 | Circuits to which ballast is connected | | LV Low-voltage dimming | G Ground, required |
| PLR22 | 1 | Black | (blank) | Not required for 22 or PLR1 | | |
| | 2 | Black and red | A Black wire | ELA Emergency circuit wired to black wire | | |
| | | | B Red wire | ELB Emergency circuit wired to red wire | | |

Typical Applications

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits, 2-circuit (PLR 22)
- Multiple circuit with night-lights located along row as desired

Type:

AL01
Page 4 of 6

ARUP
Project Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight**LSXR — Fixture Mount Occupancy Sensor** (see www.AcuityControls.com for additional information)

- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of T5 and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Sensor ambient temperature rating of 14°F (-10°C) to 131°F (55°C).

| LSXR configuration | Comparable CMRB sensor | Old style sensor nomenclature |
|--|------------------------|-------------------------------|
| For shortest lead times use one of the following LSXR configurations | | |
| LCOZU | CMRB 50 | MSI |
| LCH0SZU | CMRB 50 D | MSID |
| LCPZU | CMRB 50 P | MSIPED |
| LAOZU | CMRB 6 | MSI360 |
| LAH0SZU | CMRB 6 D | MSI360D |
| LAPZU | CMRB 6 P | MSI360PED |

SELECTIONS BELOW WILL EXTEND ORDER LEAD TIME. CONSULT YOUR SALES REPRESENTATIVE FOR DETAILS.

SINGLE RELAY**ORDERING INFORMATION****Example:** LAH0SZU

| Series | Lens option | Dimming/Photocell | Max. dim level | Min. dim level | Temp/Humidity | Default occupancy time delay |
|---|--|--|---|--|--|--|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360° B Low mount, 360° C High mount aisleway | O None ¹ H High/low occupancy operation P Switching photocell (on/off) ¹ M Dimming and switching photocell G Dimming and switching photocell with high/low occupancy operation | 0 10 VDC 9 9 VDC 8 8 VDC 7 7 VDC | 5 Minimum dim level of ballast 1 1 VDC 2 2 VDC 3 3 VDC 4 4 VDC 5 5 VDC 6 6 VDC | Z None T Low temperature ² | I 30 sec D 2.5 min X 5.0 min R 7.5 min U 10.0 min (with minimum 15 minute on time) V 15.0 min W 20.0 min Y 30.0 min |

Notes

- 1 Max and min dim levels not applicable with this option.
- 2 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

DUAL RELAY (Available with 120, 277, and 347V only)**ORDERING INFORMATION****Example:** LA2KZU

| Series | Lens option | Poles | Operating mode | Temp/Humidity | Default occupancy time delay |
|---|--|--------------|---|--|--|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360° B Low mount, 360° C High mount aisleway | 2 Dual relay | J None K Alternating off relays (promotes even lamp wear) O Alternating off relays w/photocell P Switching photocell(on/off) E Photocell on/off (pole 1 only) F Photocell on/off - both poles (dual set-point) | Z None T Low temperature ¹ | I 30 sec D 2.5 min X 5.0 min R 7.5 min U 10.0 min (with minimum 15 minute on time) V 15.0 min W 20.0 min Y 30.0 min |

Notes

- 1 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

Example: LENS 50 J100

| Replacement lenses: Order as separate catalog number. | | |
|---|------------------------|---------------------|
| Series | Lens type | Package quantity |
| LENS | 6 High mount 360° | (blank) Single Lens |
| | 10 Low mount 360° | J10 10-pack |
| | 50 High mount aisleway | J100 100-pack |

Type:**AL01**

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ARUPProject Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight

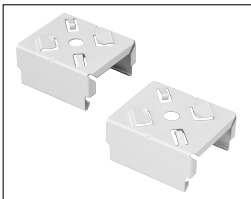
OPTIONS AND ACCESSORIES

The Z Series fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.



HANGER CHAIN
36" chain with Y hanger.

Order as:
HC36



Z SPRING HANGER
Snap 'n' lock design requires no fasteners and can be used on T-grid ceiling or universal mounting systems.

Order as:
ZSPRG



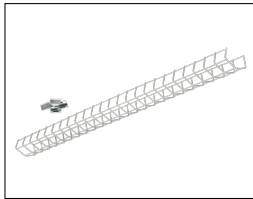
ZACVH HANGER
10' Aircraft cable with Y hanger.

Order as:
ZACVH



ANGLE MOUNTING BRACKET
Luma-tilt™ angle bracket ships as a pair

Order as:
ZLANGBKT



WIRE GUARD

Order as:
WGZ24
WGZ48

Type:

AL01

Page 6 of 6

Manufacturer: LITHONIA LIGHTING : ZL1N
Description: Surface Mounted Linear

Fixture Wattage: 34 W
Lumen Output: 3798 lumen
Lamp CRI: 90+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Anodized Aluminum
Lamp CCT: 4000K
Assembly Code: ZL1N-L48-SMR-5000LM-SBL FST-120-40K-90CRI



FEATURES & SPECIFICATIONS

INTENDED USE — Built on the compact, low-profile Z strip channel, this LED strip offers long maintenance-free life, several color temperatures, lumen outputs and lengths. Ideal for new construction and retrofit applications in T5 and T8 lengths. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, cove and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — Compact-design channel and cover are formed from code-gauge cold-rolled steel. Easy to install row aligner included for continuous row mounting.

Finish: Paint options include high-gloss, baked white enamel (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). After fabrication, five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Standard diffuse snap on/snap off lens eliminates pixels, improves uniformity and minimizes glare. L/LENS option available.

ELECTRICAL — L70>60,000hours. Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR... ordering information on page 3.) Electronic LED driver is rated for 75 input watts maximum (see Operational Data on page two for actual wattage consumption), **multi-volt input and 0-10V dimming standard.** This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

LEDs provide nominal 80 CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,000 lumens per foot. In 86°F (30°C) ambient environments. Luminaire should be installed in applications where ambient temperatures do not exceed 86°F (30°C).

INSTALLATION — Tool-less channel cover for easy installation.

Fixture may be surface mounted (with or without ZSPRG hanger), pendant or stem mounted with appropriate mounting options. Three-point aligner locks in place for easy continuous row mounting.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -40°F (-40°C) and 86°F (30°C).

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

| |
|----------------|
| Catalog Number |
| Notes |
| Type |



LED Striplight

ZL1N

24", 48" and 96" Lengths



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

Type:

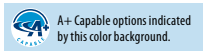
AL01a

Page 1 of 6

Lighting Notes:

1. Mounting to be coordinated with architect

ZL1N LED Striplight



ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** ZL1N L48 3000LM FST MVOLT 40K 80CRI WH

| Series | Length | Reflectors ² | Nominal lumens ³ | Diffuser | Voltage |
|----------------------|----------------------|--|---|---|---|
| ZL1N LED striplight | L24 24" ¹ | (blank) Less reflector | 1500LM 1,500 lumens | FST Snap on frosted, diffuse | MVOLT 120-277V |
| | | SMR Symmetric | 2500LM 2,500 lumens | L/LENS No diffuser | 120 120V |
| | | | 3500LM 3,500 lumens | SBL FST Straight blade louver with snap on frosted, diffuse | 208 208V |
| | L46 46" L48 48" | (blank) Less reflector ASR Asymmetric (L48 only) SMR Symmetric | 3000LM 3,000 lumens 5000LM 5,000 lumens 7000LM 7,000 lumens | | 240 240V 277 277V 347 347V ⁴ |
| TZL1N LED striplight | L92 92" | (blank) Less reflector | 6000LM 6,000 lumens | | 480 480V ⁴ |
| | L96 96" | SMR Symmetric | 10000LM 10,000 lumens 14000LM 14,000 lumens | | |

| Color temperature | Color rendering index | Options | | Paint finish |
|--|------------------------------|--|--|--|
| 30K 3000 K 35K 3500 K 40K 4000 K 50K 5000 K | 80CRI 80 CRI 90CRI 90 CRI | PLR____ Plug-in wiring ^{5,6} PLR1LVG Plug-in wiring-low voltage ^{6,6} E7W Emergency battery pack, 7W CA Title 20 Noncompliant ⁷ 2E7W Two Emergency battery packs, 7W CA Title 20 Noncompliant ^{7,8} E10WLCP Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ 2E10WLCP Two Emergency battery packs, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ E15WLCP Emergency battery pack, 15W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ OUTEND Cord set to exit endplate of fixture Wireless Controls⁵ NLTAIR2 RLSXR10 nLight Air Generation 2 Fixture mount, LSXR sensor low mount 360° NLTAIR2 RLSXR10EM nLight Air Generation 2 Fixture mount, LSXR sensor low mount 360°, UL924 Emergency operation ⁹ | Individual Controls⁵ LB0ZU 360° low mount motion sensor, pre-wired ¹⁰ LBH0SZU 360° low mount motion sensor with dimming, pre-wired ¹⁰ LBPZU 360° low mount motion sensor with photocell, pre-wired ¹⁰ LBM0SZU 360° low mount motion sensor, dimming & switching photocell, pre-wired ¹⁰ Cord sets:¹¹ CS1W Straight plug, 120V CS3W Twist-lock, 120V CS7W Straight plug, 277V CS11W Twist-lock, 277V CS25W Twist-lock, 347V CS97W Twist-lock, 480V CS93W 600V SE00W white cord, no plug (no voltage required) | WH White GALV Galvanized MB Matte black SKGY Smoke gray |

| Accessories: Order as separate catalog number. | | | |
|--|---|------------------------|--|
| HC36 | Hanger chain, 36" | ZLR L24 SYM WH | 24" symmetric reflector, white finish |
| ZACVH | Aircraft cable 10' (one pair) | ZLR L46 SYM UPL WH | 46" symmetric reflector with uplight, white finish |
| ZLANGBKT | Luma-tilt™ angle bracket for shelf or ledge mounting only | ZLR L46 SYM WH | 46" symmetric reflector, white finish |
| SQ_ | Stem kit, 2" increments up to 48" | ZLR L48 ASY WH | 48" asymmetric reflector, white finish |
| NPP16D | nLight® switching/dimming module | ZLR L48 SYM UPL WH | 48" symmetric reflector with uplight, white finish |
| rPP20D | nLight® Air switching/dimming module | ZLR L48 SYM WH | 48" symmetric reflector, white finish |
| LSXR | Sensor Switch™ LSXR occupancy sensor ⁴ | ZLR L92 SYM UPL WH | 92" symmetric reflector with uplight, white finish |
| ZSPRG | For 15/16" T-grid only | ZLR L92 SYM WH | 92" symmetric reflector, white finish |
| WGZ24 | 24" wireguard, white ¹² | ZLR L96 SYM UPL WH | 96" symmetric reflector with uplight, white finish |
| WGZ48 | 48" wireguard, white ^{12,13} | ZLR L96 SYM WH | 96" symmetric reflector, white finish |
| ZLR L24 SYM UPL WH | 24" symmetric reflector with uplight, white finish | UNIVERSAL REFL ALIGNER | Universal reflector aligners, quantity 1 |

- Notes**
- Not available with 347V, 480V or Batteries
 - Optional. Reflectors ship separately.
 - See Operational Data on page 2 for actual lumens.
 - Utilizes step down transformer.
 - See ordering information on pages 4 and 5 and [rLSXR specification sheet](#) for more configurations. When choosing Sensor and PLR for same fixture, consult the factory.
 - Not available with cord sets.
 - MVOLT only. Not available with cord sets with plugs. Battery Spec sheet linked for more information.
 - Only available with 10,000LM and 14,000LM packages.
 - MVOLT only.
 - Available with MVOLT, 347V and 480V only. This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 6 for low temperature option providing -4°F (-20°C) minimum ambient. Sensors come prewired, they must be snapped into place at time of installation.
 - Cordsets exit back of fixture unless OUTEND option is specified. Must specify voltage (not required when ordering CS93W).
 - Not compatible with reflector
 - Order 2 for tandem double length fixtures (TZL1N).

Type:
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ARUP
Project Number: 271565
Phone: 1 212 896 3000

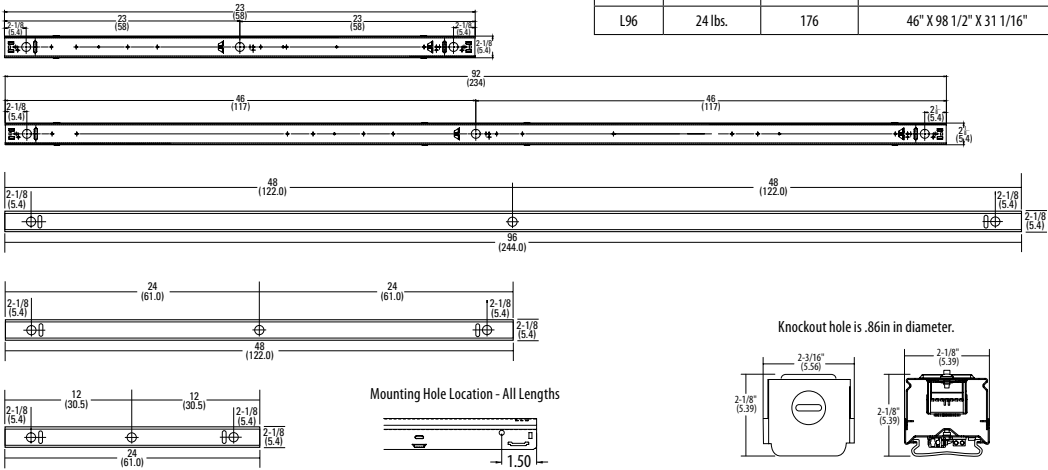
ZL1N LED Striplight

| OPERATIONAL DATA | | | | | | | | | | | | |
|------------------|-----------------------------|--------------------|---|--------|---|--------|---|--------|---|--------|---------------------------|--|
| | Nominal lumen package | Length (inches) | Delivered Lumens 3000 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 3500 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 4000 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 5000 K CCT @ 77°F (25°C) ambient temperature | | Wattage @ 120V/277V | Comparable Light Source |
| | | | 80 CRI | 90 CRI | 80 CRI | 90 CRI | 80 CRI | 90 CRI | 80 CRI | 90 CRI | | |
| Lensed | 1500LM | 24 | 1738 | 1409 | 1777 | 1467 | 1804 | 1494 | 1871 | 1528 | 15 | 1-lamp 17W T8 |
| | 2500LM | 24 | 2265 | 1846 | 2315 | 1900 | 2351 | 1947 | 2438 | 1991 | 19 | 1-lamp 17W T8 |
| | 3500LM | 24 | 3586 | 2924 | 3666 | 3026 | 3723 | 3084 | 3860 | 3152 | 31 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 3000LM | 46 or 48 | 3172 | 2586 | 3243 | 2677 | 3293 | 2728 | 3415 | 2788 | 25 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 5000LM | 46 or 48 | 4417 | 3601 | 4515 | 3727 | 4585 | 3798 | 4754 | 3882 | 34 | 2-lamp 32W T8, 1-lamp 54W TSHO, 70W HID |
| | 7000LM | 46 or 48 | 6535 | 5328 | 6681 | 5515 | 6785 | 5619 | 7035 | 5744 | 52 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 6000LM | 92 or 96 | 6561 | 5349 | 6708 | 5537 | 6812 | 5642 | 7063 | 5767 | 48 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 10000LM | 92 or 96 | 8687 | 7082 | 8881 | 7331 | 9019 | 7470 | 9351 | 7636 | 68 | 4-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 14000LM | 92 or 96 | 12457 | 10513 | 12735 | 10665 | 12933 | 10711 | 13409 | 10949 | 104 | 4-lamp 32W T8, 3-lamp 54W TSHO, 150W HID |
| Unlensed | 1500LM | 24 | 1881 | 1534 | 1923 | 1588 | 1953 | 1618 | 2025 | 1654 | 15 | 1-lamp 17W T8 |
| | 2500LM | 24 | 2452 | 1999 | 2506 | 2069 | 2545 | 2108 | 2639 | 2155 | 19 | 1-lamp 17W T8 |
| | 3500LM | 24 | 3882 | 3165 | 3969 | 3276 | 4031 | 3338 | 4179 | 3412 | 31 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 3000LM | 46 or 48 | 3434 | 2800 | 3511 | 2898 | 3565 | 2953 | 3697 | 3019 | 25 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 5000LM | 46 or 48 | 4781 | 3898 | 4888 | 4035 | 4964 | 4111 | 5147 | 4203 | 34 | 2-lamp 32W T8, 1-lamp 54W TSHO, 70W HID |
| | 7000LM | 46 or 48 | 7075 | 5768 | 7233 | 5971 | 7345 | 6083 | 7616 | 6219 | 52 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 6000LM | 92 or 96 | 7103 | 5791 | 7261 | 5995 | 7374 | 6108 | 7646 | 6243 | 48 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 10000LM | 92 or 96 | 9404 | 7667 | 9614 | 7937 | 9764 | 8087 | 10123 | 8266 | 68 | 4-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 14000LM | 92 or 96 | 13485 | 10994 | 13786 | 11381 | 14001 | 11596 | 14516 | 11853 | 104 | 4-lamp 32W T8, 3-lamp 54W TSHO, 150W HID |

DIMENSIONS

All dimensions are shown in inches (centimeters) unless otherwise noted.
Specifications subject to change without notice.

| PALLET DIMENSIONS | | | |
|-------------------|--------------------|---------------------|---|
| Length | Approximate weight | Fixtures per pallet | Approximate pallet dimensions (L x W x H) |
| L24 | 7 lbs. | 408 | 46" X 51" X 32 11/16" |
| L46 | 11 lbs. | 176 | 46" X 51" X 32 1/16" |
| L48 | 12 lbs. | 176 | 46" X 51" X 31 3/8" |
| L92 | 22 lbs. | 176 | 46" X 98 1/2" X 31 1/16" |
| L96 | 24 lbs. | 176 | 46" X 98 1/2" X 31 1/16" |



PHOTOMETRICS

Please see www.lithonia.com

INDUSTRIAL

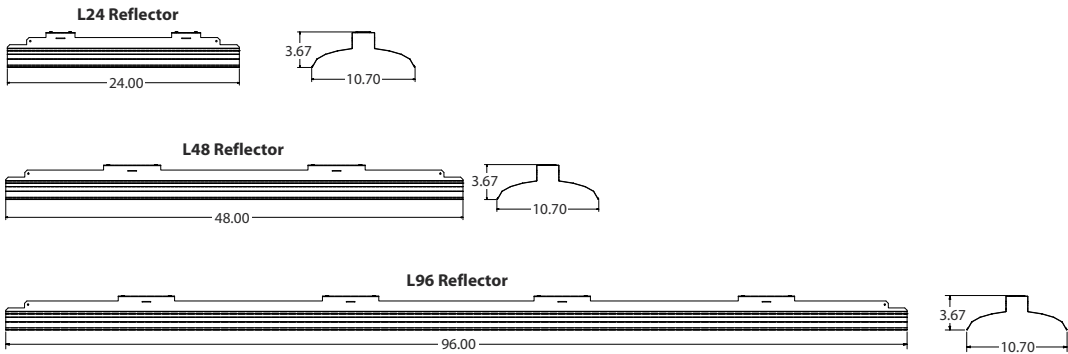
ZL1N
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Type:
AL01a
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ARUP
Project Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight

REFLECTORS (Optional)



PHOTOMETRICS

Please see www.lithonia.com

PRODUCT INFORMATION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Note: Specifications subject to change without notice.



Wiring

PLR

Advanced 1 or 2-Circuit Plug-In

| ORDERING INFORMATION | | Lead times will vary depending on options selected. Consult with your sales representative. | | | | | |
|----------------------|-----------------------------|---|---|-----------------------------|---------|------------------------|--------------------|
| Series | Number of hot wires | Branch circuits | | | Dimming | Ground | |
| PLR | (blank) Not required for 22 | Circuits to which ballast is connected | | Emergency circuit connected | | LV Low-voltage dimming | G Ground, required |
| PLR22 | 1 Black | (blank) Not required for 22 or PLR1 | (blank) No emergency circuit | | | | |
| | 2 Black and red | A Black wire | ELA Emergency circuit wired to black wire | | | | |
| | | B Red wire | ELB Emergency circuit wired to red wire | | | | |

Typical Applications

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits, 2-circuit (PLR 22)
- Multiple circuit with night-lights located along row as desired

Type:

AL01a

Page 4 of 6

ARUP

Project Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight**LSXR — Fixture Mount Occupancy Sensor** (see www.AcuityControls.com for additional information)

- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of TS and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Sensor ambient temperature rating of 14°F (-10°C) to 131°F (55°C).

| LSXR configuration | Comparable CMRB sensor | Old style sensor nomenclature |
|--|------------------------|-------------------------------|
| For shortest lead times use one of the following LSXR configurations | | |
| LCOZU | CMRB 50 | MSI |
| LCH05ZU | CMRB 50 D | MSID |
| LCPZU | CMRB 50 P | MSIPED |
| LAOZU | CMRB 6 | MSI360 |
| LAH05ZU | CMRB 6 D | MSI360D |
| LAPZU | CMRB 6 P | MSI360PED |

SELECTIONS BELOW WILL EXTEND ORDER LEAD TIME. CONSULT YOUR SALES REPRESENTATIVE FOR DETAILS.

SINGLE RELAY**ORDERING INFORMATION****Example:** LAH05ZU

| Series | Lens option | Dimming/Photocell | Max. dim level | Min. dim level | Temp/Humidity | Default occupancy time delay |
|---|--|--|---|--|--|--|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360° B Low mount, 360° C High mount aisleway | O None ¹ H High/low occupancy operation P Switching photocell (on/off) ¹ M Dimming and switching photocell G Dimming and switching photocell with high/low occupancy operation | 0 10 VDC 9 9 VDC 8 8 VDC 7 7 VDC | 5 Minimum dim level of ballast 1 1 VDC 2 2 VDC 3 3 VDC 4 4 VDC 5 5 VDC 6 6 VDC | Z None T Low temperature ² | I 30 sec D 2.5 min X 5.0 min R 7.5 min U 10.0 min (with minimum 15 minute on time) V 15.0 min W 20.0 min Y 30.0 min |

Notes

- 1 Max and min dim levels not applicable with this option.
- 2 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

DUAL RELAY (Available with 120, 277, and 347V only)**ORDERING INFORMATION****Example:** LA2KZU

| Series | Lens option | Poles | Operating mode | Temp/Humidity | Default occupancy time delay |
|---|--|--------------|---|--|--|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360° B Low mount, 360° C High mount aisleway | 2 Dual relay | J None K Alternating off relays (promotes even lamp wear) O Alternating off relays w/photocell P Switching photocell(on/off) E Photocell on/off (pole 1 only) F Photocell on/off - both poles (dual set-point) | Z None T Low temperature ¹ | I 30 sec D 2.5 min X 5.0 min R 7.5 min U 10.0 min (with minimum 15 minute on time) V 15.0 min W 20.0 min Y 30.0 min |

Notes

- 1 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

Example: LENS 50 J100

| Replacement lenses: Order as separate catalog number. | | |
|---|------------------------|---------------------|
| Series | Lens type | Package quantity |
| LENS | 6 High mount 360° | (blank) Single Lens |
| | 10 Low mount 360° | J10 10-pack |
| | 50 High mount aisleway | J100 100-pack |

Type:

AL01a

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ARUPProject Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight

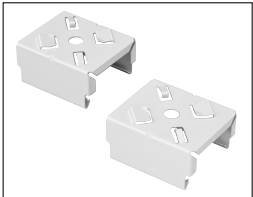
OPTIONS AND ACCESSORIES

The Z Series fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.



HANGER CHAIN
36" chain with Y hanger.

Order as:
HC36



Z SPRING HANGER
Snap 'n' lock design requires no fasteners and can be used on T-grid ceiling or universal mounting systems.

Order as:
ZSPRG



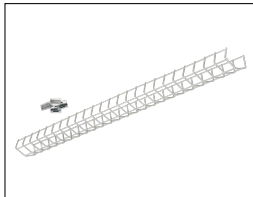
ZACVH HANGER
10' Aircraft cable with Y hanger.

Order as:
ZACVH



ANGLE MOUNTING BRACKET
Luma-tilt™ angle bracket ships as a pair

Order as:
ZLANGBKT



WIRE GUARD

Order as:
WGZ24
WGZ48

Type:
AL01a
Page 6 of 6

Manufacturer: LITHONIA LIGHTING : ZL1N
Description: Surface Mounted Linear

Fixture Wattage: 104 W
Lumen Output: 10711 lumen
Lamp CRI: 90+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Anodized Aluminum
Lamp CCT: 4000K
Assembly Code: ZL1N-L96-SMR-14000LM-SBL FST-120-40K-90CRI



FEATURES & SPECIFICATIONS

INTENDED USE — Built on the compact, low-profile Z strip channel, this LED strip offers long maintenance-free life, several color temperatures, lumen outputs and lengths. Ideal for new construction and retrofit applications in T5 and T8 lengths. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, cove and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)**

CONSTRUCTION — Compact-design channel and cover are formed from code-gauge cold-rolled steel. Easy to install row aligner included for continuous row mounting.

Finish: Paint options include high-gloss, baked white enamel (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). After fabrication, five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Standard diffuse snap on/snap off lens eliminates pixels, improves uniformity and minimizes glare. L/LENS option available.

ELECTRICAL — L70>60,000hours. Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR... ordering information on page 3.) Electronic LED driver is rated for 75 input watts maximum (see Operational Data on page two for actual wattage consumption), **multi-volt input and 0-10V dimming standard**. This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

LEDs provide nominal 80 CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,000 lumens per foot. In 86°F (30°C) ambient environments. Luminaire should be installed in applications where ambient temperatures do not exceed 86°F (30°C).

INSTALLATION — Tool-less channel cover for easy installation.

Fixture may be surface mounted (with or without ZSPRG hanger), pendant or stem mounted with appropriate mounting options. Three-point aligner locks in place for easy continuous row mounting.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -40°F (-40°C) and 86°F (30°C).

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

| |
|----------------|
| Catalog Number |
| Notes |
| Type |



LED Striplight

ZL1N

24", 48" and 96" Lengths



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

Type:

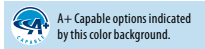
AL01b

Page 1 of 6

Lighting Notes:

1. Mounting to be coordinated with architect

ZL1N LED Striplight



ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** ZL1N L48 3000LM FST MVOLT 40K 80CRI WH

| Series | Length | Reflectors ² | Nominal lumens ³ | Diffuser | Voltage |
|----------------------|----------------------|--|---|---|---|
| ZL1N LED striplight | L24 24" ¹ | (blank) Less reflector | 1500LM 1,500 lumens | FST Snap on frosted, diffuse | MVOLT 120-277V |
| | | SMR Symmetric | 2500LM 2,500 lumens | L/LENS No diffuser | 120 120V |
| | | | 3500LM 3,500 lumens | SBL FST Straight blade louver with snap on frosted, diffuse | 208 208V |
| | L46 46" L48 48" | (blank) Less reflector ASR Asymmetric (L48 only) SMR Symmetric | 3000LM 3,000 lumens 5000LM 5,000 lumens 7000LM 7,000 lumens | | 240 240V 277 277V 347 347V ⁴ |
| TZL1N LED striplight | L92 92" | (blank) Less reflector | 6000LM 6,000 lumens | | 480 480V ⁴ |
| | L96 96" | SMR Symmetric | 10000LM 10,000 lumens 14000LM 14,000 lumens | | |

| Color temperature | Color rendering index | Options | Paint finish |
|--|------------------------------|---|--|
| 30K 3000 K 35K 3500 K 40K 4000 K 50K 5000 K | 80CRI 80 CRI 90CRI 90 CRI | PLR___ Plug-in wiring ^{5,6} PLR1LVG Plug-in wiring-low voltage ^{6,6} E7W Emergency battery pack, 7W CA Title 20 Noncompliant ⁷ 2E7W Two Emergency battery packs, 7W CA Title 20 Noncompliant ^{7,8} E10WLCP Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ 2E10WLCP Two Emergency battery packs, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ^{9,8} E15WLCP Emergency battery pack, 15W Linear Constant Power, Certified in CA Title 20 MAEDBS ^{9,8} OUTEND Cord set to exit endplate of fixture Wireless Controls⁵ NLTAIR2 RLSXR10 nLight Air Generation 2 Fixture mount, LSXR sensor low mount 360° NLTAIR2 RLSXR10EM nLight Air Generation 2 Fixture mount, LSXR sensor low mount 360°, UL924 Emergency operation ⁹ | WH White GALV Galvanized MB Matte black SKGY Smoke gray |
| | | Individual Controls⁵ LB0ZU 360° low mount motion sensor, pre-wired ¹⁰ LBH0SZU 360° low mount motion sensor with dimming, pre-wired ¹⁰ LBPZU 360° low mount motion sensor with photocell, pre-wired ¹⁰ LBM0SZU 360° low mount motion sensor, dimming & switching photocell, pre-wired ¹⁰ Cord sets:¹¹ CS1W Straight plug, 120V CS3W Twist-lock, 120V CS7W Straight plug, 277V CS11W Twist-lock, 277V CS25W Twist-lock, 347V CS97W Twist-lock, 480V CS93W 600V SEOW white cord, no plug (no voltage required) | |

| Accessories: Order as separate catalog number. | | | |
|--|---|------------------------|--|
| HC36 | Hanger chain, 36" | ZLR L24 SYM WH | 24" symmetric reflector, white finish |
| ZACVH | Aircraft cable 10' (one pair) | ZLR L46 SYM UPL WH | 46" symmetric reflector with uplight, white finish |
| ZLANGBKT | Luma-tilt™ angle bracket for shelf or ledge mounting only | ZLR L46 SYM WH | 46" symmetric reflector, white finish |
| SQ_ | Stem kit, 2" increments up to 48" | ZLR L48 ASY WH | 48" asymmetric reflector, white finish |
| NPP16D | nLight® switching/dimming module | ZLR L48 SYM UPL WH | 48" symmetric reflector with uplight, white finish |
| rPP20D | nLight® Air switching/dimming module | ZLR L48 SYM WH | 48" symmetric reflector, white finish |
| LSXR | Sensor Switch™ LSXR occupancy sensor ⁴ | ZLR L92 SYM UPL WH | 92" symmetric reflector with uplight, white finish |
| ZSPRG | For 15/16" T-grid only | ZLR L92 SYM WH | 92" symmetric reflector, white finish |
| WGZ24 | 24" wireguard, white ¹² | ZLR L96 SYM UPL WH | 96" symmetric reflector with uplight, white finish |
| WGZ48 | 48" wireguard, white ^{12,13} | ZLR L96 SYM WH | 96" symmetric reflector, white finish |
| ZLR L24 SYM UPL WH | 24" symmetric reflector with uplight, white finish | UNIVERSAL REFL ALIGNER | Universal reflector aligners, quantity 1 |

- Notes**
- Not available with 347V, 480V or Batteries
 - Optional. Reflectors ship separately.
 - See Operational Data on page 2 for actual lumens.
 - Utilizes step down transformer.
 - See ordering information on pages 4 and 5 and [rLSXR specification sheet](#) for more configurations. When choosing Sensor and PLR for same fixture, consult the factory.
 - Not available with cord sets.
 - MVOLT only. Not available with cord sets with plugs. Battery Spec sheet linked for more information.
 - Only available with 10,000LM and 14,000LM packages.
 - MVOLT only.
 - Available with MVOLT, 347V and 480V only. This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 6 for low temperature option providing -4°F (-20°C) minimum ambient. Sensors come prewired, they must be snapped into place at time of installation.
 - Cordsets exit back of fixture unless OUTEND option is specified. Must specify voltage (not required when ordering CS93W).
 - Not compatible with reflector
 - Order 2 for tandem double length fixtures (TZL1N).

Type:
AL01b
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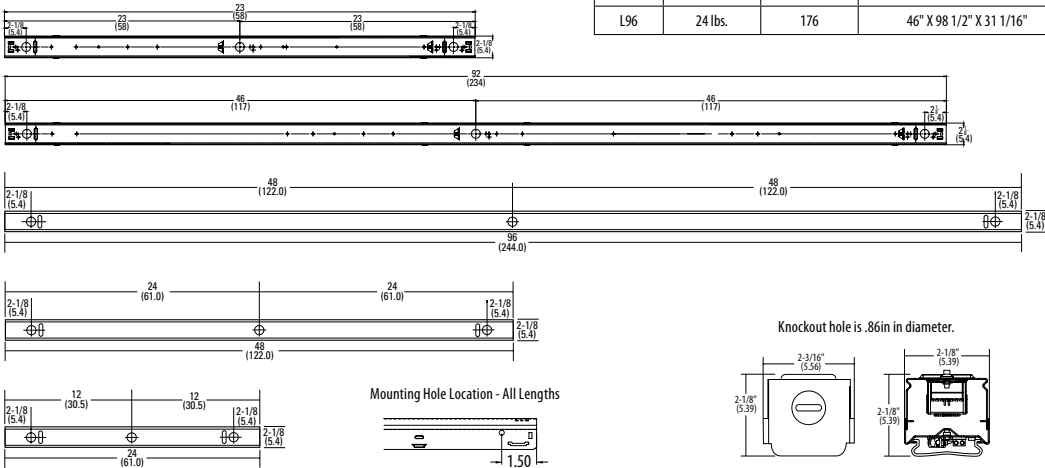
ZL1N LED Striplight

| OPERATIONAL DATA | | | | | | | | | | | | |
|------------------|-----------------------|-----------------|---|--------|---|--------|---|--------|---|--------|---------------------|--|
| | Nominal lumen package | Length (inches) | Delivered Lumens 3000 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 3500 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 4000 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 5000 K CCT @ 77°F (25°C) ambient temperature | | Wattage @ 120V/277V | Comparable Light Source |
| | | | 80 CRI | 90 CRI | 80 CRI | 90 CRI | 80 CRI | 90 CRI | 80 CRI | 90 CRI | | |
| Lensed | 1500LM | 24 | 1738 | 1409 | 1777 | 1467 | 1804 | 1494 | 1871 | 1528 | 15 | 1-lamp 17W T8 |
| | 2500LM | 24 | 2265 | 1846 | 2315 | 1900 | 2351 | 1947 | 2438 | 1991 | 19 | 1-lamp 17W T8 |
| | 3500LM | 24 | 3586 | 2924 | 3666 | 3026 | 3723 | 3084 | 3860 | 3152 | 31 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 3000LM | 46 or 48 | 3172 | 2586 | 3243 | 2677 | 3293 | 2728 | 3415 | 2788 | 25 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 5000LM | 46 or 48 | 4417 | 3601 | 4515 | 3727 | 4585 | 3798 | 4754 | 3882 | 34 | 2-lamp 32W T8, 1-lamp 54W TSHO, 70W HID |
| | 7000LM | 46 or 48 | 6535 | 5328 | 6681 | 5515 | 6785 | 5619 | 7035 | 5744 | 52 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 6000LM | 92 or 96 | 6561 | 5349 | 6708 | 5537 | 6812 | 5642 | 7063 | 5767 | 48 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 10000LM | 92 or 96 | 8687 | 7082 | 8881 | 7331 | 9019 | 7470 | 9351 | 7636 | 68 | 4-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 14000LM | 92 or 96 | 12457 | 10513 | 12735 | 10665 | 12933 | 10711 | 13409 | 10949 | 104 | 4-lamp 32W T8, 3-lamp 54W TSHO, 150W HID |
| Unlensed | 1500LM | 24 | 1881 | 1534 | 1923 | 1588 | 1953 | 1618 | 2025 | 1654 | 15 | 1-lamp 17W T8 |
| | 2500LM | 24 | 2452 | 1999 | 2506 | 2069 | 2545 | 2108 | 2639 | 2155 | 19 | 1-lamp 17W T8 |
| | 3500LM | 24 | 3882 | 3165 | 3969 | 3276 | 4031 | 3338 | 4179 | 3412 | 31 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 3000LM | 46 or 48 | 3434 | 2800 | 3511 | 2898 | 3565 | 2953 | 3697 | 3019 | 25 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 5000LM | 46 or 48 | 4781 | 3898 | 4888 | 4035 | 4964 | 4111 | 5147 | 4203 | 34 | 2-lamp 32W T8, 1-lamp 54W TSHO, 70W HID |
| | 7000LM | 46 or 48 | 7075 | 5768 | 7233 | 5971 | 7345 | 6083 | 7616 | 6219 | 52 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 6000LM | 92 or 96 | 7103 | 5791 | 7261 | 5995 | 7374 | 6108 | 7646 | 6243 | 48 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 10000LM | 92 or 96 | 9404 | 7667 | 9614 | 7937 | 9764 | 8087 | 10123 | 8266 | 68 | 4-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 14000LM | 92 or 96 | 13485 | 10994 | 13786 | 11381 | 14001 | 11596 | 14516 | 11853 | 104 | 4-lamp 32W T8, 3-lamp 54W TSHO, 150W HID |

DIMENSIONS

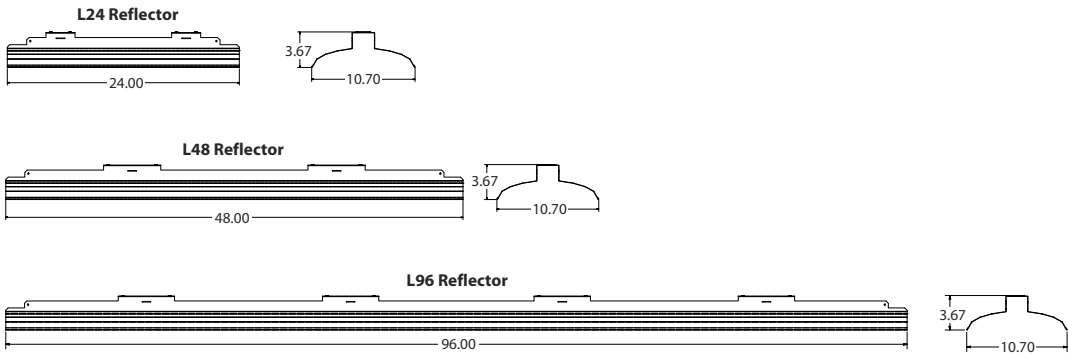
All dimensions are shown in inches (centimeters) unless otherwise noted.
Specifications subject to change without notice.

| PALLET DIMENSIONS | | | |
|-------------------|--------------------|---------------------|---|
| Length | Approximate weight | Fixtures per pallet | Approximate pallet dimensions (L x W x H) |
| L24 | 7 lbs. | 408 | 46" X 51" X 32 11/16" |
| L46 | 11 lbs. | 176 | 46" X 51" X 32 1/16" |
| L48 | 12 lbs. | 176 | 46" X 51" X 31 3/8" |
| L92 | 22 lbs. | 176 | 46" X 98 1/2" X 31 1/16" |
| L96 | 24 lbs. | 176 | 46" X 98 1/2" X 31 1/16" |



ZL1N LED Striplight

REFLECTORS (Optional)



PHOTOMETRICS

Please see www.lithonia.com

PRODUCT INFORMATION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Note: Specifications subject to change without notice.



Wiring
PLR

Advanced 1 or 2-Circuit Plug-In

| ORDERING INFORMATION | | Lead times will vary depending on options selected. Consult with your sales representative. | | | | |
|----------------------|---------------------|---|--|---|------------------------|--------------------|
| Series | Number of hot wires | | Branch circuits | | Dimming | Ground |
| PLR | (blank) | Not required for 22 | Circuits to which ballast is connected | | LV Low-voltage dimming | G Ground, required |
| PLR22 | 1 | Black | (blank) | Not required for 22 or PLR1 | | |
| | 2 | Black and red | A Black wire | ELA Emergency circuit wired to black wire | | |
| | | | B Red wire | ELB Emergency circuit wired to red wire | | |

- Typical Applications
- Multiple-circuit and single-circuit for longer continuous rows
 - Multiple-circuit with alternating fixtures on separate circuits, 2-circuit (PLR 22)
 - Multiple circuit with night-lights located along row as desired

INDUSTRIAL

ZL1N
Page 4 of 6

Type:
AL01b
Page 4 of 6

ARUP
Project Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight**LSXR — Fixture Mount Occupancy Sensor** (see www.AcuityControls.com for additional information)

- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of T5 and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Sensor ambient temperature rating of 14°F (-10°C) to 131°F (55°C).

| LSXR configuration | Comparable CMRB sensor | Old style sensor nomenclature |
|--|------------------------|-------------------------------|
| For shortest lead times use one of the following LSXR configurations | | |
| LCOZU | CMRB 50 | MSI |
| LCH0SZU | CMRB 50 D | MSID |
| LCPZU | CMRB 50 P | MSIPED |
| LAOZU | CMRB 6 | MSI360 |
| LAH0SZU | CMRB 6 D | MSI360D |
| LAPZU | CMRB 6 P | MSI360PED |

SELECTIONS BELOW WILL EXTEND ORDER LEAD TIME. CONSULT YOUR SALES REPRESENTATIVE FOR DETAILS.

SINGLE RELAY**ORDERING INFORMATION****Example:** LAH0SZU

| Series | Lens option | Dimming/Photocell | Max. dim level | Min. dim level | Temp/Humidity | Default occupancy time delay |
|---|-----------------------|---|----------------|--------------------------------|--------------------------------|---|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360° | O None ¹ | 0 10 VDC | 5 Minimum dim level of ballast | Z None | I 30 sec |
| | B Low mount, 360° | H High/low occupancy operation | 9 9 VDC | 1 1 VDC | T Low temperature ² | D 2.5 min |
| | C High mount aisleway | P Switching photocell (on/off) ¹ | 8 8 VDC | 2 2 VDC | | X 5.0 min |
| | | M Dimming and switching photocell | 7 7 VDC | 3 3 VDC | | R 7.5 min |
| | | G Dimming and switching photocell with high/low occupancy operation | | 4 4 VDC | | U 10.0 min (with minimum 15 minute on time) |
| | | | | 5 5 VDC | | V 15.0 min |
| | | | | 6 6 VDC | | W 20.0 min |
| | | | | | | Y 30.0 min |

Notes

- 1 Max and min dim levels not applicable with this option.
- 2 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

DUAL RELAY (Available with 120, 277, and 347V only)**ORDERING INFORMATION****Example:** LA2KZU

| Series | Lens option | Poles | Operating mode | Temp/Humidity | Default occupancy time delay |
|---|-----------------------|--------------|--|--------------------------------|---|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360° | 2 Dual relay | J None | Z None | I 30 sec |
| | B Low mount, 360° | | K Alternating off relays (promotes even lamp wear) | T Low temperature ¹ | D 2.5 min |
| | C High mount aisleway | | O Alternating off relays w/photocell | | X 5.0 min |
| | | | P Switching photocell (on/off) | | R 7.5 min |
| | | | E Photocell on/off (pole 1 only) | | U 10.0 min (with minimum 15 minute on time) |
| | | | F Photocell on/off — both poles (dual set-point) | | V 15.0 min |
| | | | | | W 20.0 min |
| | | | | | Y 30.0 min |

Notes

- 1 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

Example: LENS 50 J100

| Replacement lenses: Order as separate catalog number. | | |
|---|------------------------|---------------------|
| Series | Lens type | Package quantity |
| LENS | 6 High mount 360° | (blank) Single Lens |
| | 10 Low mount 360° | J10 10-pack |
| | 50 High mount aisleway | J100 100-pack |

Type:**AL01b**

Page 5 of 6

ARUPProject Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight

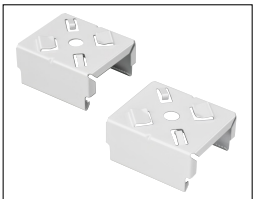
OPTIONS AND ACCESSORIES

The Z Series fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.



HANGER CHAIN
36" chain with Y hanger.

Order as:
HC36



Z SPRING HANGER
Snap 'n' lock design requires no fasteners and can be used on T-grid ceiling or universal mounting systems.

Order as:
ZSPRG



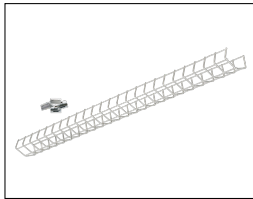
ZACVH HANGER
10' Aircraft cable with Y hanger.

Order as:
ZACVH



ANGLE MOUNTING BRACKET
Luma-tilt™ angle bracket ships as a pair

Order as:
ZLANGBKT



WIRE GUARD

Order as:
WGZ24
WGZ48

Type:
AL01b
Page 6 of 6

Manufacturer: LITHONIA LIGHTING : ZL1N
Description: Surface Mounted Linear

Fixture Wattage: 48 W
Lumen Output: 5642 lumen
Lamp CRI: 90+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Anodized Aluminum
Lamp CCT: 4000K
Assembly Code: ZL1N-L96-SMR-6000LM-SBL FST-120-40K-90CRI



FEATURES & SPECIFICATIONS

INTENDED USE — Built on the compact, low-profile Z strip channel, this LED strip offers long maintenance-free life, several color temperatures, lumen outputs and lengths. Ideal for new construction and retrofit applications in T5 and T8 lengths. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, cove and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — Compact-design channel and cover are formed from code-gauge cold-rolled steel. Easy to install row aligner included for continuous row mounting.

Finish: Paint options include high-gloss, baked white enamel (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). After fabrication, five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Standard diffuse snap on/snap off lens eliminates pixels, improves uniformity and minimizes glare. L/LENS option available.

ELECTRICAL — L70>60,000hours. Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR... ordering information on page 3.) Electronic LED driver is rated for 75 input watts maximum (see Operational Data on page two for actual wattage consumption), **multi-volt input and 0-10V dimming standard.** This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

LEDs provide nominal 80 CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,000 lumens per foot. In 86°F (30°C) ambient environments. Luminaire should be installed in applications where ambient temperatures do not exceed 86°F (30°C).

INSTALLATION — Tool-less channel cover for easy installation.

Fixture may be surface mounted (with or without ZSPRG hanger), pendant or stem mounted with appropriate mounting options. Three-point aligner locks in place for easy continuous row mounting.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -40°F (-40°C) and 86°F (30°C).

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

| |
|----------------|
| Catalog Number |
| Notes |
| Type |



LED Striplight

ZL1N

24", 48" and 96" Lengths



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

Type:

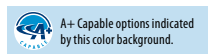
AL02

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Lighting Notes:

1. Mounting to be coordinated with architect

ZL1N LED Striplight



ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. Example: ZL1N L48 3000LM FST MVOLT 40K 80CRI WH

| Series | Length | Reflectors ² | Nominal lumens ³ | Diffuser | Voltage |
|-------------------------|--------------------------|---|--|--|--|
| ZL1N LED striplight | L24 24" ¹ | (blank) Less reflector | 1500LM 1,500 lumens | FST Snap on frosted, diffuse | MVOLT 120-277V |
| | | SMR Symmetric | 2500LM 2,500 lumens | L/LENS No diffuser | 120 120V |
| | | | 3500LM 3,500 lumens | SBL FST Straight blade louver with snap on frosted, diffuse | 208 208V |
| | L46 46" L48 48" | (blank) Less reflector ASR Asymmetric (L48 only) SMR Symmetric | 3000LM 3,000 lumens 5000LM 5,000 lumens 7000LM 7,000 lumens | | 240 240V 277 277V 347 347V ⁴ 480 480V ⁴ |
| TZL1N LED striplight | L92 92" | (blank) Less reflector | 6000LM 6,000 lumens | | |
| | L96 96" | SMR Symmetric | 10000LM 10,000 lumens 14000LM 14,000 lumens | | |

| Color temperature | Color rendering index | Options | Paint finish |
|--|------------------------------------|--|--|
| 30K 3000 K 35K 3500 K 40K 4000 K 50K 5000 K | 80CRI 80 CRI 90CRI 90 CRI | PLR____ Plug-in wiring ^{5,6} PLR1LVG Plug-in wiring-low voltage ^{6,6} E7W Emergency battery pack, 7W CA Title 20 Noncompliant ⁷ 2E7W Two Emergency battery packs, 7W CA Title 20 Noncompliant ^{7,8} E10WLCP Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ 2E10WLCP Two Emergency battery packs, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ E15WLCP Emergency battery pack, 15W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ OUTEND Cord set to exit endplate of fixture Wireless Controls⁵ NLTAIR2 RLSXR10 nLight Air Generation 2 Fixture mount, LSXR sensor low mount 360° NLTAIR2 RLSXR10EM nLight Air Generation 2 Fixture mount, LSXR sensor low mount 360°, UL924 Emergency operation ⁹ | WH White GALV Galvanized MB Matte black SKGY Smoke gray |
| | | Individual Controls⁵ LB0ZU 360° low mount motion sensor, pre-wired ¹⁰ LBH0SZU 360° low mount motion sensor with dimming, pre-wired ¹⁰ LBPZU 360° low mount motion sensor with photocell, pre-wired ¹⁰ LBM0SZU 360° low mount motion sensor, dimming & switching photocell, pre-wired ¹⁰ Cord sets:¹¹ CS1W Straight plug, 120V CS3W Twist-lock, 120V CS7W Straight plug, 277V CS11W Twist-lock, 277V CS25W Twist-lock, 347V CS97W Twist-lock, 480V CS93W 600V SE00W white cord, no plug (no voltage required) | |

| Accessories: Order as separate catalog number. | | | |
|--|---|------------------------|--|
| HC36 | Hanger chain, 36" | ZLR L24 SYM WH | 24" symmetric reflector, white finish |
| ZACVH | Aircraft cable 10' (one pair) | ZLR L46 SYM UPL WH | 46" symmetric reflector with uplight, white finish |
| ZLANGBKT | Luma-tilt™ angle bracket for shelf or ledge mounting only | ZLR L46 SYM WH | 46" symmetric reflector, white finish |
| SQ_ | Stem kit, 2" increments up to 48" | ZLR L48 ASY WH | 48" asymmetric reflector, white finish |
| NPP16D | nLight® switching/dimming module | ZLR L48 SYM UPL WH | 48" symmetric reflector with uplight, white finish |
| rPP20D | nLight® Air switching/dimming module | ZLR L48 SYM WH | 48" symmetric reflector, white finish |
| LSXR | Sensor Switch™ LSXR occupancy sensor ⁴ | ZLR L92 SYM UPL WH | 92" symmetric reflector with uplight, white finish |
| ZSPRG | For 15/16" T-grid only | ZLR L92 SYM WH | 92" symmetric reflector, white finish |
| WGZ24 | 24" wireguard, white ¹² | ZLR L96 SYM UPL WH | 96" symmetric reflector with uplight, white finish |
| WGZ48 | 48" wireguard, white ^{12,13} | ZLR L96 SYM WH | 96" symmetric reflector, white finish |
| ZLR L24 SYM UPL WH | 24" symmetric reflector with uplight, white finish | UNIVERSAL REFL ALIGNER | Universal reflector aligners, quantity 1 |

- Notes**
- Not available with 347V, 480V or Batteries
 - Optional. Reflectors ship separately.
 - See Operational Data on page 2 for actual lumens.
 - Utilizes step down transformer.
 - See ordering information on pages 4 and 5 and [rLSXR specification sheet](#) for more configurations. When choosing Sensor and PLR for same fixture, consult the factory.
 - Not available with cord sets.
 - MVOLT only. Not available with cord sets with plugs. Battery Spec sheet linked for more information.
 - Only available with 10,000LM and 14,000LM packages.
 - MVOLT only.
 - Available with MVOLT, 347V and 480V only. This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 6 for low temperature option providing -4°F (-20°C) minimum ambient. Sensors come prewired, they must be snapped into place at time of installation.
 - Cordsets exit back of fixture unless OUTEND option is specified. Must specify voltage (not required when ordering CS93W).
 - Not compatible with reflector
 - Order 2 for tandem double length fixtures (TZL1N).

Type:
AL02
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ARUP
Project Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight

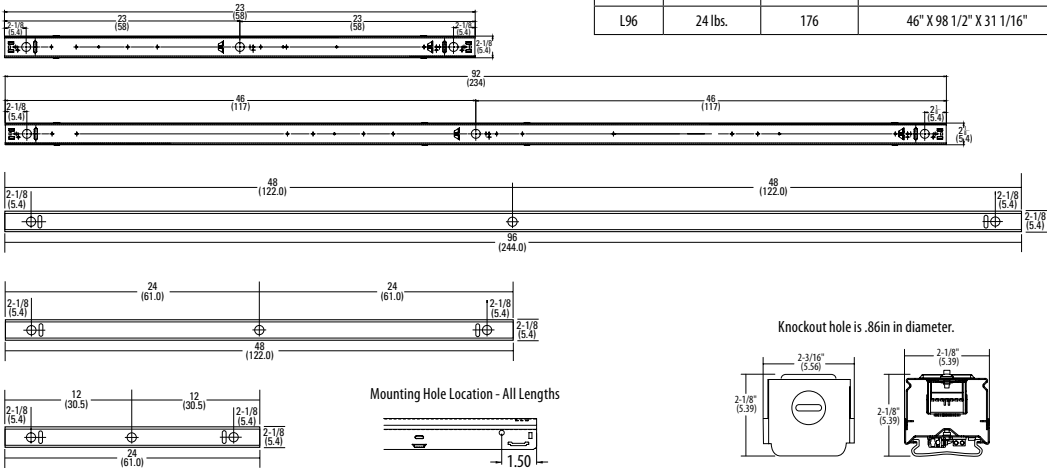
Type: **AL02**
Page 3 of 6

| OPERATIONAL DATA | | | | | | | | | | | | |
|------------------|-----------------------|-----------------|---|--------|---|--------|---|--------|---|--------|---------------------|--|
| | Nominal lumen package | Length (inches) | Delivered Lumens 3000 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 3500 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 4000 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 5000 K CCT @ 77°F (25°C) ambient temperature | | Wattage @ 120V/277V | Comparable Light Source |
| | | | 80 CRI | 90 CRI | 80 CRI | 90 CRI | 80 CRI | 90 CRI | 80 CRI | 90 CRI | | |
| Lensed | 1500LM | 24 | 1738 | 1409 | 1777 | 1467 | 1804 | 1494 | 1871 | 1528 | 15 | 1-lamp 17W T8 |
| | 2500LM | 24 | 2265 | 1846 | 2315 | 1900 | 2351 | 1947 | 2438 | 1991 | 19 | 1-lamp 17W T8 |
| | 3500LM | 24 | 3586 | 2924 | 3666 | 3026 | 3723 | 3084 | 3860 | 3152 | 31 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 3000LM | 46 or 48 | 3172 | 2586 | 3243 | 2677 | 3293 | 2728 | 3415 | 2788 | 25 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 5000LM | 46 or 48 | 4417 | 3601 | 4515 | 3727 | 4585 | 3798 | 4754 | 3882 | 34 | 2-lamp 32W T8, 1-lamp 54W TSHO, 70W HID |
| | 7000LM | 46 or 48 | 6535 | 5328 | 6681 | 5515 | 6785 | 5619 | 7035 | 5744 | 52 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 6000LM | 92 or 96 | 6561 | 5349 | 6708 | 5537 | 6812 | 5642 | 7063 | 5767 | 48 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 10000LM | 92 or 96 | 8687 | 7082 | 8881 | 7331 | 9019 | 7470 | 9351 | 7636 | 68 | 4-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 14000LM | 92 or 96 | 12457 | 10513 | 12735 | 10665 | 12933 | 10711 | 13409 | 10949 | 104 | 4-lamp 32W T8, 3-lamp 54W TSHO, 150W HID |
| Unlensed | 1500LM | 24 | 1881 | 1534 | 1923 | 1588 | 1953 | 1618 | 2025 | 1654 | 15 | 1-lamp 17W T8 |
| | 2500LM | 24 | 2452 | 1999 | 2506 | 2069 | 2545 | 2108 | 2639 | 2155 | 19 | 1-lamp 17W T8 |
| | 3500LM | 24 | 3882 | 3165 | 3969 | 3276 | 4031 | 3338 | 4179 | 3412 | 31 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 3000LM | 46 or 48 | 3434 | 2800 | 3511 | 2898 | 3565 | 2953 | 3697 | 3019 | 25 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 5000LM | 46 or 48 | 4781 | 3898 | 4888 | 4035 | 4964 | 4111 | 5147 | 4203 | 34 | 2-lamp 32W T8, 1-lamp 54W TSHO, 70W HID |
| | 7000LM | 46 or 48 | 7075 | 5768 | 7233 | 5971 | 7345 | 6083 | 7616 | 6219 | 52 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 6000LM | 92 or 96 | 7103 | 5791 | 7261 | 5995 | 7374 | 6108 | 7646 | 6243 | 48 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 10000LM | 92 or 96 | 9404 | 7667 | 9614 | 7937 | 9764 | 8087 | 10123 | 8266 | 68 | 4-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 14000LM | 92 or 96 | 13485 | 10994 | 13786 | 11381 | 14001 | 11596 | 14516 | 11853 | 104 | 4-lamp 32W T8, 3-lamp 54W TSHO, 150W HID |

DIMENSIONS

All dimensions are shown in inches (centimeters) unless otherwise noted.
Specifications subject to change without notice.

| PALLET DIMENSIONS | | | |
|-------------------|--------------------|---------------------|---|
| Length | Approximate weight | Fixtures per pallet | Approximate pallet dimensions (L x W x H) |
| L24 | 7 lbs. | 408 | 46" X 51" X 32 11/16" |
| L46 | 11 lbs. | 176 | 46" X 51" X 32 1/16" |
| L48 | 12 lbs. | 176 | 46" X 51" X 31 3/8" |
| L92 | 22 lbs. | 176 | 46" X 98 1/2" X 31 1/16" |
| L96 | 24 lbs. | 176 | 46" X 98 1/2" X 31 1/16" |



PHOTOMETRICS

Please see www.lithonia.com

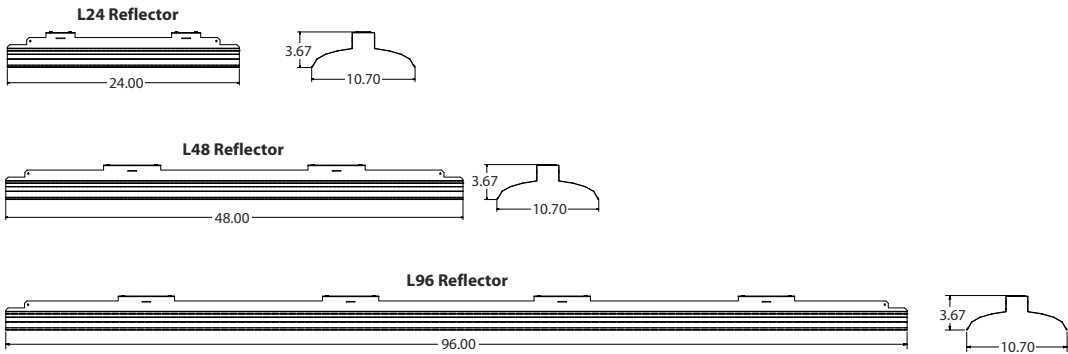
INDUSTRIAL

ZL1N
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ARUP
Project Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight

REFLECTORS (Optional)



PHOTOMETRICS

Please see www.lithonia.com

PRODUCT INFORMATION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Note: Specifications subject to change without notice.



Wiring
PLR

Advanced 1 or 2-Circuit Plug-In

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

| Series | Number of hot wires | Branch circuits | Dimming | Ground |
|--------|-----------------------------|---|------------------------|--------------------|
| PLR | (blank) Not required for 22 | Circuits to which ballast is connected | | |
| PLR22 | 1 Black | (blank) Not required for 22 or PLR1 | LV Low-voltage dimming | G Ground, required |
| | 2 Black and red | A Black wire | | |
| | | B Red wire | | |
| | | ELA Emergency circuit wired to black wire | | |
| | | ELB Emergency circuit wired to red wire | | |

Typical Applications

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits, 2-circuit (PLR 22)
- Multiple circuit with night-lights located along row as desired

Type:

AL02
Page 4 of 6

ARUP
Project Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight**LSXR — Fixture Mount Occupancy Sensor** (see www.AcuityControls.com for additional information)

- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of T5 and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Sensor ambient temperature rating of 14°F (-10°C) to 131°F (55°C).

| LSXR configuration | Comparable CMRB sensor | Old style sensor nomenclature |
|--|------------------------|-------------------------------|
| For shortest lead times use one of the following LSXR configurations | | |
| LCOZU | CMRB 50 | MSI |
| LCH0SZU | CMRB 50 D | MSID |
| LCPZU | CMRB 50 P | MSIPED |
| LAOZU | CMRB 6 | MSI360 |
| LAH0SZU | CMRB 6 D | MSI360D |
| LAPZU | CMRB 6 P | MSI360PED |

SELECTIONS BELOW WILL EXTEND ORDER LEAD TIME. CONSULT YOUR SALES REPRESENTATIVE FOR DETAILS.

SINGLE RELAY**ORDERING INFORMATION****Example:** LAH0SZU

| Series | Lens option | Dimming/Photocell | Max. dim level | Min. dim level | Temp/Humidity | Default occupancy time delay |
|---|--|--|---|--|--|--|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360° B Low mount, 360° C High mount aisleway | O None ¹ H High/low occupancy operation P Switching photocell (on/off) ¹ M Dimming and switching photocell G Dimming and switching photocell with high/low occupancy operation | 0 10 VDC 9 9 VDC 8 8 VDC 7 7 VDC | 5 Minimum dim level of ballast 1 1 VDC 2 2 VDC 3 3 VDC 4 4 VDC 5 5 VDC 6 6 VDC | Z None T Low temperature ² | I 30 sec D 2.5 min X 5.0 min R 7.5 min U 10.0 min (with minimum 15 minute on time) V 15.0 min W 20.0 min Y 30.0 min |

Notes

- 1 Max and min dim levels not applicable with this option.
- 2 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

DUAL RELAY (Available with 120, 277, and 347V only)**ORDERING INFORMATION****Example:** LA2KZU

| Series | Lens option | Poles | Operating mode | Temp/Humidity | Default occupancy time delay |
|---|--|--------------|---|--|--|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360° B Low mount, 360° C High mount aisleway | 2 Dual relay | J None K Alternating off relays (promotes even lamp wear) O Alternating off relays w/photocell P Switching photocell(on/off) E Photocell on/off (pole 1 only) F Photocell on/off - both poles (dual set-point) | Z None T Low temperature ¹ | I 30 sec D 2.5 min X 5.0 min R 7.5 min U 10.0 min (with minimum 15 minute on time) V 15.0 min W 20.0 min Y 30.0 min |

Notes

- 1 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

Example: LENS 50 J100

| Replacement lenses: Order as separate catalog number. | | |
|---|------------------------|---------------------|
| Series | Lens type | Package quantity |
| LENS | 6 High mount 360° | (blank) Single Lens |
| | 10 Low mount 360° | J10 10-pack |
| | 50 High mount aisleway | J100 100-pack |

Type:**AL02**

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ARUPProject Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight

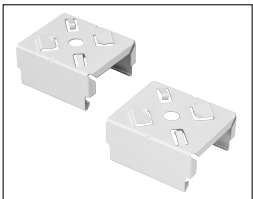
OPTIONS AND ACCESSORIES

The Z Series fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.



HANGER CHAIN
36" chain with Y hanger.

Order as:
HC36



Z SPRING HANGER
Snap 'n' lock design requires no fasteners and can be used on T-grid ceiling or universal mounting systems.

Order as:
ZSPRG



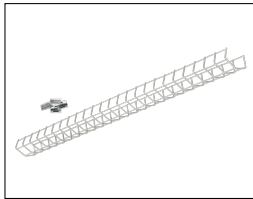
ZACVH HANGER
10' Aircraft cable with Y hanger.

Order as:
ZACVH



ANGLE MOUNTING BRACKET
Luma-tilt™ angle bracket ships as a pair

Order as:
ZLANGBKT



WIRE GUARD

Order as:
WGZ24
WGZ48

Type:

AL02

Page 6 of 6

Manufacturer: LITHONIA LIGHTING : ZL1N
Description: Surface Mounted Linear

Fixture Wattage: 25 W
Lumen Output: 2728 lumen
Lamp CRI: 90+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Anodized Aluminum
Lamp CCT: 4000K
Assembly Code: ZL1N-L48-SMR-10000LM-SBL FST-120-40K-90CRI



FEATURES & SPECIFICATIONS

INTENDED USE — Built on the compact, low-profile Z strip channel, this LED strip offers long maintenance-free life, several color temperatures, lumen outputs and lengths. Ideal for new construction and retrofit applications in T5 and T8 lengths. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, cove and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — Compact-design channel and cover are formed from code-gauge cold-rolled steel. Easy to install row aligner included for continuous row mounting.

Finish: Paint options include high-gloss, baked white enamel (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). After fabrication, five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Standard diffuse snap on/snap off lens eliminates pixels, improves uniformity and minimizes glare. L/LENS option available.

ELECTRICAL — L70>60,000hours. Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR... ordering information on page 3.) Electronic LED driver is rated for 75 input watts maximum (see Operational Data on page two for actual wattage consumption), **multi-volt input and 0-10V dimming standard.** This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

LEDs provide nominal 80 CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,000 lumens per foot. In 86°F (30°C) ambient environments. Luminaire should be installed in applications where ambient temperatures do not exceed 86°F (30°C).

INSTALLATION — Tool-less channel cover for easy installation.

Fixture may be surface mounted (with or without ZSPRG hanger), pendant or stem mounted with appropriate mounting options. Three-point aligner locks in place for easy continuous row mounting.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -40°F (-40°C) and 86°F (30°C).

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

| |
|----------------|
| Catalog Number |
| Notes |
| Type |



LED Striplight

ZL1N

24", 48" and 96" Lengths



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

Type:

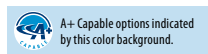
AL02a

Page 1 of 6

Lighting Notes:

1. Mounting to be coordinated with architect

ZL1N LED Striplight



ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. Example: ZL1N L48 3000LM FST MVOLT 40K 80CRI WH

| Series | Length | Reflectors ² | Nominal lumens ³ | Diffuser | Voltage |
|-------------------------|--------------------------|---|--|--|--|
| ZL1N LED striplight | L24 24" ¹ | (blank) Less reflector | 1500LM 1,500 lumens | FST Snap on frosted, diffuse | MVOLT 120-277V |
| | | SMR Symmetric | 2500LM 2,500 lumens | L/LENS No diffuser | 120 120V |
| | | | 3500LM 3,500 lumens | SBL FST Straight blade louver with snap on frosted, diffuse | 208 208V |
| | L46 46" L48 48" | (blank) Less reflector ASR Asymmetric (L48 only) SMR Symmetric | 3000LM 3,000 lumens 5000LM 5,000 lumens 7000LM 7,000 lumens | | 240 240V 277 277V 347 347V ⁴ 480 480V ⁴ |
| TZL1N LED striplight | L92 92" | (blank) Less reflector | 6000LM 6,000 lumens | | |
| | L96 96" | SMR Symmetric | 10000LM 10,000 lumens 14000LM 14,000 lumens | | |

| Color temperature | Color rendering index | Options | Paint finish |
|--|------------------------------------|--|--|
| 30K 3000 K 35K 3500 K 40K 4000 K 50K 5000 K | 80CRI 80 CRI 90CRI 90 CRI | PLR____ Plug-in wiring ^{5,6} PLR1LVG Plug-in wiring-low voltage ^{6,6} E7W Emergency battery pack, 7W CA Title 20 Noncompliant ⁷ 2E7W Two Emergency battery packs, 7W CA Title 20 Noncompliant ^{7,8} E10WLCP Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ 2E10WLCP Two Emergency battery packs, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ E15WLCP Emergency battery pack, 15W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ OUTEND Cord set to exit endplate of fixture Wireless Controls⁵ NLTAIR2 RLSXR10 nLight Air Generation 2 Fixture mount, LSXR sensor low mount 360° NLTAIR2 RLSXR10EM nLight Air Generation 2 Fixture mount, LSXR sensor low mount 360°, UL924 Emergency operation ⁹ | WH White GALV Galvanized MB Matte black SKGY Smoke gray |
| | | Individual Controls⁵ LB0ZU 360° low mount motion sensor, pre-wired ¹⁰ LBH0SZU 360° low mount motion sensor with dimming, pre-wired ¹⁰ LBPZU 360° low mount motion sensor with photocell, pre-wired ¹⁰ LBM0SZU 360° low mount motion sensor, dimming & switching photocell, pre-wired ¹⁰ Cord sets:¹¹ CS1W Straight plug, 120V CS3W Twist-lock, 120V CS7W Straight plug, 277V CS11W Twist-lock, 277V CS25W Twist-lock, 347V CS97W Twist-lock, 480V CS93W 600V SE00W white cord, no plug (no voltage required) | |

| Accessories: Order as separate catalog number. | | | |
|--|---|------------------------|--|
| HC36 | Hanger chain, 36" | ZLR L24 SYM WH | 24" symmetric reflector, white finish |
| ZACVH | Aircraft cable 10' (one pair) | ZLR L46 SYM UPL WH | 46" symmetric reflector with uplight, white finish |
| ZLANGBKT | Luma-tilt™ angle bracket for shelf or ledge mounting only | ZLR L46 SYM WH | 46" symmetric reflector, white finish |
| SQ_ | Stem kit, 2" increments up to 48" | ZLR L48 ASY WH | 48" asymmetric reflector, white finish |
| NPP16D | nLight® switching/dimming module | ZLR L48 SYM UPL WH | 48" symmetric reflector with uplight, white finish |
| rPP20D | nLight® Air switching/dimming module | ZLR L48 SYM WH | 48" symmetric reflector, white finish |
| LSXR | Sensor Switch™ LSXR occupancy sensor ⁴ | ZLR L92 SYM UPL WH | 92" symmetric reflector with uplight, white finish |
| ZSPRG | For 15/16" T-grid only | ZLR L92 SYM WH | 92" symmetric reflector, white finish |
| WGZ24 | 24" wireguard, white ¹² | ZLR L96 SYM UPL WH | 96" symmetric reflector with uplight, white finish |
| WGZ48 | 48" wireguard, white ^{12,13} | ZLR L96 SYM WH | 96" symmetric reflector, white finish |
| ZLR L24 SYM UPL WH | 24" symmetric reflector with uplight, white finish | UNIVERSAL REFL ALIGNER | Universal reflector aligners, quantity 1 |

- Notes**
- Not available with 347V, 480V or Batteries
 - Optional. Reflectors ship separately.
 - See Operational Data on page 2 for actual lumens.
 - Utilizes step down transformer.
 - See ordering information on pages 4 and 5 and [rLSXR specification sheet](#) for more configurations. When choosing Sensor and PLR for same fixture, consult the factory.
 - Not available with cord sets.
 - MVOLT only. Not available with cord sets with plugs. Battery Spec sheet linked for more information.
 - Only available with 10,000LM and 14,000LM packages.
 - MVOLT only.
 - Available with MVOLT, 347V and 480V only. This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 6 for low temperature option providing -4°F (-20°C) minimum ambient. Sensors come prewired, they must be snapped into place at time of installation.
 - Cordsets exit back of fixture unless OUTEND option is specified. Must specify voltage (not required when ordering CS93W).
 - Not compatible with reflector
 - Order 2 for tandem double length fixtures (TZL1N).

Type:
AL02a
Page 2 of 6

ARUP
Project Number: 271565
Phone: 1 212 896 3000

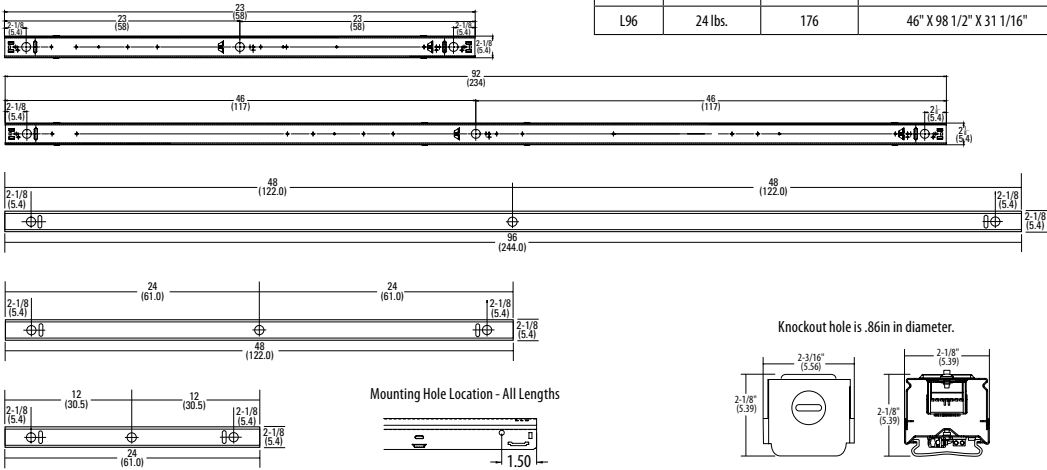
ZL1N LED Striplight

| OPERATIONAL DATA | | | | | | | | | | | | |
|------------------|-----------------------------|--------------------|---|--------|---|--------|---|--------|---|--------|---------------------------|--|
| | Nominal lumen package | Length (inches) | Delivered Lumens 3000 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 3500 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 4000 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 5000 K CCT @ 77°F (25°C) ambient temperature | | Wattage @ 120V/277V | Comparable Light Source |
| | | | 80 CRI | 90 CRI | 80 CRI | 90 CRI | 80 CRI | 90 CRI | 80 CRI | 90 CRI | | |
| Lensed | 1500LM | 24 | 1738 | 1409 | 1777 | 1467 | 1804 | 1494 | 1871 | 1528 | 15 | 1-lamp 17W T8 |
| | 2500LM | 24 | 2265 | 1846 | 2315 | 1900 | 2351 | 1947 | 2438 | 1991 | 19 | 1-lamp 17W T8 |
| | 3500LM | 24 | 3586 | 2924 | 3666 | 3026 | 3723 | 3084 | 3860 | 3152 | 31 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 3000LM | 46 or 48 | 3172 | 2586 | 3243 | 2677 | 3293 | 2728 | 3415 | 2788 | 25 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 5000LM | 46 or 48 | 4417 | 3601 | 4515 | 3727 | 4585 | 3798 | 4754 | 3882 | 34 | 2-lamp 32W T8, 1-lamp 54W TSHO, 70W HID |
| | 7000LM | 46 or 48 | 6535 | 5328 | 6681 | 5515 | 6785 | 5619 | 7035 | 5744 | 52 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 6000LM | 92 or 96 | 6561 | 5349 | 6708 | 5537 | 6812 | 5642 | 7063 | 5767 | 48 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 10000LM | 92 or 96 | 8687 | 7082 | 8881 | 7331 | 9019 | 7470 | 9351 | 7636 | 68 | 4-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 14000LM | 92 or 96 | 12457 | 10513 | 12735 | 10665 | 12933 | 10711 | 13409 | 10949 | 104 | 4-lamp 32W T8, 3-lamp 54W TSHO, 150W HID |
| Unlensed | 1500LM | 24 | 1881 | 1534 | 1923 | 1588 | 1953 | 1618 | 2025 | 1654 | 15 | 1-lamp 17W T8 |
| | 2500LM | 24 | 2452 | 1999 | 2506 | 2069 | 2545 | 2108 | 2639 | 2155 | 19 | 1-lamp 17W T8 |
| | 3500LM | 24 | 3882 | 3165 | 3969 | 3276 | 4031 | 3338 | 4179 | 3412 | 31 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 3000LM | 46 or 48 | 3434 | 2800 | 3511 | 2898 | 3565 | 2953 | 3697 | 3019 | 25 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 5000LM | 46 or 48 | 4781 | 3898 | 4888 | 4035 | 4964 | 4111 | 5147 | 4203 | 34 | 2-lamp 32W T8, 1-lamp 54W TSHO, 70W HID |
| | 7000LM | 46 or 48 | 7075 | 5768 | 7233 | 5971 | 7345 | 6083 | 7616 | 6219 | 52 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 6000LM | 92 or 96 | 7103 | 5791 | 7261 | 5995 | 7374 | 6108 | 7646 | 6243 | 48 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 10000LM | 92 or 96 | 9404 | 7667 | 9614 | 7937 | 9764 | 8087 | 10123 | 8266 | 68 | 4-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 14000LM | 92 or 96 | 13485 | 10994 | 13786 | 11381 | 14001 | 11596 | 14516 | 11853 | 104 | 4-lamp 32W T8, 3-lamp 54W TSHO, 150W HID |

DIMENSIONS

All dimensions are shown in inches (centimeters) unless otherwise noted.
Specifications subject to change without notice.

| PALLET DIMENSIONS | | | |
|-------------------|--------------------|---------------------|---|
| Length | Approximate weight | Fixtures per pallet | Approximate pallet dimensions (L x W x H) |
| L24 | 7 lbs. | 408 | 46" X 51" X 32 11/16" |
| L46 | 11 lbs. | 176 | 46" X 51" X 32 1/16" |
| L48 | 12 lbs. | 176 | 46" X 51" X 31 3/8" |
| L92 | 22 lbs. | 176 | 46" X 98 1/2" X 31 1/16" |
| L96 | 24 lbs. | 176 | 46" X 98 1/2" X 31 1/16" |



PHOTOMETRICS

Please see www.lithonia.com

INDUSTRIAL

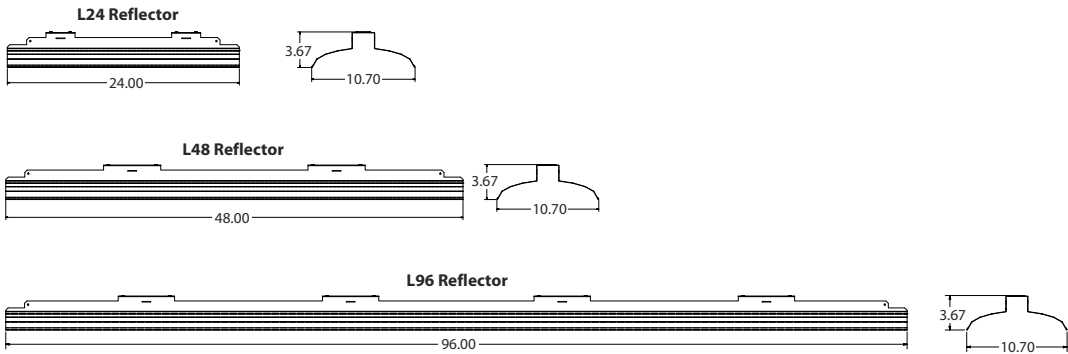
ZL1N
Page 3 of 6

Type:
AL02a
Page 3 of 6

ARUP
Project Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight

REFLECTORS (Optional)



PHOTOMETRICS

Please see www.lithonia.com

PRODUCT INFORMATION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Note: Specifications subject to change without notice.



Wiring
PLR

Advanced 1 or 2-Circuit Plug-In

| ORDERING INFORMATION | | Lead times will vary depending on options selected. Consult with your sales representative. | | | | | |
|----------------------|-----------------------------|---|---|---|--|------------------------|--------------------|
| Series | Number of hot wires | Branch circuits | | | | Dimming | Ground |
| PLR | (blank) Not required for 22 | Circuits to which ballast is connected | | | | LV Low-voltage dimming | G Ground, required |
| PLR22 | 1 Black | (blank) Not required for 22 or PLR1 | (blank) No emergency circuit | ELA Emergency circuit wired to black wire | | | |
| | 2 Black and red | A Black wire | ELB Emergency circuit wired to red wire | | | | |

- Typical Applications
- Multiple-circuit and single-circuit for longer continuous rows
 - Multiple-circuit with alternating fixtures on separate circuits, 2-circuit (PLR 22)
 - Multiple circuit with night-lights located along row as desired

Type:
AL02a
Page 4 of 6

ARUP
Project Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight**LSXR — Fixture Mount Occupancy Sensor** (see www.AcuityControls.com for additional information)

- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of TS and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Sensor ambient temperature rating of 14°F (-10°C) to 131°F (55°C).

| LSXR configuration | Comparable CMRB sensor | Old style sensor nomenclature |
|--|------------------------|-------------------------------|
| For shortest lead times use one of the following LSXR configurations | | |
| LCOZU | CMRB 50 | MSI |
| LCH0SZU | CMRB 50 D | MSID |
| LCPZU | CMRB 50 P | MSIPED |
| LAOZU | CMRB 6 | MSI360 |
| LAH0SZU | CMRB 6 D | MSI360D |
| LAPZU | CMRB 6 P | MSI360PED |

SELECTIONS BELOW WILL EXTEND ORDER LEAD TIME. CONSULT YOUR SALES REPRESENTATIVE FOR DETAILS.

SINGLE RELAY**ORDERING INFORMATION****Example:** LAH0SZU

| Series | Lens option | Dimming/Photocell | Max. dim level | Min. dim level | Temp/Humidity | Default occupancy time delay |
|---|--|--|---|--|--|--|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360° B Low mount, 360° C High mount aisleway | O None ¹ H High/low occupancy operation P Switching photocell (on/off) ¹ M Dimming and switching photocell G Dimming and switching photocell with high/low occupancy operation | 0 10 VDC 9 9 VDC 8 8 VDC 7 7 VDC | 5 Minimum dim level of ballast 1 1 VDC 2 2 VDC 3 3 VDC 4 4 VDC 5 5 VDC 6 6 VDC | Z None T Low temperature ² | I 30 sec D 2.5 min X 5.0 min R 7.5 min U 10.0 min (with minimum 15 minute on time) V 15.0 min W 20.0 min Y 30.0 min |

Notes

- 1 Max and min dim levels not applicable with this option.
- 2 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

DUAL RELAY (Available with 120, 277, and 347V only)**ORDERING INFORMATION****Example:** LA2KZU

| Series | Lens option | Poles | Operating mode | Temp/Humidity | Default occupancy time delay |
|---|--|--------------|---|--|--|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360° B Low mount, 360° C High mount aisleway | 2 Dual relay | J None K Alternating off relays (promotes even lamp wear) O Alternating off relays w/photocell P Switching photocell(on/off) E Photocell on/off (pole 1 only) F Photocell on/off - both poles (dual set-point) | Z None T Low temperature ¹ | I 30 sec D 2.5 min X 5.0 min R 7.5 min U 10.0 min (with minimum 15 minute on time) V 15.0 min W 20.0 min Y 30.0 min |

Notes

- 1 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

Example: LENS 50 J100

| Replacement lenses: Order as separate catalog number. | | |
|---|------------------------|---------------------|
| Series | Lens type | Package quantity |
| LENS | 6 High mount 360° | (blank) Single Lens |
| | 10 Low mount 360° | J10 10-pack |
| | 50 High mount aisleway | J100 100-pack |

Type:

AL02a

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ARUPProject Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight

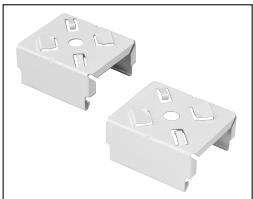
OPTIONS AND ACCESSORIES

The Z Series fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.



HANGER CHAIN
36" chain with Y hanger.

Order as:
HC36



Z SPRING HANGER
Snap 'n' lock design requires no fasteners and can be used on T-grid ceiling or universal mounting systems.

Order as:
ZSPRG



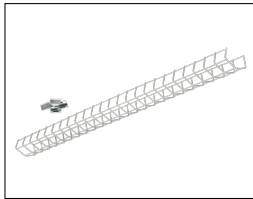
ZACVH HANGER
10' Aircraft cable with Y hanger.

Order as:
ZACVH



ANGLE MOUNTING BRACKET
Luma-tilt™ angle bracket ships as a pair

Order as:
ZLANGBKT



WIRE GUARD

Order as:
WGZ24
WGZ48

Type:
AL02a
Page 6 of 6

Manufacturer: CORONET : LSR2 LED LTG1
Description: Recessed Linear

Fixture Wattage: 29 W
Lumen Output: 2700 lumen
Lamp CRI: 90+

Lighting Controls: 0-10V Dimming

Voltage: 120 V

Fixture Finish: Galvanized, Clear anodized or custom RAL

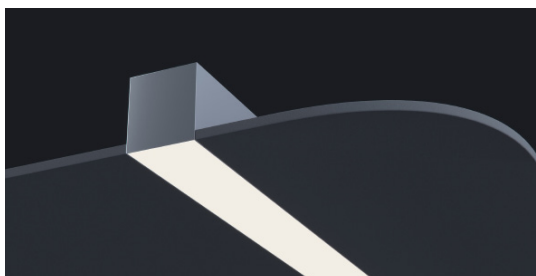
Lamp CCT: 4000K

Assembly Code: LSR2 LED 4 40 LTG1 UNV DB1% CC F SD

Coronet

LSR2 LED


DATE PROJECT FIRM TYPE



Narrow, recessed, architectural luminaire with semi-recessed lens (protrudes 3/8" from ceiling). For use in indoor applications where an LED luminaire with small profile providing continuous light is required. Suitable for grid systems or drywall installation as well as custom mounting requests.

FEATURES

- Available In Made To Measure Lengths Accurate Up To 1/16"
- Patterns Available (See Page 3)
- Damp Location Rated
- CRI 90+ Standard; R9>50
- 5 Year, 50,000 Hour Fixture Warranty
- 2700K, 3000K, 3500K, 4000K & 5000K Color Temperatures Available
- Available with PoE

| | | | |
|---|---|--|---|
| APPLICATIONS | Offices, Lobbies, Retail Stores, Classrooms, Reception Areas & Corridors | | |
| CONSTRUCTION | Extruded Aluminum Housing with Steel End Caps. Formed Steel Gear Tray | OPTICS | Extruded High Transmission Satin Acrylic Lens with No LED Imaging. Flat Lens Optional |
| WARRANTY | 5 Year Limited Warranty (Covers Standard Components) | | FINISH Standard Powder-Coated White. Custom RAL Colors Available |
| FIXTURE RATINGS & CERTIFICATIONS | Union Made ETL Listed | Made In The USA Damp Location Rated |  <p>*Must Specify JA8 Compliant Driver</p> |
| ELECTRICAL | Integral Driver with 0-10V Dimming Standard. Several Driver Options Available | | |

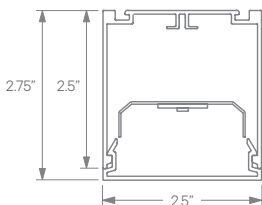
DRIVERS & SENSORS

For Wiring Diagrams and Sensor Information Click [Here](#)



EXTRUSION DIMENSIONS

NOTE: STANDARD LENS SITS 1/4" BELOW EXTRUDED HOUSING. FLUSH LENS OPTION AVAILABLE.



LED SYSTEM INFORMATION

| | Nominal System Watts | Nominal Delivered Lumens | Nominal Efficacy |
|-----------------|----------------------|--------------------------|------------------|
| Standard (LTG1) | 7.25 W/ft | 675 lm/ft | 94 LPW |
| Low (LTG2) | 5 W/ft | 508 lm/ft | 95 LPW |
| High (LTG3) | 10 W/ft | 914 lm/ft | 92 LPW |

Based on a 3500K luminaire using one driver. Custom outputs available; specify below.

ORDERING

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|--|---|---|--|--|---|---|---|----|----|----|
| 1 - FIXTURE ID | 2 - LENGTH | 3 - COLOR TEMP | 4 - LED SYSTEM | 5 - VOLTAGE | 6 - DRIVER | | | | | | |
| LSR2 LED | 2 - 2 ft 4 - 4 ft 8 - 8 ft X"-X" - Specify Length PAT - Pattern (Consult Factory) | 27 - 2700K/90 CRI 30 - 3000K/90 CRI 35 - 3500K/90 CRI 40 - 4000K/90 CRI 50 - 5000K/90 CRI TW* - Tunable White RGBW** - RGB + 3000K *Must use DMX or TW10 Driver **Must use DMX Driver | LTG1 - Standard LTG2 - Low LTG3 - High LTGC - Custom Output | UNV - Universal (120/277V) | DB - Standard Dimming (0-10V) DB1% - 1% Dimming (0-10V) DB.1% - 0.1% Dimming (0-10V) LTEA - Lutron 2-wire 1% Dimming (120V only) LDE1 - Lutron Digital EcoSystem LDE5 - 5 Series EcoSystem; 5% Dimming JA8 - JA8 Compliant 1% Dimming (0-10V) PoE - Power over Ethernet. Consult Factory for Compatibility DMX - For Color Tuning and RGBW (Remote) TW10 - Dual Channel, 0-10V For Color Tuning (CCT and Intensity Control) | | | | | | |
| 7 - FINISH | 8 - MOUNTING | 9 - OPTICS | 10 - CONTROL (Optional) | 11 - CIRCUIT (Optional) | 11 - OTHER OPTIONS | | | | | | |
| W - White (Standard) CC - Custom Color (provide RAL#) | T - 9/16" Tee Grid T15 - 15/16" Tee Grid SG - Slot Grid/Interlude F - Flange NT - No Trim/Spackle Flange PM-X* - Perimeter Mount *X denotes mounting type on opposite side of wall (ie-PM-NT). Consult Factory | SD - Standard Diffuser FL - Flat Lens | EIS - Enlighted Sensor WISD - Wattstopper Daylight Sensor WISM - Wattstopper Occupancy Sensor SLS - SensiLUM Sensor ACS - Acuity Controls nLight System CCS - Casambi Compatible ECS - Eaton WaveLink System *For other control systems not listed consult factory | EM 120V - Emergency Pack EM 277V - Emergency Pack | WH6 - 6ft Whips Preinstalled CP - Chicago Plenum | | | | | | |

CORONET, Inc.
55 Shepherds Lane
Totowa, NJ 07512

T 973 345 7660
F 973 345 8705

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WWW.CORONETLED.COM

1/3

Type:

AL12

Page 1 of 3

Lighting Notes:

1. Fixture finish to be specified by architect.
2. Add Alternate: Standard Finish

ARUP

Project Number: 271565
Phone: 1 212 896 3000



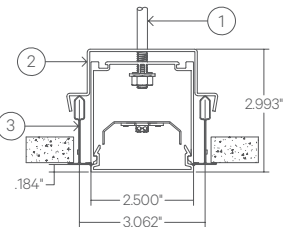
LSR2 LED

| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|

Type: **AL12**
Page 2 of 3

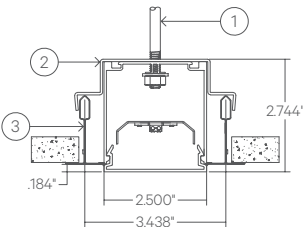
MOUNTING OPTIONS

T - 9/16" Tee Grid



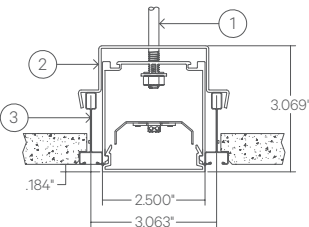
- 1 - Threaded Rod (not supplied)
- 2 - Tee Grid Bracket
- 3 - Tee Grid

T15 - 15/16" Tee Grid



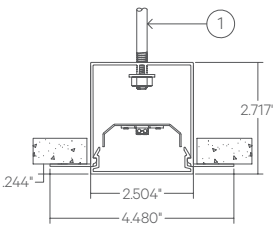
- 1 - Threaded Rod (not supplied)
- 2 - Tee Grid Bracket
- 3 - Tee Grid

SG - Slot Grid/Interlude



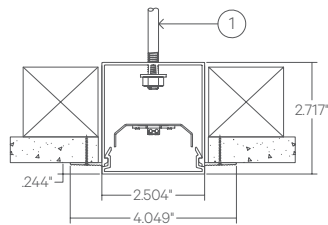
- 1 - Threaded Rod (not supplied)
- 2 - Slot Grid Bracket
- 3 - Slot Grid

F - Flange



- 1 - Threaded Rod (not supplied)

NT - No Trim/Spackle Flange



- 1 - Threaded Rod (not supplied)

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ARUP
Project Number: 271565
Phone: 1 212 896 3000



LSR2 LED

| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|

PATTERNS

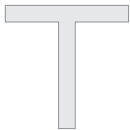
Patterns feature illuminated corners and angles. **Must consult factory for custom corners and patterns.**



Square Patterns



X Patterns



T Patterns

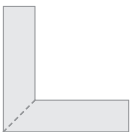


Custom Angles



Custom Patterns

LENS CUT



Mitered

Type:

AL12

Page 3 of 3

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3/3

Updated: 07/21/2020

ARUP

Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: CORONET : LSR2 LED LTG1
Description: Recessed Linear

Fixture Wattage: 60 W
Lumen Output: 5400 lumen
Lamp CRI: 90+

Lighting Controls: 0-10V Dimming

Voltage: 120 V

Fixture Finish: Anodized Aluminum

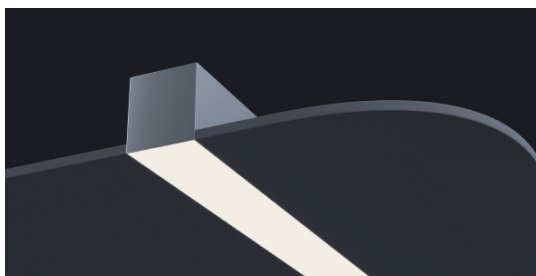
Lamp CCT: 4000K

Assembly Code: LSR2 LED 8 40 LTG1 UNV DB1% CC F SD

Coronet

LSR2 LED


| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|



Narrow, recessed, architectural luminaire with semi-recessed lens (protrudes 3/8" from ceiling). For use in indoor applications where an LED luminaire with small profile providing continuous light is required. Suitable for grid systems or drywall installation as well as custom mounting requests.

FEATURES

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- Patterns Available (See Page 3)
- Damp Location Rated
- CRI 90+ Standard; R9>50
- 5 Year, 50,000 Hour Fixture Warranty
- 2700K, 3000K, 3500K, 4000K & 5000K Color Temperatures Available
- Available with PoE

| | | | |
|---|---|--|---|
| APPLICATIONS | Offices, Lobbies, Retail Stores, Classrooms, Reception Areas & Corridors | | |
| CONSTRUCTION | Extruded Aluminum Housing with Steel End Caps. Formed Steel Gear Tray | OPTICS | Extruded High Transmission Satin Acrylic Lens with No LED Imaging. Flat Lens Optional |
| WARRANTY | 5 Year Limited Warranty (Covers Standard Components) | | FINISH Standard Powder-Coated White. Custom RAL Colors Available |
| FIXTURE RATINGS & CERTIFICATIONS | Union Made ETL Listed | Made In The USA Damp Location Rated |  <p>*Must Specify JA8 Compliant Driver</p> |
| ELECTRICAL | Integral Driver with 0-10V Dimming Standard. Several Driver Options Available | | |

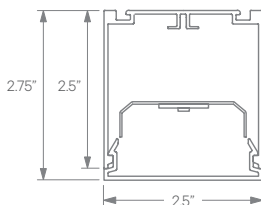
DRIVERS & SENSORS

For Wiring Diagrams and Sensor Information Click [Here](#)



EXTRUSION DIMENSIONS

NOTE: STANDARD LENS SITS 1/4" BELOW EXTRUDED HOUSING. FLUSH LENS OPTION AVAILABLE.



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| Low (LTG2) | 5 W/ft | 508 lm/ft | 95 LPW |
| High (LTG3) | 10 W/ft | 914 lm/ft | 92 LPW |

Based on a 3500K luminaire using one driver. Custom outputs available; specify below.

ORDERING

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|--|---|---|--|--|---|---|---|----|----|----|
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| LSR2 LED | 2 - 2 ft 4 - 4 ft 8 - 8 ft X"-X" - Specify Length PAT - Pattern (Consult Factory) | 27 - 2700K/90 CRI 30 - 3000K/90 CRI 35 - 3500K/90 CRI 40 - 4000K/90 CRI 50 - 5000K/90 CRI TW* - Tunable White RGBW** - RGB + 3000K *Must use DMX or TW10 Driver **Must use DMX Driver | LTG1 - Standard LTG2 - Low LTG3 - High LTGC - Custom Output | UNV - Universal (120/277V) | DB - Standard Dimming (0-10V) DB1% - 1% Dimming (0-10V) DB.1% - 0.1% Dimming (0-10V) LTEA - Lutron 2-wire 1% Dimming (120V only) LDE1 - Lutron Digital EcoSystem LDE5 - 5 Series EcoSystem; 5% Dimming JA8 - JA8 Compliant 1% Dimming (0-10V) PoE - Power over Ethernet. Consult Factory for Compatibility DMX - For Color Tuning and RGBW (Remote) TW10 - Dual Channel, 0-10V For Color Tuning (CCT and Intensity Control) | | | | | | |
| 7 - FINISH | 8 - MOUNTING | 9 - OPTICS | 10 - CONTROL (Optional) | 11 - CIRCUIT (Optional) | 11 - OTHER OPTIONS | | | | | | |
| W - White (Standard) CC - Custom Color (provide RAL#) | T - 9/16" Tee Grid T15 - 15/16" Tee Grid SG - Slot Grid/Interlude F - Flange NT - No Trim/Spackle Flange PM-X* - Perimeter Mount *X denotes mounting type on opposite side of wall (ie-PM-NT). Consult Factory | SD - Standard Diffuser FL - Flat Lens | EIS - Enlighted Sensor WISD - Wattstopper Daylight Sensor WISM - Wattstopper Occupancy Sensor SLS - SensiLUM Sensor ACS - Acuity Controls nLight System CCS - Casambi Compatible ECS - Eaton WaveLink System *For other control systems not listed consult factory | EM 120V - Emergency Pack EM 277V - Emergency Pack | WH6 - 6ft Whips Preinstalled CP - Chicago Plenum | | | | | | |

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55 Shepherds Lane
Totowa, NJ 07512

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F 973 345 8705

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1/3

Type:

AL13

Page 1 of 3

Lighting Notes:

ARUP

Project Number: 271565
Phone: 1 212 896 3000



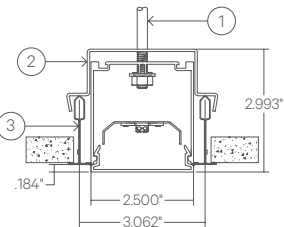
LSR2 LED

| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|

Type: **AL13**
Page 2 of 3

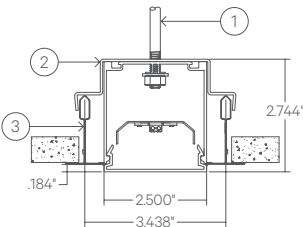
MOUNTING OPTIONS

T - 9/16" Tee Grid



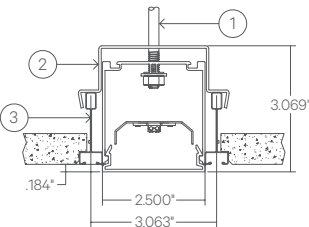
- 1 - Threaded Rod (not supplied)
- 2 - Tee Grid Bracket
- 3 - Tee Grid

T15 - 15/16" Tee Grid



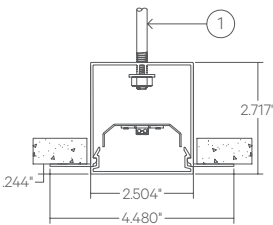
- 1 - Threaded Rod (not supplied)
- 2 - Tee Grid Bracket
- 3 - Tee Grid

SG - Slot Grid/Interlude



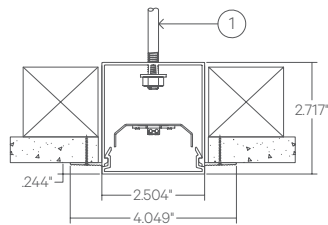
- 1 - Threaded Rod (not supplied)
- 2 - Slot Grid Bracket
- 3 - Slot Grid

F - Flange



- 1 - Threaded Rod (not supplied)

NT - No Trim/Spackle Flange



- 1 - Threaded Rod (not supplied)

Updated: 07/21/2020

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ARUP
Project Number: 271565
Phone: 1 212 896 3000



LSR2 LED

| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|

PATTERNS

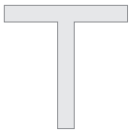
Patterns feature illuminated corners and angles. **Must consult factory for custom corners and patterns.**



Square Patterns



X Patterns



T Patterns

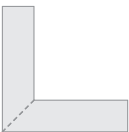


Custom Angles



Custom Patterns

LENS CUT



Mitered

Type:

AL13

Page 3 of 3

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3/3

Updated: 07/21/2020

ARUP

Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: iGuzzini : Palco In Out
Description: Description

Fixture Wattage: 16 W
Lumen Output: 1806 lumen
Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 48 V

Fixture Finish: Galvanized or RAL 7038

Lamp CCT: 4000K

Assembly Code: Q719

Palco InOut

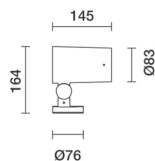
Design Artec3 Studio

iGuzzini

Last information update: September 2020

Product configuration: Q719

Q719: Spotlight with base - Warm White Led - Class III - Very Wide Flood optic



Product code

Q719: Spotlight with base - Warm White Led - Class III - Very Wide Flood optic

Technical description

Spotlight designed to use LED lamps and a Very Wide Flood optic. The optical assembly and base is made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. 5 mm thick tempered sodium-calcium closing glass. Double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks for rotation on both the vertical axis and horizontal plane. Complete with a monochrome LED circuit and an Opti Beam Reflector optic system. The product includes a PG13.5 cable gland. Black rubber outlet cable complete with anti-transpiration device. Electronic ballast to be ordered separately. Option of using optic accessories assembled via an accessory holder frame. All external screws used are made of A2 stainless steel.

Installation

Floor, wall, ceiling or ground-installed via a stake.

Colour

White (01) | Grey (15)

Weight (Kg)

1.3

Mounting

wall surface/ground spike

Wiring

The product is supplied with a black rubber outlet cable complete with anti-transpiration device L=1000mm.

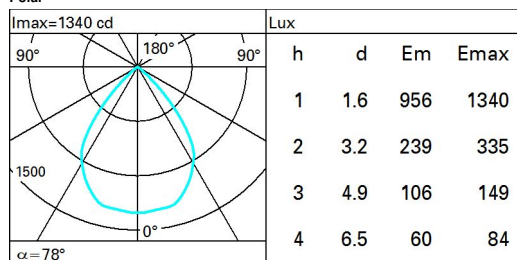
Complies with EN60598-1 and pertinent regulations



Technical data

| | | | |
|--|------|---|--------------------------------|
| Im system: | 1806 | MacAdam Step: | 2 |
| W system: | 16 | Life Time LED 1: | 100,000h - L80 - B10 (Ta 25°C) |
| Im source: | 2150 | Ballast losses [W]: | 0 |
| W source: | 16 | Lamp code: | LED |
| Luminous efficiency (lm/W, 112.9 real value): | | Number of lamps for optical 1 assembly: | |
| Im in emergency mode: | - | ZVEI Code: | LED |
| Total light flux at or above 0 an angle of 90° [Lm]: | | Number of optical assemblies: | 1 |
| Light Output Ratio (L.O.R.) [%]: | 84 | Ambient operating temperature range: | from -30°C to 35°C. |
| Beam angle [°]: | 78° | Lifetime of product at ambient operating temperature: | ≥ 50.000h Ta=25°C |
| CRI: | 80 | LED Current: | 470 |
| Colour temperature [K]: | 3000 | | |

Polar



Type:

AWS04

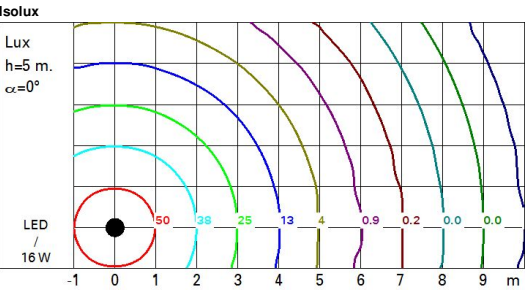
Page 1 of 2

Lighting Notes:

Q719_EN 1 / 2

ARUP

Project Number: 271565
Phone: 1 212 896 3000



UGR diagram

| Corrected UGR values (at 2150 lm bare lamp luminous flux) | | | | | | | | | | | | |
|---|-----|------------------|-------------|------|------|------|----------------|------|------|------|------|--|
| Reflect.: | | viewed crosswise | | | | | viewed endwise | | | | | |
| ceiling | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | |
| walls | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | |
| work pl. | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | |
| Room dim | | viewed crosswise | | | | | viewed endwise | | | | | |
| x y | | | | | | | | | | | | |
| 2H | 2H | 20.1 | 20.9 | 20.4 | 27.1 | 27.3 | 20.1 | 20.9 | 20.4 | 27.1 | 27.3 | |
| | 3H | 20.0 | 20.6 | 20.3 | 20.9 | 27.2 | 20.0 | 20.6 | 20.3 | 20.9 | 27.2 | |
| | 4H | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | |
| | 6H | 25.8 | 20.4 | 20.2 | 20.7 | 27.0 | 25.8 | 20.4 | 20.2 | 20.7 | 27.0 | |
| | 8H | 25.8 | 20.3 | 20.2 | 20.7 | 27.0 | 25.8 | 20.3 | 20.2 | 20.7 | 27.0 | |
| | 12H | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | |
| 4H | 2H | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | |
| | 3H | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | |
| | 4H | 25.7 | 20.1 | 20.1 | 20.5 | 20.9 | 25.7 | 20.1 | 20.1 | 20.5 | 20.9 | |
| | 6H | 25.6 | 20.0 | 20.0 | 20.4 | 20.8 | 25.6 | 20.0 | 20.0 | 20.4 | 20.8 | |
| | 8H | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | |
| | 12H | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | |
| 8H | 4H | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | |
| | 6H | 25.4 | 25.7 | 25.9 | 20.2 | 20.7 | 25.4 | 25.7 | 25.9 | 20.2 | 20.7 | |
| | 8H | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | |
| | 12H | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | |
| 12H | 4H | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | |
| | 6H | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | |
| | 8H | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | |
| Variations with the observer position at spacing: | | | | | | | | | | | | |
| S = | | 1.0H | 3.2 / -10.6 | | | | 3.2 / -10.6 | | | | | |
| | | 1.5H | 5.5 / -23.3 | | | | 5.5 / -23.3 | | | | | |
| | | 2.0H | 7.5 / -25.3 | | | | 7.5 / -25.3 | | | | | |

Type:
AWS04
Page 2 of 2

ARUP
Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: iGuzzini : Palco In Out
Description: Description

Fixture Wattage: 80 W
Lumen Output: 8585 lumen
Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 4000K
Assembly Code: ES89

Palco InOut

Design Artec3 Studio

iGuzzini

Last information update: October 2020

Product configuration: ES89

ES89: Spotlight with base - Neutral White Led - integrated electronic control gear - H.O. - Ta 25

Product code

ES89: Spotlight with base - Neutral White Led - integrated electronic control gear - H.O. - Ta 25

Technical description

Spotlight designed to use LED lamps and a Wide Flood optic. The optical assembly and base is made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. 5 mm thick tempered sodium-calcium closing glass. Double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks for rotation on both the vertical axis and horizontal plane. Complete with a monochrome LED circuit and an Opti Beam Reflector optic system. The product includes a PG13.5 cable gland. Electronic DALI ballast integrated in product. Option of using optic accessories assembled via an accessory holder frame. All external screws used are made of A2 stainless steel.

Installation

Floor, wall, ceiling or ground-installed via a stake.

Colour

White (01) | Grey (15)

Weight (Kg)

6.56

Mounting

wall arm|ground surface|wall surface|ceiling surface

Wiring

Double PG.

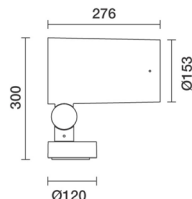
Complies with EN60598-1 and pertinent regulations



IK07



IP66



Technical data

| | | | |
|--|-------|---|--|
| Im system: | 8585 | Life Time LED 1: | 48,000h - L80 - B10 (Ta 25°C) |
| W system: | 80.6 | Ballast losses [W]: | 9.6 |
| Im source: | 10100 | Voltage [Vin]: | 230 |
| W source: | 71 | Lamp code: | LED |
| Luminous efficiency (lm/W, 106.5 real value): | | Number of lamps for optical 1 assembly: | |
| Im in emergency mode: | - | ZVEI Code: | LED |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Number of optical assemblies: | 1 |
| Light Output Ratio (L.O.R.) [%]: | 85 | Ambient operating temperature range: | from -30°C to 35°C. |
| Beam angle [°]: | 79° | Power factor: | See installation instructions |
| CRI: | 80 | Overvoltage protection: | 10kV Common mode & 6kV Differential mode |
| Colour temperature [K]: | 4000 | Dimming mode: | CCR |
| MacAdam Step: | 3 | Control: | DALI |

Type:

AWS05

Page 1 of 2

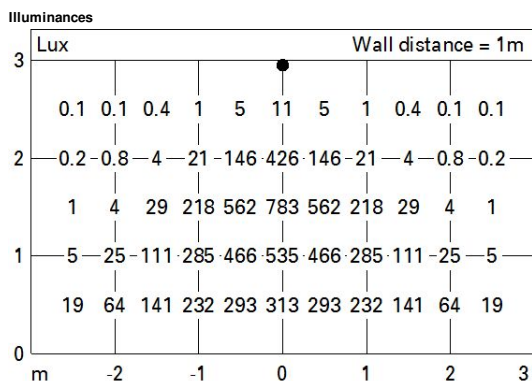
Lighting Notes:

1. Fixture finish to be specified by architect.

ES89_EN 1 / 2

ARUP

Project Number: 271565
Phone: 1 212 896 3000



Type:

Welcome Pavilion

ARUP

Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: iGuzzini : Palco In Out
Description: Surface Mounted Spotlight (Low Voltage)

Fixture Wattage: 16 W
Lumen Output: 1806 lumen
Lamp CRI: 80+
Lighting Controls: 0-10V Dimming

Voltage: 48 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: Q719

Palco InOut

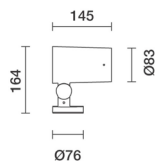
Design Artec3 Studio

iGuzzini

Last information update: October 2020

Product configuration: Q719

Q719: Spotlight with base - Warm White Led - Class III - Very Wide Flood optic

**Product code**

Q719: Spotlight with base - Warm White Led - Class III - Very Wide Flood optic

Technical description

Spotlight designed to use LED lamps and a Very Wide Flood optic. The optical assembly and base is made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. 5 mm thick tempered sodium-calcium closing glass. Double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks for rotation on both the vertical axis and horizontal plane. Complete with a monochrome LED circuit and an Opti Beam Reflector optic system. The product includes a PG13.5 cable gland. Black rubber outlet cable complete with anti-transpiration device. Black rubber outlet cable complete with anti-transpiration device. Electronic ballast to be ordered separately. Option of using optic accessories assembled via an accessory holder frame. All external screws used are made of A2 stainless steel.

Installation

Floor, wall, ceiling or ground-installed via a stake.

Colour

White (01) | Grey (15)

Weight (Kg)

1.3

Mounting

wall surface/ground spike

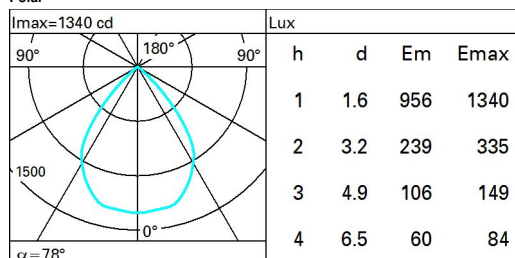
Wiring

The product is supplied with a black rubber outlet cable complete with anti-transpiration device L=1000mm.

Complies with EN60598-1 and pertinent regulations

**Technical data**

| | | | |
|--|------|---|--------------------------------|
| Im system: | 1806 | MacAdam Step: | 2 |
| W system: | 16 | Life Time LED 1: | 100,000h - L80 - B10 (Ta 25°C) |
| Im source: | 2150 | Ballast losses [W]: | 0 |
| W source: | 16 | Lamp code: | LED |
| Luminous efficiency (lm/W, 112.9 real value): | | Number of lamps for optical 1 assembly: | |
| Im in emergency mode: | - | ZVEI Code: | LED |
| Total light flux at or above 0 an angle of 90° [Lm]: | | Number of optical assemblies: | 1 |
| Light Output Ratio (L.O.R.) [%]: | 84 | Ambient operating temperature range: | from -30°C to 35°C. |
| Beam angle [°]: | 78° | Lifetime of product at ambient operating temperature: | ≥ 50.000h Ta=25°C |
| CRI: | 80 | LED Current: | 470 |
| Colour temperature [K]: | 3000 | | |

Polar**Type:****AWS03**

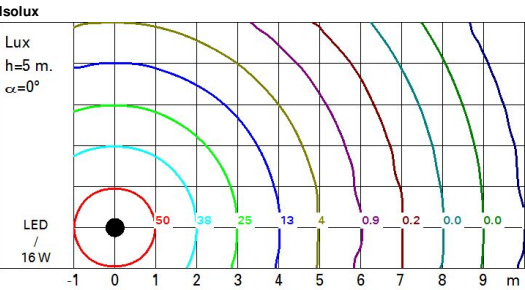
Page 1 of 2

Lighting Notes:

1. Fixture finish to be specified by architect.

ARUPProject Number: 271565
Phone: 1 212 896 3000

Q719_EN 1 / 2



UGR diagram

| Corrected UGR values (at 2150 lm bare lamp luminous flux) | | | | | | | | | | | | |
|---|-----|-----------|-------------|------|------|------|-------------|------|------|------|------|--|
| Reflect.: | | | | | | | | | | | | |
| ceiling | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | |
| walls | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | |
| work pl. | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | |
| Room dim | | viewed | | | | | viewed | | | | | |
| x y | | crosswise | | | | | endwise | | | | | |
| 2H | 2H | 20.1 | 20.9 | 20.4 | 27.1 | 27.3 | 20.1 | 20.9 | 20.4 | 27.1 | 27.3 | |
| | 3H | 20.0 | 20.6 | 20.3 | 20.9 | 27.2 | 20.0 | 20.6 | 20.3 | 20.9 | 27.2 | |
| | 4H | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | |
| | 6H | 25.8 | 20.4 | 20.2 | 20.7 | 27.0 | 25.8 | 20.4 | 20.2 | 20.7 | 27.0 | |
| | 8H | 25.8 | 20.3 | 20.2 | 20.7 | 27.0 | 25.8 | 20.3 | 20.2 | 20.7 | 27.0 | |
| | 12H | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | |
| 4H | 2H | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | |
| | 3H | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | |
| | 4H | 25.7 | 20.1 | 20.1 | 20.5 | 20.9 | 25.7 | 20.1 | 20.1 | 20.5 | 20.9 | |
| | 6H | 25.6 | 20.0 | 20.0 | 20.4 | 20.8 | 25.6 | 20.0 | 20.0 | 20.4 | 20.8 | |
| | 8H | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | |
| | 12H | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | |
| 8H | 4H | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | |
| | 6H | 25.4 | 25.7 | 25.9 | 20.2 | 20.7 | 25.4 | 25.7 | 25.9 | 20.2 | 20.7 | |
| | 8H | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | |
| | 12H | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | |
| 12H | 4H | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | |
| | 6H | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | |
| | 8H | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | |
| Variations with the observer position at spacing: | | | | | | | | | | | | |
| S = | | 1.0H | 3.2 / -10.6 | | | | 3.2 / -10.6 | | | | | |
| | | 1.5H | 5.5 / -23.3 | | | | 5.5 / -23.3 | | | | | |
| | | 2.0H | 7.5 / -25.3 | | | | 7.5 / -25.3 | | | | | |

Type:
AWS03
Page 2 of 2

ARUP
Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: iGuzzini : Laser Blade
Description: Recessed Linear Fixture

Fixture Wattage: 4 W
Lumen Output: 614 lumen
Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: I.LBXS 05 TR IC 930 WF

LASER BLADE XS

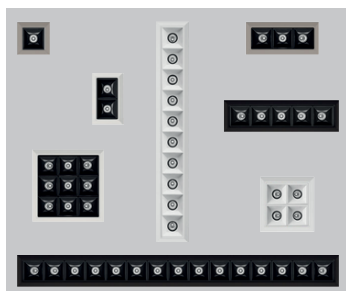
DOWNLIGHT

Type:

Project:

SPECIFICATION SHEET

Page: 1 of 14



Only 28 mm wide, Laser blade XS is an ultracompact architectural downlight, perfect for retail and hospitality environments. The light is aimed and maximised by a micro optical assembly that uses our patented Opti Beam technology. The light source is also invisible, which guarantees excellent visual comfort.

Luminaire characteristic:

Power input: 2.5W to 34W (system wattage)
Lumens: 100lm to 1800lm (for 3000K, 90CRI)
Luminaire efficacy: Up to 55lm/W

Source:

White LED (LM-80 tested),
 2700K : 90CRI,
 3000K : 90CRI,
 3500K : 90CRI,
 4000K : 90CRI.

Lumen maintenance:

80% of initial lumens at 50 000 hours (L80)
 (LM79 tested).

Optic:

Low luminance Opti Beam technology with medium, flood and wide flood distribution. See page 4 to 7 for detailed offering.

Material:

Body: die-cast Zamak (zinc/aluminum alloy)
 Reflector: metalized thermoplastic
 Baffle: polycarbonate

Mounting:

Retrofit,
 New construction,
 New construction insulated ceiling and chicago plenum,
 See page 8 to 9 for details.

Electrical:

See remote power supply options on page 11 to 14.

Finish:

Black, white (RAL9010) and grey (RAL9006).
 See details on page 10.

Weight:

LBXS01: 0.15lbs (0.07kg)
 LBXS02: 0.24lbs (0.11kg)
 LBXS03: 0.33lbs (0.15kg)
 LBXS04: 0.24lbs (0.11kg)
 LBXS05: 1.06lbs (0.48kg)
 LBXS09: 0.66lbs (0.30kg)
 LBXS10: 1.21lbs (0.55kg)
 LBXS15: 1.94lbs (0.88kg)

Warranty:

5 year limited warranty.

Rating:

IP20

Certification:



cULus listed for damp location

Type:

AL08

Page 1 of 14

Lighting Notes:

1. Contractor to coordinate remote driver quantities in accordance with manufacturer recommendations.
2. Contractor to coordinate remote driver locations in nearest possible location with architect.
3. Fixture finish to be specified by architect.

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ARUP

Project Number: 271565
 Phone: 1 212 896 3000

LASER BLADE XS

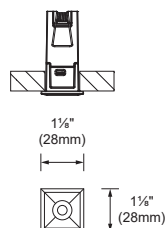
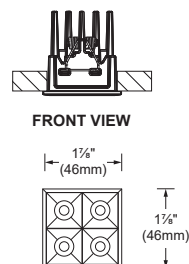
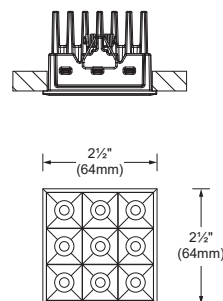
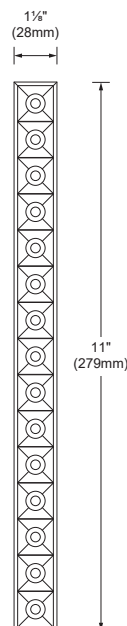
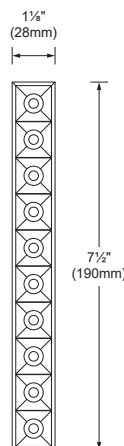
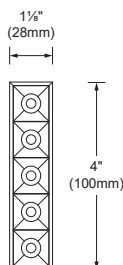
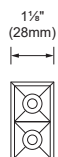
DOWNLIGHT

Type:

Project:

SPECIFICATION SHEET

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TRIM MODELS DIMENSIONS**LBXS01****LBXS04****LBXS09****FRONT VIEW****LBXS02****LBXS03****LBXS05****LBXS10****LBXS15****FRONT VIEW****FRONT VIEW**

* See page 8-9 for mounting options details

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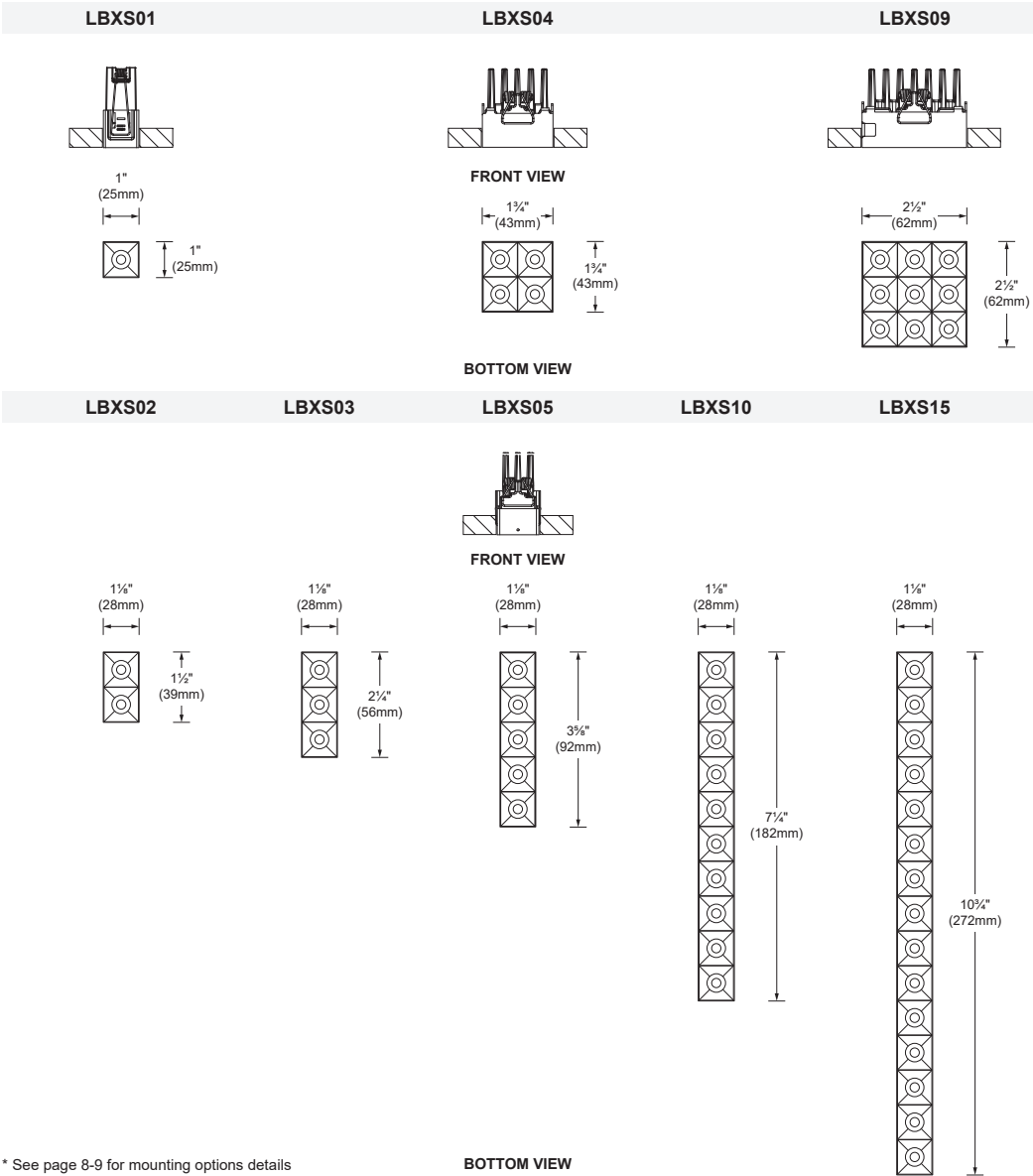
Page 2 of 14

ARUPProject Number: 271565
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LASER BLADE XS
DOWNLIGHT

Type: _____ SPECIFICATION SHEET
Project: _____ Page: 3 of 14

TRIMLESS MODELS DIMENSIONS



* See page 8-9 for mounting options details

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Type: **AL08**
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ARUP
Project Number: 271565
Phone: 1 212 896 3000

LASER BLADE XS

DOWNLIGHT

Type:

SPECIFICATION SHEET

Project:

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Type:

AL08

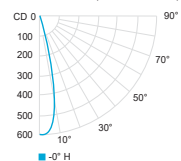
Page 4 of 14

PHOTOMETRIC DATAVisit iguzzini.com/us for complete photometric data.**LBXS01**

| LOAD (W) | CCT (K) | CRI | OPTIC | LUMENS (lm) | EFFICACY (lm / w) | MAX CANDELA (cd) | MODEL |
|-------------|------------|-----|------------|----------------|----------------------|---------------------|-----------------|
| 2.5W | 3000K | 90 | Medium 24° | 125 | 50 | 595 | I.LBXS01-930-MD |
| | | | Flood 41° | 135 | 54 | 285 | I.LBXS01-930-FL |

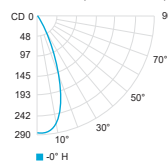
*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

Medium 24° (3000K, 90 CRI)



| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft 148 | 0.9 |
| 4ft 37.5 | 1.7 |
| 6ft 16.5 | 2.6 |
| 8ft 9.26 | 3.5 |
| 10ft 5.93 | 4.3 |
| 12ft 4.12 | 5.2 |

Flood 41° (3000K, 90 CRI)



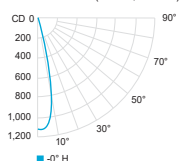
| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft 71.0 | 1.5 |
| 4ft 17.8 | 3.0 |
| 6ft 7.89 | 4.5 |
| 8ft 4.44 | 6.0 |
| 10ft 2.84 | 7.5 |
| 12ft 1.97 | 9.0 |

LBXS02

| | | | | | | | |
|------|-------|----|----------------|-----|----|-------|-----------------|
| 4.5W | 3000K | 90 | Medium 24° | 240 | 53 | 1 125 | I.LBXS02-930-MD |
| | | | Flood 41° | 255 | 56 | 535 | I.LBXS02-930-FL |
| | | | Wide flood 58° | 265 | 58 | 335 | I.LBXS02-930-WF |

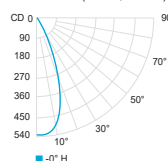
*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

Medium 24° (3000K, 90 CRI)



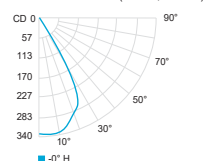
| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft 279 | 0.9 |
| 4ft 69.8 | 1.8 |
| 6ft 31.0 | 2.7 |
| 8ft 17.4 | 3.5 |
| 10ft 11.2 | 4.4 |
| 12ft 7.75 | 5.3 |

Flood 41° (3000K, 90 CRI)



| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft 71.0 | 1.5 |
| 4ft 17.8 | 3.0 |
| 6ft 7.89 | 4.5 |
| 8ft 4.44 | 6.0 |
| 10ft 2.84 | 7.5 |
| 12ft 1.97 | 9.0 |

Wide flood 58° (3000K, 90 CRI)



| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft 83.7 | 2.2 |
| 4ft 20.9 | 4.4 |
| 6ft 9.30 | 6.6 |
| 8ft 5.23 | 8.8 |
| 10ft 3.35 | 11.0 |
| 12ft 2.32 | 13.2 |

| | | | | |
|-------------|-------|-------|-------|-------|
| CCT options | 2700K | 3000K | 3500K | 4000K |
| CRI options | 90CRI | 90CRI | 90CRI | 90CRI |
| Multiplier | 0.94 | 1 | 1 | 1.13 |

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LASER BLADE XS

DOWNLIGHT

Type:

SPECIFICATION SHEET

Project:

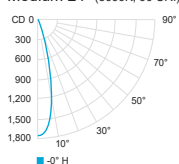
Page: 5 of 14

PHOTOMETRIC DATAVisit iguzzini.com/us for complete photometric data.**LBXS03**

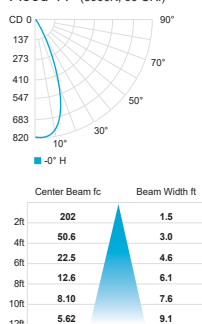
| LOAD (W) | CCT (K) | CRI | OPTIC | LUMENS (lm) | EFFICACY (lm / w) | MAX CANDELA (cd) | MODEL |
|-------------|------------|-----|----------------|----------------|----------------------|---------------------|-----------------|
| 7.5W | 3000K | 90 | Medium 24° | 375 | 50 | 1 750 | I.LBXS03-930-MD |
| | | | Flood 41° | 395 | 52 | 815 | I.LBXS03-930-FL |
| | | | Wide flood 58° | 395 | 52 | 505 | I.LBXS03-930-WF |

*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

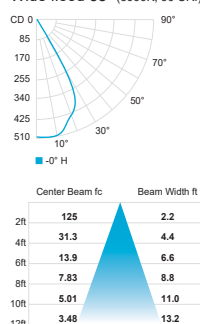
Medium 24° (3000K, 90 CRI)



Flood 41° (3000K, 90 CRI)



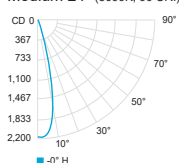
Wide flood 58° (3000K, 90 CRI)

**LBXS04**

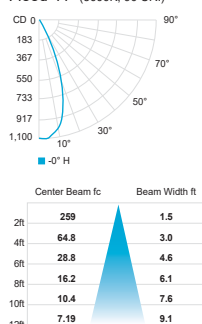
| | | | | | | | |
|-----|-------|----|----------------|-----|----|-------|-----------------|
| 10W | 3000K | 90 | Medium 24° | 470 | 47 | 2 180 | I.LBXS04-930-MD |
| | | | Flood 41° | 495 | 49 | 1 040 | I.LBXS04-930-FL |
| | | | Wide flood 58° | 510 | 51 | 655 | I.LBXS04-930-WF |

*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

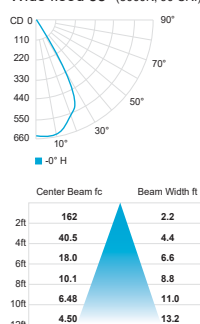
Medium 24° (3000K, 90 CRI)



Flood 41° (3000K, 90 CRI)



Wide flood 58° (3000K, 90 CRI)



| | | | | |
|-------------|-------|-------|-------|-------|
| CCT options | 2700K | 3000K | 3500K | 4000K |
| CRI options | 90CRI | 90CRI | 90CRI | 90CRI |
| Multiplier | 0.94 | 1 | 1 | 1.13 |

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ARUP

Project Number: 271565

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LASER BLADE XS
DOWNLIGHT

Type: _____
Project: _____

SPECIFICATION SHEET
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PHOTOMETRIC DATA
Visit iguzzini.com/us for complete photometric data.

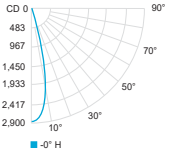
LBXS05



| LOAD (W) | CCT (K) | CRI | OPTIC | LUMENS (lm) | EFFICACY (lm / w) | MAX CANDELA (cd) | MODEL |
|-------------|------------|-----|----------------|----------------|----------------------|---------------------|-----------------|
| 13W | 3000K | 90 | Medium 24° | 615 | 47 | 2 845 | I.LBXS05-930-MD |
| | | | Flood 41° | 645 | 49 | 1 330 | I.LBXS05-930-FL |
| | | | Wide flood 58° | 645 | 49 | 825 | I.LBXS05-930-WF |

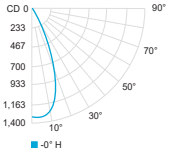
*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

Medium 24° (3000K, 90 CRI)



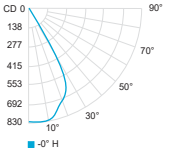
| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft 712 | 0.9 |
| 4ft 178 | 1.8 |
| 6ft 79.1 | 2.7 |
| 8ft 44.5 | 3.5 |
| 10ft 28.5 | 4.4 |
| 12ft 19.8 | 5.3 |

Flood 41° (3000K, 90 CRI)



| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft 329 | 1.5 |
| 4ft 82.2 | 3.0 |
| 6ft 36.5 | 4.6 |
| 8ft 20.5 | 6.1 |
| 10ft 13.2 | 7.6 |
| 12ft 9.13 | 9.1 |

Wide flood 58° (3000K, 90 CRI)



| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft 204 | 2.2 |
| 4ft 50.9 | 4.4 |
| 6ft 22.6 | 6.6 |
| 8ft 12.7 | 8.8 |
| 10ft 8.15 | 11.0 |
| 12ft 5.66 | 13.2 |

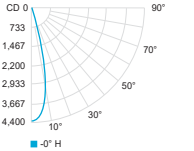
LBXS09



| | | | | | | | |
|-----|-------|----|----------------|-----|----|-------|-----------------|
| 19W | 3000K | 90 | Medium 24° | 945 | 49 | 4 380 | I.LBXS09-930-MD |
| | | | Flood 41° | 995 | 52 | 2 045 | I.LBXS09-930-FL |
| | | | Wide flood 58° | 995 | 52 | 1 265 | I.LBXS09-930-WF |

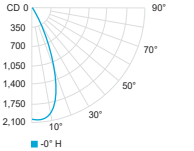
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Medium 24° (3000K, 90 CRI)



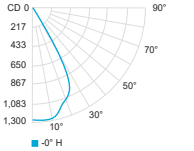
| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft 1,096 | 0.9 |
| 4ft 274 | 1.8 |
| 6ft 122 | 2.7 |
| 8ft 68.5 | 3.5 |
| 10ft 43.8 | 4.4 |
| 12ft 30.4 | 5.3 |

Flood 41° (3000K, 90 CRI)



| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft 506 | 1.5 |
| 4ft 127 | 3.0 |
| 6ft 56.2 | 4.6 |
| 8ft 31.6 | 6.1 |
| 10ft 20.2 | 7.6 |
| 12ft 14.1 | 9.1 |

Wide flood 58° (3000K, 90 CRI)



| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft 314 | 2.2 |
| 4ft 78.4 | 4.4 |
| 6ft 34.8 | 6.6 |
| 8ft 19.6 | 8.8 |
| 10ft 12.5 | 11.0 |
| 12ft 8.71 | 13.2 |

| | | | | |
|-------------|-------|-------|-------|-------|
| CCT options | 2700K | 3000K | 3500K | 4000K |
| CRI options | 90CRI | 90CRI | 90CRI | 90CRI |
| Multiplier | 0.94 | 1 | 1 | 1.13 |

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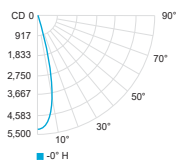
Project Number: 271565
Phone: 1 212 896 3000

LASER BLADE XS
DOWNLIGHTType:
Project:SPECIFICATION SHEET
Page: 7 of 14**PHOTOMETRIC DATA**Visit iguzzini.com/us for complete photometric data.**LBXS10**

| LOAD (W) | CCT (K) | CRI | OPTIC | LUMENS (lm) | EFFICACY (lm / w) | MAX CANDELA (cd) | MODEL |
|-------------|------------|-----|----------------|----------------|----------------------|---------------------|-----------------|
| 23W | 3000K | 90 | Medium 24° | 1 180 | 51 | 5 475 | I.LBXS10-930-MD |
| | | | Flood 41° | 1 240 | 53 | 2 555 | I.LBXS10-930-FL |
| | | | Wide flood 58° | 1 240 | 53 | 1 585 | I.LBXS10-930-WF |

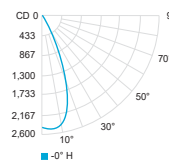
*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

Medium 24° (3000K, 90 CRI)



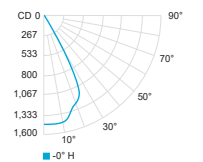
| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft | 1369 |
| 4ft | 342 |
| 6ft | 152 |
| 8ft | 85.5 |
| 10ft | 54.8 |
| 12ft | 38.0 |

Flood 41° (3000K, 90 CRI)



| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft | 633 |
| 4ft | 158 |
| 6ft | 70.3 |
| 8ft | 39.5 |
| 10ft | 25.3 |
| 12ft | 17.6 |

Wide flood 58° (3000K, 90 CRI)



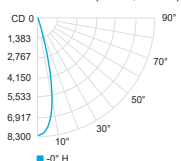
| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft | 392 |
| 4ft | 97.9 |
| 6ft | 43.5 |
| 8ft | 24.5 |
| 10ft | 15.7 |
| 12ft | 10.9 |

LBXS15

| | | | | | | | |
|-----|-------|----|----------------|-------|----|-------|-----------------|
| 34W | 3000K | 90 | Medium 24° | 1 775 | 52 | 8 210 | I.LBXS15-930-MD |
| | | | Flood 41° | 1 865 | 55 | 3 835 | I.LBXS15-930-FL |
| | | | Wide flood 58° | 1 865 | 55 | 2 380 | I.LBXS15-930-WF |

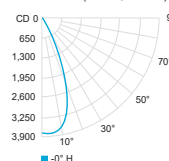
*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

Medium 24° (3000K, 90 CRI)



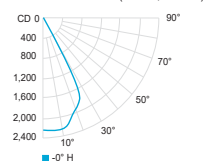
| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft | 2053 |
| 4ft | 513 |
| 6ft | 228 |
| 8ft | 128 |
| 10ft | 82.1 |
| 12ft | 57.0 |

Flood 41° (3000K, 90 CRI)



| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft | 949 |
| 4ft | 237 |
| 6ft | 105 |
| 8ft | 59.3 |
| 10ft | 38.0 |
| 12ft | 26.4 |

Wide flood 58° (3000K, 90 CRI)



| Center Beam fc | Beam Width ft |
|----------------|---------------|
| 2ft | 588 |
| 4ft | 147 |
| 6ft | 65.3 |
| 8ft | 36.8 |
| 10ft | 23.5 |
| 12ft | 16.3 |

| | | | | |
|-------------|-------|-------|-------|-------|
| CCT options | 2700K | 3000K | 3500K | 4000K |
| CRI options | 90CRI | 90CRI | 90CRI | 90CRI |
| Multiplier | 0.94 | 1 | 1 | 1.13 |

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Type:

AL08

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ARUP

Project Number: 271565

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LASER BLADE XS
DOWNLIGHT

Type: _____ SPECIFICATION SHEET
Project: _____ Page: 8 of 14

INSTALLATION OPTION FOR 1 - 2 CELL

Remodel (RF)

Versatile fixture for new or existing ceiling structure. Suitable for insulated or non-insulated ceiling assemblies, like sheetrock, or paneling. Fixture is ready for remodeling installation. Trimless frame kit and fixture can be shipped separately. Installation from below.



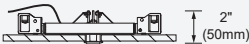
Ceiling thickness:
Trim: 1/8" to 1 1/2" (3mm - 29mm)
Trimless: 3/4" (16mm)

*Power supply is not accessible from luminaire opening.

| Model | Mounting | Trimless frame kit | Cut-out dimension* | Clearance |
|--------|----------|--------------------|-----------------------------|-----------|
| LBXS01 | Trim | | 1" x 1" (24 x 24mm) | 2" (50mm) |
| | Trimless | TK-LBXS01TL-RF | 1 1/8" x 1 1/8" (29 x 29mm) | |
| LBXS02 | Trim | | 1" x 1 1/8" (24 x 42mm) | |
| | Trimless | TK-LBXS02TL-RF | 1 1/8" x 1 1/8" (29 x 41mm) | |

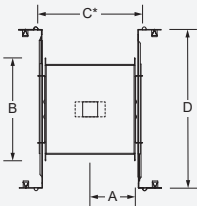
New construction with plaster frame (NC)

Plaster frame with hanger bars system to be installed during rough-in phase. Suitable for insulated or non-insulated new construction ceiling assemblies, like sheetrock, acoustic tiles, or paneling. Plaster frame and fixture can be shipped separately. (Power supply is not accessible from luminaire opening)



Ceiling thickness:
Trim: 1/8" to 1 1/2" (3mm - 29mm)
Trimless: 3/4" (16mm)

Total weight: TBC



*Provide a minimum of 1 1/8" (46mm) on each side for the hanger bar fixations

| Model | Plaster Frame | Cut-out dimensions | Cut-out position (A) | Overall dimensions (BxC) | Hanger bars (D) | Clearance |
|--------|----------------|-----------------------|----------------------|-----------------------------|------------------------------|-----------|
| LBXS01 | BN-LBXS01TR-NC | 1" x 1" (24 x 24mm) | 3" (76mm) | 6¼" x 6" (174mm x 152mm) | 9" to 15¼" (229 to 387mm) | 2" (50mm) |
| | BN-LBXS01TL-NC | 1½" x 1½" (29 x 29mm) | | | | |
| LBXS02 | BN-LBXS02TR-NC | 1" x 1½" (24 x 42mm) | 2½" (64mm) | 5¼" x 6" (149mm x 152mm) | | |
| | BN-LBXS02TL-NC | 1½" x 1½" (29 x 42mm) | | | | |

Type:

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Project Number: 271565
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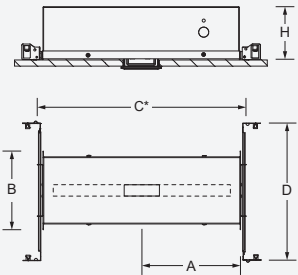
INSTALLATION OPTION FOR 3 - 4 - 5 - 9 - 10 - 15 CELL

**New construction with housing suitable
for insulated ceiling (IC)
or chicago plenum (CP)**

Housing with hanger bars system for new construction installations.
Suitable for insulated ceiling or Chicago Plenum applications. Housing
and fixture can be shipped separately.

Ceiling thickness:
Trim: 1/8" to 1 1/4" (3mm - 29mm)
Trimless: 3/4" (16mm)

*Power supply is not accessible from luminaire opening.



*Provide a minimum of 1/4" (46mm) on each side for the hanger bar fixations

| Model | Housing | Cut-out dimensions | Cut-out position (A) | Overall dimensions (BxC) | Hanger bars (D) | Clearance (H) | |
|--------|-------------------|-------------------------------|----------------------|--------------------------------------|---------------------------------|----------------|----------------------------------|
| LBXS03 | BI-LBXS03TR-IC/CP | 1" x 2 3/4" (24 x 60mm) | 2 1/2" (64mm) | 5 3/4" x 6" (145mm x 152mm) | 9" to 15 1/4" (229 to 387mm) | 3 1/4" (80mm) | |
| | BI-LBXS03TL-IC/CP | 1 1/4" x 2 3/4" (29 x 60mm) | | | | | |
| LBXS04 | BI-LBXS04TR-IC/CP | 1 3/4" x 1 3/4" (42 x 42mm) | 5" (129mm) | 5 3/4" x 10 1/4" (145mm x 257mm) | | 4 5/8" (116mm) | |
| | BI-LBXS04TL-IC/CP | 1 3/4" x 1 1/2" (48 x 48mm) | | | | | |
| LBXS05 | BI-LBXS05TR-IC/CP | 1" x 3 3/4" (24 x 95mm) | 5" (125mm) | 9 3/4" x 9 3/4" (238mm x 253mm) | | | 14 1/4" to 26" (362 to 660mm) |
| | BI-LBXS05TL-IC/CP | 1 1/4" x 3 3/4" (29 x 95mm) | | | | | |
| LBXS09 | BI-LBXS09TR-IC/CP | 2 3/4" x 2 3/4" (60 x 60mm) | 8 3/4" (213mm) | 6 3/4" x 17" (171mm x 434mm) | 6" (150mm) | | |
| | BI-LBXS09TL-IC/CP | 2 3/4" x 2 3/4" (67 x 67mm) | | | | | |
| LBXS10 | BI-LBXS10TR-IC/CP | 1" x 7 3/4" (24 x 186mm) | 10" (250mm) | 13 3/4" x 19 3/4" (353mm x 502mm) | | | |
| | BI-LBXS10TL-IC/CP | 1 1/4" x 7 1/4" (29 x 184mm) | | | | | |
| LBXS15 | BI-LBXS15TR-IC/CP | 1" x 10 3/4" (24 x 276mm) | 10" (250mm) | 13 3/4" x 19 3/4" (353mm x 502mm) | | | |
| | BI-LBXS15TL-IC/CP | 1 1/4" x 10 3/4" (29 x 274mm) | | | | | |

LASER BLADE XS

DOWNLIGHT

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ORDERING INFO

FIXTURE

MOUNTING

RESET INFO

MODEL

- ☐ **01** - Single⁽¹⁾⁽²⁾
☐ **02** - Double⁽²⁾
☐ **03** - Triple⁽²⁾
☐ **04** - Four, square⁽²⁾
☒ **05** - Five⁽²⁾
☐ **09** - Nine, square⁽²⁾
☐ **10** - Ten⁽²⁾
☐ **15** - Fifteen⁽²⁾

MOUNTING

- ☐ **TR** - Trim
 ☐ **TL** - Trimless

INSTALLATION

- ☐ **RF** - Remodeling (No housing)
 ☐ **NC** - New construction plaster frame
 ☐ **IC** - Insulated ceiling housing
 ☐ **CP** - Chicago plenum housing

LED

- ☐ **927** - 2700K, 90 CRI
 ☒ **930** - 3000K, 90 CRI
 ☐ **935** - 3500K, 90 CRI
 ☐ **940** - 4000K, 90 CRI

OPTIC

- ☐ **MD** - Medium 24°
 ☐ **FL** - Flood 41°
 ☐ **WF** - Wide flood 58°

VOLTAGE

- ☒ **REM** - Remote

FINISH (trim finish / baffle finish)

- | | White trim | Gray trim | Black trim | Trimless |
|---|--|---|--|--|
| <input checked="" type="checkbox"/> Black baffle | <input type="checkbox"/> 01 - White/Black | <input type="checkbox"/> 10 - Gray/Black | <input type="checkbox"/> 02 - Black/Black | <input type="checkbox"/> 02 - Black |
| <input checked="" type="checkbox"/> White baffle | <input type="checkbox"/> 31 - White/White | | | <input type="checkbox"/> 31 - White |

⁽¹⁾Only available with medium (MD) or flood (FL) optics (see page 4 for details).⁽²⁾Only available with remodeling (RF) or new construction plaster frame (NC) installations (see page 8 for details).⁽³⁾Only available with insulated ceiling housing (IC) or chicago plenum housing (CP) installations (see page 8 for details).

JP - R8 Last update: November 05, 2019

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Type:

AL08

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ARUP

Project Number: 271565

Phone: 1 212 896 3000

LASER BLADE XS

DOWNLIGHT

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REMOTE POWER SUPPLY OPTIONS
(TO BE ORDERED SEPARATELY)

For LBXS01 • 2W* • 700mA



| Min-max units | Watts | Voltage | Dimming protocol | Dimming range | Connexion box dimensions | Max distance** | Connexion box |
|------------------------|-------|----------|--|---------------|--------------------------------------|----------------|---|
| 4 | 11 | 120-277V | None | None | 6" x 4" x 3" (152 x 102 x 76mm) | 30ft (9m) | 4444-0700-011-UNV-ND <input type="checkbox"/> |
| 8-14 | 32 | 120V | Leading and trailing edge (ELV and TRIAC) | Down to ±15% | 6" x 4" x 3" (152 x 102 x 76mm) | 30ft (9m) | 4444-0700-032-120-LTE <input type="checkbox"/> |
| 14-16 | 40 | 120V | Leading and trailing edge (ELV and TRIAC) | Down to ±15% | 6" x 6" x 3" (152 x 152 x 76mm) | 30ft (9m) | 4445-0700-040-120-LTE <input type="checkbox"/> |
| 12-16 | 37 | 120-277V | Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black) | Down to ±1% | 5" x 4" x 3" (127 x 102 x 76mm) | 30ft (9m) | 4443-0700-037-UNV-D2 <input type="checkbox"/> |
| 1-15 | 30 | 120-277V | 0-10V ELDOLED ECOdrive | Down to ±1% | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-030-UNV-ED10 <input type="checkbox"/> |
| 1-15 | 30 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to ±0.1% | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-030-UNV-SD10 <input type="checkbox"/> |
| 1-16 | 38 | 120-277V | 0-10V ELDOLED ECOdrive | Down to ±1% | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-038-UNV-ED10 <input type="checkbox"/> |
| 1-48 12 per channel | 100 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to ±0.1% | 10" x 8" x 4" (254 x 203 x 101mm) | 118ft (36m) | 4448-0700-100-UNV-SD10 (4 channels) <input type="checkbox"/> |

For LBXS02 • 4W* • 700mA



| Min-max units | Watts | Voltage | Dimming protocol | Dimming range | Connexion box dimensions | Max distance** | Connexion box |
|-----------------------|-------|----------|--|---------------|--------------------------------------|----------------|---|
| 2 | 11 | 120-277V | None | None | 6" x 4" x 3" (152 x 102 x 76mm) | 30ft (9m) | 4444-0700-011-UNV-ND <input type="checkbox"/> |
| 4-7 | 32 | 120V | Leading and trailing edge (ELV and TRIAC) | Down to ±15% | 6" x 4" x 3" (152 x 102 x 76mm) | 30ft (9m) | 4444-0700-032-120-LTE <input type="checkbox"/> |
| 7-8 | 40 | 120V | Leading and trailing edge (ELV and TRIAC) | Down to ±15% | 6" x 6" x 3" (152 x 152 x 76mm) | 30ft (9m) | 4445-0700-040-120-LTE <input type="checkbox"/> |
| 6-8 | 37 | 120-277V | Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black) | Down to ±1% | 5" x 4" x 3" (127 x 102 x 76mm) | 30ft (9m) | 4443-0700-037-UNV-D2 <input type="checkbox"/> |
| 1-7 | 30 | 120-277V | 0-10V ELDOLED ECOdrive | Down to ±1% | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-030-UNV-ED10 <input type="checkbox"/> |
| 1-7 | 30 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to ±0.1% | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-030-UNV-SD10 <input type="checkbox"/> |
| 1-8 | 38 | 120-277V | 0-10V ELDOLED ECOdrive | Down to ±1% | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-038-UNV-ED10 <input type="checkbox"/> |
| 1-24 6 per channel | 100 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to ±0.1% | 10" x 8" x 4" (254 x 203 x 101mm) | 118ft (36m) | 4448-0700-100-UNV-SD10 (4 channels) <input type="checkbox"/> |

* Wattage requirement for one (1) fixture (Remote fixture only).

** Calculated for 16AWG cable. Contact customer service for longer remote distance.

JP - R8 Last update: November 05, 2019

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Type:

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ARUP

Project Number: 271565

Phone: 1 212 896 3000

LASER BLADE XS

DOWNLIGHT

Type:

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REMOTE POWER SUPPLY OPTIONS
(TO BE ORDERED SEPARATELY)

For LBXS03 • 6W* • 700mA



| Min-max units | Watts | Voltage | Dimming protocol | Dimming range | Connexion box dimensions | Max distance** | Connexion box |
|-----------------------|-------|----------|--|---------------|--------------------------------------|----------------|--|
| 3-4 | 32 | 120V | Leading and trailing edge (ELV and TRIAC) | Down to ±15% | 6" x 4" x 3" (152 x 102 x 76mm) | 30ft (9m) | 4444-0700-032-120-LTE <input type="checkbox"/> |
| 5 | 40 | 120V | Leading and trailing edge (ELV and TRIAC) | Down to ±15% | 6" x 6" x 3" (152 x 152 x 76mm) | 30ft (9m) | 4445-0700-040-120-LTE <input type="checkbox"/> |
| 4-5 | 37 | 120-277V | Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black) | Down to ±1% | 5" x 4" x 3" (127 x 102 x 76mm) | 30ft (9m) | 4443-0700-037-UNV-D2 <input type="checkbox"/> |
| 1-5 | 30 | 120-277V | 0-10V ELDOLED ECOdrive | Down to ±1% | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-030-UNV-ED10 <input type="checkbox"/> |
| 1-5 | 30 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to ±0.1% | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-030-UNV-SD10 <input type="checkbox"/> |
| 1-5 | 38 | 120-277V | 0-10V ELDOLED ECOdrive | Down to ±1% | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-038-UNV-ED10 <input type="checkbox"/> |
| 1-16 4 per channel | 100 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to ±0.1% | 10" x 8" x 4" (254 x 203 x 101mm) | 118ft (36m) | 4448-0700-100-UNV-SD10 (4 channels) <input type="checkbox"/> |

For LBXS04 • 8W* • 700mA



| Min-max units | Watts | Voltage | Dimming protocol | Dimming range | Connexion box dimensions | Max distance** | Connexion box |
|-----------------------|-------|----------|--|---------------|--------------------------------------|----------------|--|
| 1 | 11 | 120-277V | None | None | 6" x 4" x 3" (152 x 102 x 76mm) | 30ft (9m) | 4444-0700-011-UNV-ND <input type="checkbox"/> |
| 2-3 | 32 | 120V | Leading and trailing edge (ELV and TRIAC) | Down to ±15% | 6" x 4" x 3" (152 x 102 x 76mm) | 30ft (9m) | 4444-0700-032-120-LTE <input type="checkbox"/> |
| 4 | 40 | 120V | Leading and trailing edge (ELV and TRIAC) | Down to ±15% | 6" x 6" x 3" (152 x 152 x 76mm) | 30ft (9m) | 4445-0700-040-120-LTE <input type="checkbox"/> |
| 3-4 | 37 | 120-277V | Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black) | Down to ±1% | 5" x 4" x 3" (127 x 102 x 76mm) | 30ft (9m) | 4443-0700-037-UNV-D2 <input type="checkbox"/> |
| 1-3 | 30 | 120-277V | 0-10V ELDOLED ECOdrive | Down to ±1% | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-030-UNV-ED10 <input type="checkbox"/> |
| 1-3 | 30 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to ±0.1% | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-030-UNV-SD10 <input type="checkbox"/> |
| 1-4 | 38 | 120-277V | 0-10V ELDOLED ECOdrive | Down to ±1% | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-038-UNV-ED10 <input type="checkbox"/> |
| 1-12 3 per channel | 100 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to ±0.1% | 10" x 8" x 4" (254 x 203 x 101mm) | 118ft (36m) | 4448-0700-100-UNV-SD10 (4 channels) <input type="checkbox"/> |

* Wattage requirement for one (1) fixture (Remote fixture only).

** Calculated for 16AWG cable. Contact customer service for longer remote distance.

JP - R8 Last update: November 05, 2019

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ARUP

Project Number: 271565

Phone: 1 212 896 3000

LASER BLADE XS

DOWNLIGHT

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REMOTE POWER SUPPLY OPTIONS
(TO BE ORDERED SEPARATELY)

For LBXS05 • 10W* • 700mA



| Min-max units | Watts | Voltage | Dimming protocol | Dimming range | Connexion box dimensions | Max distance** | Connexion box |
|----------------------|-------|----------|--|---------------------|--------------------------------------|----------------|---|
| 2 | 32 | 120V | Leading and trailing edge (ELV and TRIAC) | Down to $\pm 15\%$ | 6" x 4" x 3" (152 x 102 x 76mm) | 30ft (9m) | 4444-0700-032-120-LTE <input type="checkbox"/> |
| 3 | 40 | 120V | Leading and trailing edge (ELV and TRIAC) | Down to $\pm 15\%$ | 6" x 6" x 3" (152 x 152 x 76mm) | 30ft (9m) | 4445-0700-040-120-LTE <input type="checkbox"/> |
| 3 | 37 | 120-277V | Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black) | Down to $\pm 1\%$ | 5" x 4" x 3" (127 x 102 x 76mm) | 30ft (9m) | 4443-0700-037-UNV-D2 <input type="checkbox"/> |
| 1-3 | 30 | 120-277V | 0-10V ELDOLED ECOdrive | Down to $\pm 1\%$ | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-030-UNV-ED10 <input type="checkbox"/> |
| 1-3 | 30 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to $\pm 0.1\%$ | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-030-UNV-SD10 <input type="checkbox"/> |
| 1-3 | 38 | 120-277V | 0-10V ELDOLED ECOdrive | Down to $\pm 1\%$ | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-038-UNV-ED10 <input type="checkbox"/> |
| 1-8 2 per channel | 100 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to $\pm 0.1\%$ | 10" x 8" x 4" (254 x 203 x 101mm) | 118ft (36m) | 4448-0700-100-UNV-SD10 (4 channels) <input type="checkbox"/> |



For LBXS09 • 16W* • 600mA

| Min-max units | Watts | Voltage | Dimming protocol | Dimming range | Connexion box dimensions | Max distance** | Connexion box |
|----------------------|-------|----------|---|---------------------|--------------------------------------|----------------|---|
| 1 | 32 | 120V | Leading and trailing edge (ELV and TRIAC) | Down to $\pm 15\%$ | 6" x 4" x 3" (152 x 102 x 76mm) | 30ft (9m) | 4444-0600-032-120-LTE <input type="checkbox"/> |
| 1 | 30 | 120-277V | 0-10V ELDOLED ECOdrive | Down to $\pm 1\%$ | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0600-030-UNV-ED10 <input type="checkbox"/> |
| 1 | 30 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to $\pm 0.1\%$ | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0600-030-UNV-SD10 <input type="checkbox"/> |
| 1-4 1 per channel | 100 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to $\pm 0.1\%$ | 10" x 8" x 4" (254 x 203 x 101mm) | 118ft (36m) | 4448-0600-100-UNV-SD10 (4 channels) <input type="checkbox"/> |

* Wattage requirement for one (1) fixture (Remote fixture only).

** Calculated for 16AWG cable. Contact customer service for longer remote distance.

JP - R8 Last update: November 05, 2019

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ARUP

Project Number: 271565

Phone: 1 212 896 3000

LASER BLADE XS

DOWNLIGHT

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REMOTE POWER SUPPLY OPTIONS
(TO BE ORDERED SEPARATELY)

For LBXS10 • 19W* • 700mA



| Min-max units | Watts | Voltage | Dimming protocol | Dimming range | Connexion box dimensions | Max distance** | Connexion box |
|----------------------|-------|----------|---|---------------------|--------------------------------------|----------------|---|
| 1 | 32 | 120V | Leading and trailing edge (ELV and TRIAC) | Down to $\pm 15\%$ | 6" x 4" x 3" (152 x 102 x 76mm) | 30ft (9m) | 4444-0700-032-120-LTE <input type="checkbox"/> |
| 1 | 30 | 120-277V | 0-10V ELDOLED ECOdrive | Down to $\pm 1\%$ | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-030-UNV-ED10 <input type="checkbox"/> |
| 1 | 30 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to $\pm 0.1\%$ | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-030-UNV-SD10 <input type="checkbox"/> |
| 1 | 38 | 120-277V | 0-10V ELDOLED ECOdrive | Down to $\pm 1\%$ | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-038-UNV-ED10 <input type="checkbox"/> |
| 1-4 1 per channel | 100 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to $\pm 0.1\%$ | 10" x 8" x 4" (254 x 203 x 101mm) | 118ft (36m) | 4448-0700-100-UNV-SD10 (4 channels) <input type="checkbox"/> |

For LBXS15 • 29W* • 700mA



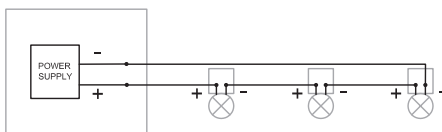
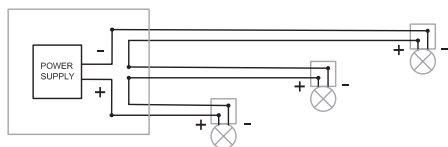
| Min-max units | Watts | Voltage | Dimming protocol | Dimming range | Connexion box dimensions | Max distance** | Connexion box |
|----------------------|-------|----------|--|---------------------|--------------------------------------|----------------|---|
| 1 | 40 | 120V | Leading and trailing edge (ELV and TRIAC) | Down to $\pm 15\%$ | 6" x 6" x 3" (152 x 152 x 76mm) | 30ft (9m) | 4445-0700-040-120-LTE <input type="checkbox"/> |
| 1 | 37 | 120-277V | Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black) | Down to $\pm 1\%$ | 5" x 4" x 3" (127 x 102 x 76mm) | 30ft (9m) | 4443-0700-037-UNV-D2 <input type="checkbox"/> |
| 1 | 30 | 120-277V | 0-10V ELDOLED ECOdrive | Down to $\pm 1\%$ | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-030-UNV-ED10 <input type="checkbox"/> |
| 1 | 30 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to $\pm 0.1\%$ | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-030-UNV-SD10 <input type="checkbox"/> |
| 1 | 38 | 120-277V | 0-10V ELDOLED ECOdrive | Down to $\pm 1\%$ | 8" x 8" x 4" (203 x 203 x 101mm) | 118ft (36m) | 4450-0700-038-UNV-ED10 <input type="checkbox"/> |
| 1-3 1 per channel | 100 | 120-277V | 0-10V ELDOLED SOLOdrive | Down to $\pm 0.1\%$ | 10" x 8" x 4" (254 x 203 x 101mm) | 118ft (36m) | 4448-0700-100-UNV-SD10 (4 channels) <input type="checkbox"/> |

* Wattage requirement for one (1) fixture (Remote fixture only).

** Calculated for 16AWG cable. Contact customer service for longer remote distance.

WIRING DIAGRAMS

*Multiple luminaires must be connected in series (home run or fixture chain)



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ARUP

Project Number: 271565

Phone: 1 212 896 3000

Manufacturer: iGuzzini : Laser Blade
Description: Recessed Linear Fixture Outdoor Rated

Fixture Wattage: 4 W
Lumen Output: 614 lumen
Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: I.LBX60 REM XX

LASER BLADE 5 REMOTE

In/Out

SPECIFICATION SHEET

PAGE: 1 OF 5

Project name:

Type:



Low luminance architectural downlight for inside or outside application.

Luminaire characteristics:

Power input: 10W

Lumens: 580 to 695lm

Luminaire efficacy: 58 to 69 lm/W

Source: White LED, (LM-80 tested),

2700K : 95CRI,

3000K : 90CRI,

4000K : 95 CRI.

Lumen maintenance: 80% of initial lumens at 50 000 hours (LM-79 tested).

Optic: Available with low luminance Wide flood or Spot optics, with Optibeam technology

Mounting: New construction plaster frame or insulated ceiling.

Material:

Body and heat-sink: Die-cast aluminum

Frame: Aluminum alloy

Reflector: Thermoplastic

Baffles: Thermoplastic

Hardware: Stainless steel

Electrical: See remote power supply options on page 5.

Finish: Gray (RAL9006) or White (RAL9010) painted finish.

Weight: 1.76lbs. (0.80kg).

Warranty: 5 year limited warranty.

Certification: cULus listed for wet location.

Ratings: IP65, IK06.

Type:

AL09

Page 1 of 5

Lighting Notes:

1. Contractor to coordinate remote driver quantities in accordance with manufacturer recommendations.
2. Contractor to coordinate remote driver locations in nearest possible location with architect.
3. Fixture finish to be specified by architect.

DUE TO CONTINUOUS IMPROVEMENTS, THE INFORMATION HEREIN MAY BE CHANGED WITHOUT NOTICE.

LAST UPDATE: JANUARY 25, 2018

LP - R2

iGuzzini
NORTH AMERICA

PRELIMINARY DATA
JANUARY, 2018



9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7
P.: 514.523.1339 F.: 514.525.6107 www.iguzzini-na.com

ARUP

Project Number: 271565

Phone: 1 212 896 3000

LASER BLADE 5 REMOTE

In/Out

SPECIFICATION SHEET

PAGE: 2 OF 5

Project name:

Type:

Type:

AL09

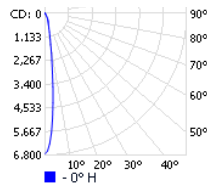
Page 2 of 5

TECHNICAL DATA

| LOAD (W) | CCT (K) | CRI | OPTIC | LUMENS (lm) | EFFICACY (lm / w) | MAX CANDELA (cd) | MODELS |
|-------------|------------|-----|------------|----------------|----------------------|---------------------|--------|
| 10W | 4000K | 95 | WIDE FLOOD | 695 | 69 | 1290 | I.BX58 |
| | 3000K | 90 | SPOT | 630 | 63 | 6755 | I.BX59 |
| | | | WIDE FLOOD | 695 | 69 | 1290 | I.BX60 |
| | 2700K | 95 | SPOT | 580 | 58 | 6240 | I.BX61 |
| | | | WIDE FLOOD | 645 | 64 | 1190 | I.BX62 |

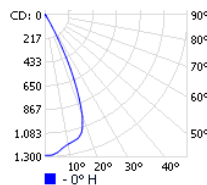
| | Center Beam fc | Beam Width |
|--------|----------------|------------|
| 2.0ft | 1,689 fc | 0.4 ft |
| 4.0ft | 422 fc | 0.9 ft |
| 6.0ft | 188 fc | 1.3 ft |
| 8.0ft | 106 fc | 1.8 ft |
| 10.0ft | 67.6 fc | 2.2 ft |
| 12.0ft | 46.9 fc | 2.7 ft |

3000K - 90 CRI - Spot 12"



| | Center Beam fc | Beam Width |
|--------|----------------|------------|
| 2.0ft | 323 fc | 1.8 ft |
| 4.0ft | 80.7 fc | 3.5 ft |
| 6.0ft | 35.9 fc | 5.3 ft |
| 8.0ft | 20.2 fc | 7.1 ft |
| 10.0ft | 12.9 fc | 8.8 ft |
| 12.0ft | 8.97 fc | 10.6 ft |

3000K - 90 CRI - Wide flood 48"



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 9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7
 P.: 514.523.1339 F.: 514.525.6107 www.iguzzini-na.com
ARUP
 Project Number: 271565
 Phone: 1 212 896 3000

LASER BLADE 5 REMOTE

InOut

SPECIFICATION SHEET

PAGE: 3 OF 5

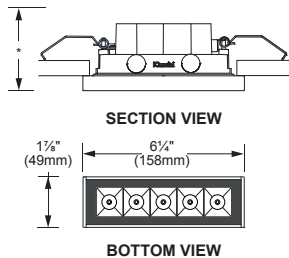
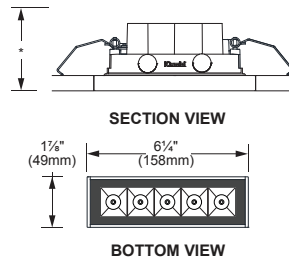
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Type:

Type:

AL09

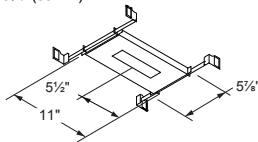
Page 3 of 5

Trim**Flush Mount****HOUSINGS****Trim version:**

Hanger bars: 9" to 15 1/4" (229mm x 387mm)
with extensions: 15" to 24" (381mm x 610mm)

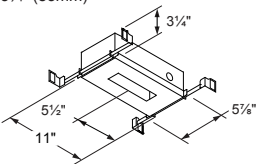
BN5103 - New construction plaster frame suitable for insulated ceilings.

Dimensions: 5 5/8" x 11" (149mm x 279mm)
Clearance: 3/4" (83mm)



BI5113 - New construction housing suitable for insulated ceilings.

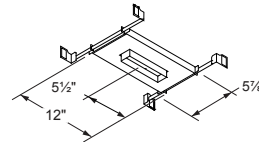
Dimensions: 5 5/8" x 11" x 3/4" (149mm x 279mm x 83mm)
Clearance: 3/4" (83mm)

**HOUSINGS****Trim version:**

Hanger bars: 9" to 15 1/4" (229mm x 387mm)
with extensions: 15" to 24" (381mm x 610mm)

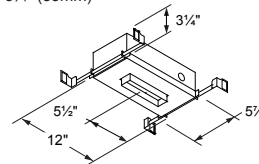
BN5145 - New construction plaster frame suitable for insulated ceilings.

Dimensions: 5 5/8" x 12" (149mm x 305mm)
Clearance: 3/4" (83mm)



BI5145 - New construction housing suitable for insulated ceilings.

Dimensions: 5 5/8" x 12" x 3/4" (149mm x 305mm x 83mm)
Clearance: 3/4" (83mm)

**INSTALLATION INFO****Ceiling thickness:**

Dimensions: Min: 1/8" (3mm), Max 1" (25mm)

Cut-out dimensions:

Dimensions: 1 1/2" x 5 1/2" (37mm x 141mm)

INSTALLATION INFO FLUSH MOUNT**Ceiling thickness:**

Dimension: 5/8" (15mm)

Cut-out dimensions:

Dimensions: 2 1/4" x 6 1/2" (56mm x 164mm)

DUE TO CONTINUOUS IMPROVEMENTS, THE INFORMATION HEREIN MAY BE CHANGED WITHOUT NOTICE.

LAST UPDATE: JANUARY 25, 2018

LP - R2

iGuzzini
NORTH AMERICA

PRELIMINARY DATA
JANUARY, 2018



9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7
P.: 514.523.1339 F.: 514.525.6107 www.iguzzini-na.com

ARUP

Project Number: 271565

Phone: 1 212 896 3000

LASER BLADE 5 REMOTE
InOut**SPECIFICATION SHEET**

PAGE: 4 OF 5

Project name:

Type:

Type:

AL09

Page 4 of 5

ORDERING INFO

RESET

| I.BX60 - REM | | | |
|--|---|--|--|
| MODEL | VOLTAGE | FINISH | MOUNTING |
| MODEL <input type="radio"/> I.BX58 - 4000K, 95CRI <input type="radio"/> I.BX59 - 3000K, 90CRI <input checked="" type="radio"/> I.BX60 - 3000K, 90CRI <input type="radio"/> I.BX61 - 2700K, 95CRI <input type="radio"/> I.BX62 - 2700K, 95CRI | VOLTAGE <input checked="" type="radio"/> REM - Remote | FINISH <input type="radio"/> 01 - White/Black <input type="radio"/> 10 - Gray/Black | MOUNTING Trim <input type="radio"/> BN5103 - New construction plaster frame <input type="radio"/> BI5113 - New construction housing Flush mount <input type="radio"/> BN5145 - New construction plaster frame <input type="radio"/> BI5145 - New construction housing |

DUE TO CONTINUOUS IMPROVEMENTS, THE INFORMATION HEREIN MAY BE CHANGED WITHOUT NOTICE.

LAST UPDATE: JANUARY 25, 2018

LP - R2

iGuzzini
NORTH AMERICA**PRELIMINARY DATA**
JANUARY, 20189320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7
P.: 514.523.1339 F.: 514.525.6107 www.iguzzini-na.com**ARUP**Project Number: 271565
Phone: 1 212 896 3000

LASER BLADE 5 REMOTE

InOut

SPECIFICATION SHEET

PAGE: 5 OF 5

Project name:

Type:

Type:

AL09

Page 5 of 5

ORDERING INFO

RESET

REMOTE POWER SUPPLY OPTION

Requirement for one (1) fixture: 700mA, 15V

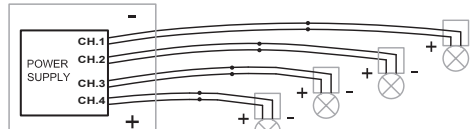
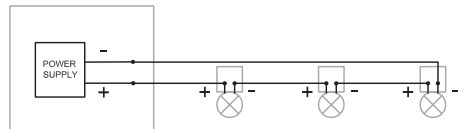
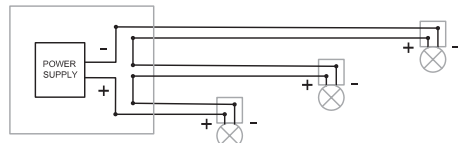
- | | | |
|---|--|--|
| <input type="radio"/> 4444-0700-011-UNV-ND | <input type="radio"/> 4450-0700-014-UNV-D2 | <input type="radio"/> 4450-0700-030-UNV-SD10 |
| <input type="radio"/> 4444-0700-025-UNV-D10 | <input type="radio"/> 4450-0700-030-UNV-ED10 | <input type="radio"/> 4450-0700-050-UNV-SD10 |
| <input type="radio"/> 4444-0700-012-120-LTE | <input type="radio"/> 4450-0700-050-UNV-ED10 | <input type="radio"/> 4448-0700-100-UNV-SD10 |

REMOTE POWER SUPPLY OPTION
(TO BE ORDERED SEPARATELY)

| Watts | Min-Max | Voltage | Dimming Range | Dimming protocol | Box dimensions | Max distance at full load (16AWG) | Code |
|-------|-------------------|----------|---------------------|--|-------------------------------------|-----------------------------------|------------------------|
| 11 | 1 | 120-277V | — | None | 6" X 4" X 3" (152 X 102 X 76mm) | 30ft (9m) | 4444-0700-011-UNV-ND |
| 25 | 1-2 | 120-277V | Down to $\pm 15\%$ | 0-10V | 6" X 4" X 3" (152 X 102 X 76mm) | 30ft (9m) | 4444-0700-025-UNV-D10 |
| 12 | 1 | 120V | Down to $\pm 15\%$ | Leading and trailing edge (ELV and TRIAC) | 6" X 4" X 3" (152 X 102 X 76mm) | 30ft (9m) | 4444-0700-012-120-LTE |
| 14 | 1 | 120-277V | Down to $\pm 5\%$ | Lutron Hi Lume® A-Series (3 wires or EcoSystem®) | 8" x 8" x 4" (203x 203 x 102mm) | 35ft (10m) | 4450-0700-014-UNV-D2 |
| 30 | 1-2 | 120-277V | Down to $\pm 1\%$ | 0-10V ELDOLED ECOdrive | 8" x 8" x 4" (203x 203 x 102mm) | 118ft (36m) | 4450-0700-030-UNV-ED10 |
| 50 | 1-3 | 120-277V | Down to $\pm 1\%$ | 0-10V ELDOLED ECOdrive | 8" x 8" x 4" (203x 203 x 102mm) | 118ft (36m) | 4450-0700-050-UNV-ED10 |
| 30 | 1-2 | 120-277V | Down to $\pm 0.1\%$ | 0-10V ELDOLED SOLOdrive | 8" x 8" x 4" (203x 203 x 102mm) | 118ft (36m) | 4450-0700-030-UNV-SD10 |
| 50 | 1-4 2 channels | 120-277V | Down to $\pm 0.1\%$ | 0-10V ELDOLED SOLOdrive | 8" x 8" x 4" (203x 203 x 102mm) | 118ft (36m) | 4450-0700-050-UNV-SD10 |
| 100 | 1-8 4 channels | 120-277V | Down to $\pm 0.1\%$ | 0-10V ELDOLED SOLOdrive | 10" x 8" x 4" (254x 203 x 102mm) | 118ft (36m) | 4448-0700-100-UNV-SD10 |

WIRING DIAGRAMS

*Multiple luminaires must be connected in series (home run or fixture chain)



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LAST UPDATE: JANUARY 25, 2018

LP - R2

iGuzzini
NORTH AMERICA**PRELIMINARY DATA**
JANUARY, 20189320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7
P.: 514.523.1339 F.: 514.525.6107 www.iguzzini-na.com**ARUP**Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: BEGA : 22248
Description: Recessed Wall Light

Fixture Wattage: 2 W
Lumen Output: 159 lumen or lumen/ft
Lamp CRI: 80+
Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: 22248-K3

LED recessed wall - shielded

BEGA

Type:

AW02

Page 1 of 1

Lighting Notes:

1. Fixture finish to be specified by architect.

Application

Designed for low mounting heights for interior and exterior locations, the shielded light distribution is ideal for the glare-free illumination of ground surfaces, building entrances, stairs, and footpaths.

Materials

Luminaire housing and faceplate constructed of die-cast marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
 White safety glass
 High temperature silicone gasket
 Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
 Protection class IP 65
 Weight: 2.2 lbs

Electrical

Operating voltage 120-277VAC
 Minimum start temperature -30°C
 LED module wattage 3.9W
 System wattage 6.0W
 Controllability 0-10V dimmable
 Color rendering index $Ra > 90$
 Luminaire lumens 159 lumens (3000K)
 Lifetime at $T_a = 15^{\circ}\text{C}$ $> 500,000$ h (L70)
 Lifetime at $T_a = 45^{\circ}\text{C}$ 172,000 h (L70)

LED color temperature

- ☐ 4000K - Product number + **K4**
☐ 3500K - Product number + **K35**
☒ 3000K - Product number + **K3 (EXPRESS)**
☐ 2700K - Product number + **K27**
☐ Amber - Product number + **AMB**

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

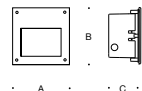
Available colors ☐ Black (BLK) ☐ White (WHT) ☒ RAL:
☐ Bronze (BRZ) ☐ Silver (SLV) ☐ CUS:

Type:

BEGA Product:

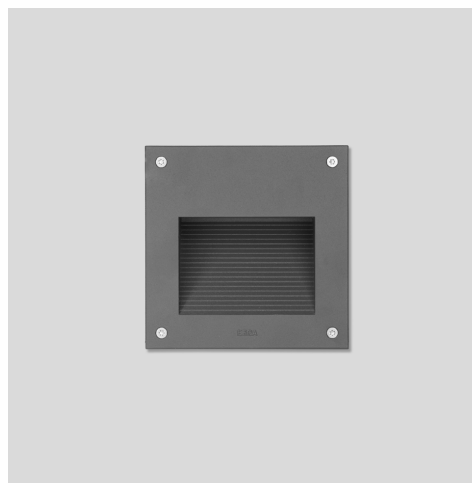
Project:

Modified:



LED recessed wall - shielded

| | LED | A | B | C |
|--------------|-----------------|-----------------|-----------------|-----------------|
| 22272 | ADA 3.9W | 5 $\frac{7}{8}$ | 5 $\frac{7}{8}$ | 4 $\frac{1}{8}$ |



BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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ARUP

Project Number: 271565
 Phone: 1 212 896 3000

Type:

Admin Building

ARUP

Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: iGuzzini : Palco In Out
Description: Surface Mounted Spotlight (Low Voltage)

Fixture Wattage: 9 W
Lumen Output: 653 lumen
Lamp CRI: 80+
Lighting Controls: 0-10V Dimming

Voltage: 24 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: EH97

Palco InOut

Design Artec3 Studio

iGuzzini

Last information update: October 2020

Product configuration: EH97

EH97: Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic

Product code

EH97: Spotlight with base - Warm White Led - integrated electronic control gear - Very Wide Flood optic

Technical description

Spotlight designed to use LED lamps and a Very Wide Flood optic. The optical assembly and base is made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. 5 mm thick tempered sodium-calcium closing glass. Double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks for rotation on both the vertical axis and horizontal plane. Complete with a monochrome LED circuit and an Opti Beam Reflector optic system. The product includes a PG13.5 cable gland. Electronic On/Off ballast integrated in product. Option of using optic accessories assembled via an accessory holder frame. All external screws used are made of A2 stainless steel.

Installation

Floor, wall, ceiling or ground-installed via pole or stake.

Colour

White (01) | Grey (15)

Weight (Kg)

1.9

Mounting

wall surface | ground spike

Wiring

Double PG.

Complies with EN60598-1 and pertinent regulations

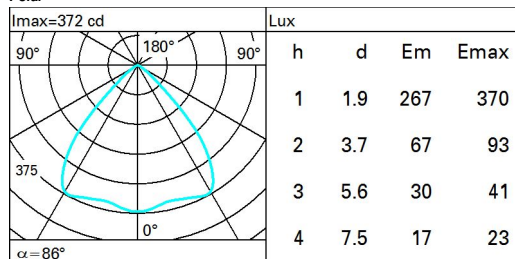


IK07

IP66

**Technical data**

| | | | |
|--|------|---|---|
| lm system: | 653 | Life Time LED 1: | 65,000h - L80 - B10 (Ta 25°C) |
| W system: | 10.9 | Life Time LED 2: | 65,000h - L80 - B10 (Ta 40°C) |
| lm source: | 920 | Ballast losses [W]: | 1.8 |
| W source: | 9.1 | Lamp code: | LED |
| Luminous efficiency (lm/W, 59.9 real value): | | Number of lamps for optical 1 assembly: | |
| lm in emergency mode: | - | ZVEI Code: | LED |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Number of optical assemblies: | 1 |
| Light Output Ratio (L.O.R.) [%]: | 71 | Ambient operating temperature range: | from -20°C to 50°C. |
| Beam angle [°]: | 86° | Lifetime of product at ambient operating temperature: | ≥ 50,000h Ta=40°C |
| CRI: | 80 | Power factor: | See installation instructions |
| Colour temperature [K]: | 3000 | Overvoltage protection: | 2kV Common mode & 1kV Differential mode |
| MacAdam Step: | 2 | Control: | On/off |

Polar**Type:****AWS02**

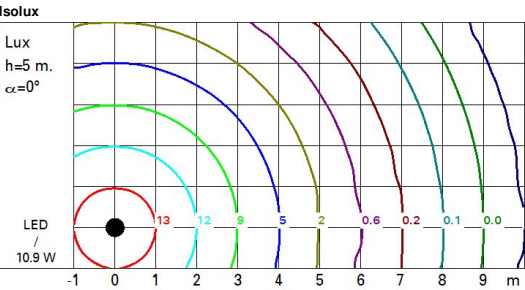
Page 1 of 2

Lighting Notes:

1. Finish to be specified by architect
2. Add alternate: Standard Finish

ARUPProject Number: 271565
Phone: 1 212 896 3000

EH97_EN 1 / 2



UGR diagram

| Corrected UGR values (at 920 lm bare lamp luminous flux) | | | | | | | | | | | | | | |
|--|------|------------------|------|------|------|-------------|----------------|------|------|------|------|--|--|--|
| Reflect.: | | viewed crosswise | | | | | viewed endwise | | | | | | | |
| ceiling | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | | | |
| walls | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | | | |
| work pl. | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | | | |
| Room dim | | viewed crosswise | | | | | viewed endwise | | | | | | | |
| x y | | | | | | | | | | | | | | |
| 2H | 2H | 23.9 | 24.7 | 24.2 | 24.9 | 25.1 | 23.9 | 24.7 | 24.2 | 24.9 | 25.1 | | | |
| | 3H | 23.8 | 24.5 | 24.1 | 24.7 | 25.0 | 23.8 | 24.5 | 24.1 | 24.7 | 25.0 | | | |
| | 4H | 23.7 | 24.3 | 24.1 | 24.6 | 24.9 | 23.7 | 24.4 | 24.1 | 24.6 | 25.0 | | | |
| | 6H | 23.6 | 24.2 | 24.0 | 24.5 | 24.9 | 23.7 | 24.2 | 24.0 | 24.5 | 24.9 | | | |
| | 8H | 23.6 | 24.1 | 24.0 | 24.5 | 24.8 | 23.6 | 24.2 | 24.0 | 24.5 | 24.8 | | | |
| | 12H | 23.6 | 24.1 | 23.9 | 24.4 | 24.8 | 23.6 | 24.1 | 24.0 | 24.4 | 24.8 | | | |
| 4H | 2H | 23.7 | 24.4 | 24.1 | 24.6 | 25.0 | 23.7 | 24.3 | 24.1 | 24.6 | 24.9 | | | |
| | 3H | 23.6 | 24.1 | 24.0 | 24.5 | 24.8 | 23.6 | 24.1 | 24.0 | 24.5 | 24.8 | | | |
| | 4H | 23.5 | 24.0 | 23.9 | 24.3 | 24.7 | 23.5 | 24.0 | 23.9 | 24.3 | 24.7 | | | |
| | 6H | 23.4 | 23.8 | 23.9 | 24.2 | 24.7 | 23.4 | 23.8 | 23.9 | 24.2 | 24.7 | | | |
| | 8H | 23.4 | 23.8 | 23.8 | 24.2 | 24.6 | 23.4 | 23.8 | 23.8 | 24.2 | 24.6 | | | |
| | 12H | 23.3 | 23.7 | 23.8 | 24.1 | 24.6 | 23.3 | 23.7 | 23.8 | 24.1 | 24.6 | | | |
| 8H | 4H | 23.4 | 23.8 | 23.8 | 24.2 | 24.6 | 23.4 | 23.8 | 23.8 | 24.2 | 24.6 | | | |
| | 6H | 23.3 | 23.6 | 23.8 | 24.0 | 24.5 | 23.3 | 23.6 | 23.8 | 24.0 | 24.5 | | | |
| | 8H | 23.3 | 23.5 | 23.7 | 24.0 | 24.5 | 23.3 | 23.5 | 23.7 | 24.0 | 24.5 | | | |
| | 12H | 23.2 | 23.4 | 23.7 | 23.9 | 24.4 | 23.2 | 23.4 | 23.7 | 23.9 | 24.4 | | | |
| 12H | 4H | 23.3 | 23.7 | 23.8 | 24.1 | 24.6 | 23.3 | 23.7 | 23.8 | 24.1 | 24.6 | | | |
| | 6H | 23.3 | 23.5 | 23.7 | 24.0 | 24.5 | 23.3 | 23.5 | 23.7 | 24.0 | 24.5 | | | |
| | 8H | 23.2 | 23.4 | 23.7 | 23.9 | 24.4 | 23.2 | 23.4 | 23.7 | 23.9 | 24.4 | | | |
| Variations with the observer position at spacing: | | | | | | | | | | | | | | |
| S = | 1.0H | 2.7 / -7.1 | | | | 2.7 / -7.1 | | | | | | | | |
| | 1.5H | 4.8 / -11.5 | | | | 4.8 / -11.5 | | | | | | | | |
| | 2.0H | 6.8 / -13.9 | | | | 6.8 / -13.9 | | | | | | | | |

Type:
AWS02
Page 2 of 2

ARUP
Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: USAI Lighting : 4.5" Round Deep Regress Downlight
Description: Recessed Downlight

Fixture Wattage: 33 W
Lumen Output: 1925 lumen
Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: B4RCF-33C3-30KH-70-S-WH-WH-NC-UNV-D6E

BeveLED® 2.2 Complete 4.5" Round Deep Regress Downlight - B4RC

USAI
Lighting

Type:

AD02

Page 1 of 7

Universal and Field Convertible - Trim | Trimless | Millwork

Trimmed - B4RCF



usailighting.com/beveled

Trimless - B4RCL



Millwork - B4RCM



FEATURES

- Field Flexibility between trimmed, trimless and millwork
- Dry/damp/wet location rated for bathrooms and showers, including trimless and millwork
- 1% dimming standard + more dimming options
- Clear overspray protector for installation convenience
- Full family platform
- Iconic beveled look

COMPANION FAMILY PRODUCTS



Downlight - B4RD
usailighting.com/B4RD



Adjustable - B4RA
usailighting.com/B4RA



Wall Wash - B4RW
usailighting.com/B4RW

DEEP REGRESS DOWNLIGHT PERFORMANCE DATA

LED COLOR CHOICES

| DELIVERED* PERFORMANCE: | Classic White | | | | | | Warm Glow Dimming | | Color Select | |
|----------------------------|--------------------------------|------|------|------|------|------|----------------------|------|----------------------|------|
| | 9W | 12W | 16W | 24W | 33W | 36W | 16W | 32W | 16W | 32W |
| Source Lumens: | 1150 | 1300 | 1725 | 2400 | 3025 | 4150 | 1275 | 2150 | 1250 | 2075 |
| Lumens Per Watt: | 70 | 69 | 68 | 64 | 58 | 85 | 56 | 47 | 54 | 52 |
| Delivered Lumens: | 625 | 825 | 1100 | 1550 | 1925 | 2950 | 900 | 1500 | 850 | 1525 |
| EM Mode Output: | 450 Delivered Lumens (nominal) | | | | | | 350 Delivered Lumens | | 375 Delivered Lumens | |

*Based on 3000K, 80+ CRI. Performance varies for each specific beamspread and color temperature. See IES files for exact values at usailighting.com.

CORRELATED COLOR TEMPERATURE MULTIPLIER

| | Classic White | | | | | | Warm Glow Dimming | | | Color Select | | | | | |
|------------------------------|---------------|-------|-------|-------|-------|------|-------------------|-------|-------|--------------|-------|-------|-------|-------|-------|
| | 2200K | 2700K | 3000K | 3500K | 4000K | | 2700K | 3000K | 3500K | 2200K | 2700K | 3500K | 4000K | 5000K | 6000K |
| Color Rendering Index: | 80+ | 80+ | 90+ | 80+ | 90+ | 80+ | 90+ | 80+ | 90+ | 80+ | 80+ | 80+ | 80+ | 80+ | 80+ |
| Multiplier for Lumen Output: | 0.72 | 0.94 | 0.78 | 1.00 | 0.78 | 1.00 | 1.00 | 1.06 | 1.06 | 0.94 | 0.74 | 1.00 | 0.80 | 1.07 | 0.87 |

THE COMPLETE BEVELED FAMILY PLATFORM

More Ceiling Applications



Sloped Ceiling

BeveLED Block

Cylinders

More Sizes and Shapes



BeveLED Micro

BeveLED Mini

BeveLED 5.0

Armstrong® Ceiling Solutions Compatible



Trimless Acoustical

Connect TechZone

BeveLED Connect

Page 1

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Revised 06/04/2019

ARUP

Project Number: 271565
Phone: 1 212 896 3000

USAI®
Lighting

AD02

Specify fixture part number. (All boxes must be filled in to correctly order)

TRIM FINISH OPTIONS



Custom colors and primer finish also available

Page 2

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Revised: 06/04/2019

ARUP

Project Number: 271565
Phone: 1 212 896 3000

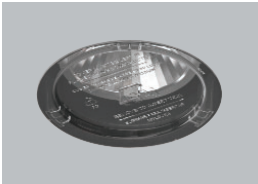
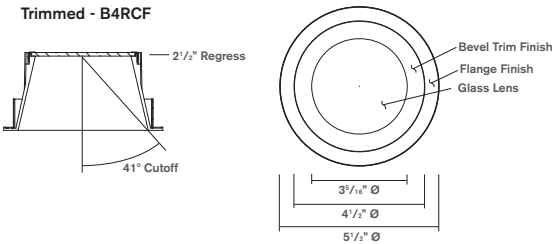


Type: **AD02**
Page 3 of 7

BeveLED® 2.2 Complete
4.5" Round Deep Regress Downlight - B4RC

Trimmed - B4RCF

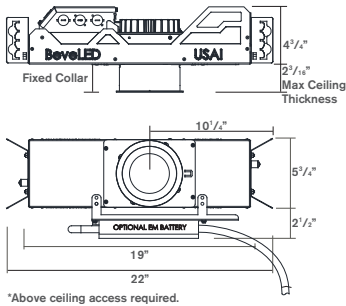
TRIM DETAILS



Clear acrylic overspray protector provided standard with every housing to keep out dust and contaminants during construction. Allows for use as work light.

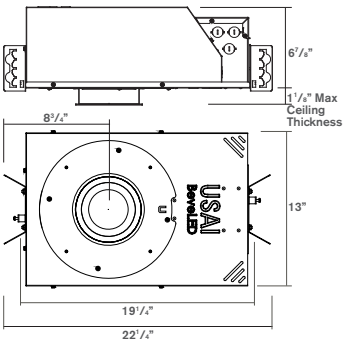
HOUSING OPTIONS

**New Construction Narrow Width - NCSM
NCSM with Emergency Battery***

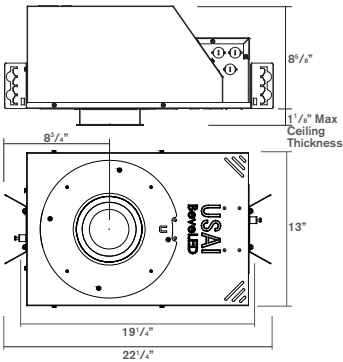


*Above ceiling access required.

**New Construction - NC
Insulation-Contact Rated (24W Max) - NCIC
Chicago Plenum Rated (24W Max) - NCCP
NC with Emergency Battery**



**Insulation-Contact Rated (32W-33W) - NCIC
Chicago Plenum Rated (32W-36W) - NCCP**



BeveLED® 2.2 Complete
4.5" Round Deep Regress Downlight - B4RCUSAI®
Lighting

Type:

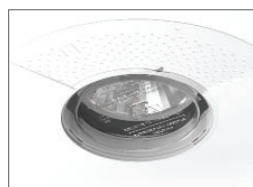
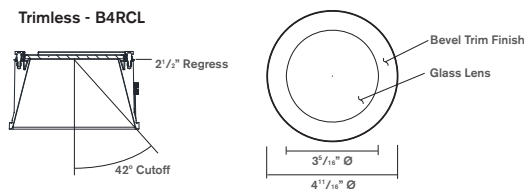
AD02

Page 4 of 7

Trimless - B4RCL

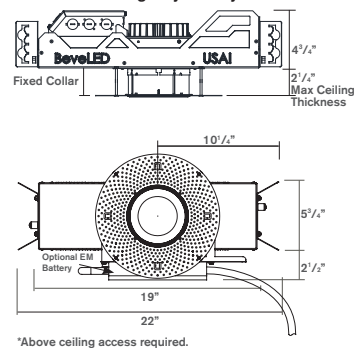
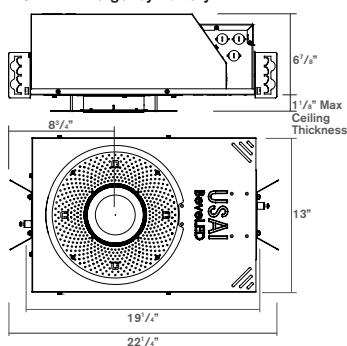
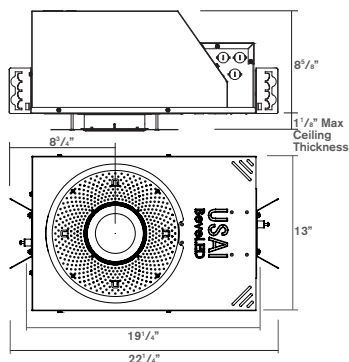
TRIM DETAILS

Trimless - B4RCL



Clear acrylic overspray protector provided standard with every housing to keep out dust and contaminants during construction. Allows for use as work light.

HOUSING OPTIONS

New Construction Narrow Width - NCSM
NCSM with Emergency Battery*New Construction - NC
Insulation-Contact Rated (24W Max) - NCIC
Chicago Plenum Rated (24W Max) - NCCP
NC with Emergency BatteryInsulation-Contact Rated (32W-33W) - NCIC
Chicago Plenum Rated (32W-36W) - NCCP

Page 4

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ARUP

Project Number: 271565
Phone: 1 212 896 3000

BeveLED® 2.2 Complete
4.5" Round Deep Regress Downlight - B4RC

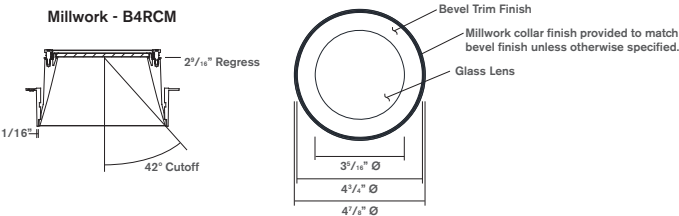


Type:
AD02
Page 5 of 7

Millwork - B4RCM

TRIM DETAILS

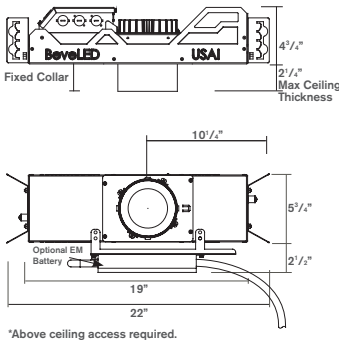
Millwork - B4RCM



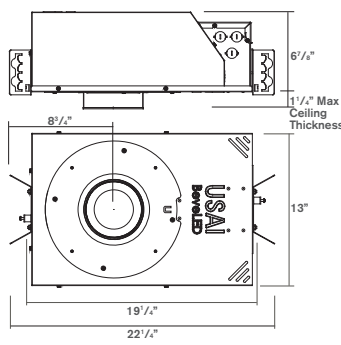
Clear acrylic overspray protector provided standard with every housing to keep out dust and contaminants during construction. Allows for use as work light.

HOUSING OPTIONS

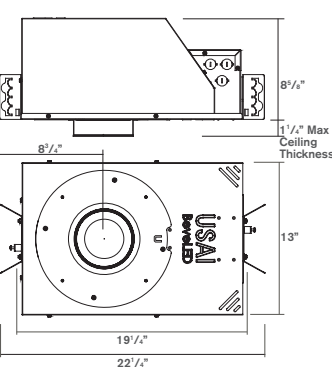
**New Construction Narrow Width - NCSM
NCSM with Emergency Battery***



**New Construction - NC
Insulation-Contact Rated (24W Max) - NCIC
Chicago Plenum Rated (24W Max) - NCCP
NC with Emergency Battery**



**Insulation-Contact Rated (32W-33W) - NCIC
Chicago Plenum Rated (32W-36W) - NCCP**



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Revised 06/04/2019

ARUP
Project Number: 271565
Phone: 1 212 896 3000



BeveLED® 2.2 Complete 4.5" Round Deep Regress Downlight - B4RC

BEVELED 2.2 SPECIFICATIONS

FIELD REPLACEABLE LED LIGHT ENGINE

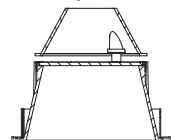
is serviceable through the aperture without tools or with a Philips screwdriver. All USAI Lighting light engines feature industry-leading color consistency.

FIELD REPLACEABLE DRIVER

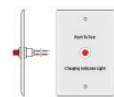
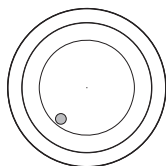
Unless otherwise specified, a 0-10V, 100%-1% solid state electronic constant current integral D6E dimming driver with a high power factor is provided standard and sources 2mA. All integral dimming drivers are located within the fixture housing and are serviceable from below the ceiling through the aperture. Some on-time delay may be experienced depending on control system used. All dimming drivers comply with IEEE C62.41 surge protection.

EMERGENCY BATTERY

IOTA emergency battery provides backup power for 90 minutes. NC EM fixtures are provided with an integral emergency battery with integral test switch and can be serviced through the aperture from below the ceiling plane. NCSM EM fixtures are provided with an integral emergency battery with a remote test switch, which comes with a 24" lead length for location of the test switch. Remote EM test switch is dry/damp only; select EMW emergency option for a wet location-rated EM test switch. NCSM EM fixtures require above ceiling access for service of the EM pack. Fixtures that have no USAI EM option may be connected to an inverter (by others) for emergency lighting. Battery is not available with 347V.



Integral Emergency
Test Switch included
with NC housing



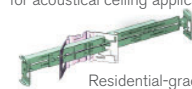
Remote Emergency Test Switch
included with NCSM housing
(above ceiling access required).

HOUSING

All BeveLED 2.2 fixtures are field-flexible which allows for field changes from trimless to trimmed or millwork with a simple components change with parts from USAI. Housings are fabricated of 20 ga. steel construction with thru wire J-box, 4 in 4 out at min. 90°C, #12 AWG thru branch circuit wiring, except for NCSM which is fabricated of 18 ga. steel. NCIC housing for use with 9W, 12W, and 16W light engines only are rated for direct contact with spray foam insulation of R-24 or less.

MOUNTING

B4RCF overlap flange fixtures are designed for use in sheetrock, acoustical ceiling tile, and many other ceiling materials. B4RCL trimless fixtures are provided with a spackle collar and are designed for use in sheetrock/mud-in ceiling applications. B4RCM millwork fixtures are provided with a millwork collar in finish to match trim finish specified and are designed for use in wood/millwork, stone and tile construction applications. Butterfly brackets and residential grade adjustable nailer bars extendible from 14" to 24" centers with integral nails are provided standard for attachment to building structure. C-channel bars are optionally available for acoustical ceiling applications.



Residential-grade nailer bars provided standard.

FIXTURE WEIGHT

NC, NCIC, and NCCP housings weigh 16 lbs. NCSM housing weighs 10 lbs. NCSM with EM weighs 16.5 lbs, and NC housing with EM weighs 24.5 lbs.

WARRANTY

Based on IESNA LM80-2008, BeveLED has a 50,000 hour rated life at 70% lumen maintenance (L70). USAI Lighting Warranty covers replacement parts for 5 years from date of shipment. Ambient temperatures at fixture location should not exceed 40°C during normal operation.

CEILING CUT OUT

B4RCF Trimmed Overlap Flange: 5-1/16" Ø

B4RCL Trimless Spackle-in: 5-1/2" Ø

B4RCM Millwork Knife-edge: 4-15/16" Ø

LISTINGS

Dry/Damp/Wet location. UL2043 rated for use in air handling plenums. AC and AB trim finishes are dry/damp only. Remote EM test switch is dry/damp only. Select EMW option for wet location remote test switch. NRTL/CSA-US tested to UL standards. IBEW union made.



NOTES

- Use of pressure washer voids warranty

PHOTOMETRICS

Consult factory or website for IES files. Tested in accordance with IESNA LM79.

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Revised 06/04/2019

Type:

AD02

Page 6 of 7

ARUP

Project Number: 271565
Phone: 1 212 896 3000

BeveLED® 2.2 Complete 4.5" Round Deep Regress Downlight - B4RC

USAI
Lighting

Type:

AD02

Page 7 of 7

LED COLOR OPTIONS

Classic White Light

Our proprietary LED light engines achieve a 2-step MacAdam ellipse along the black body locus, resulting in reliable and uniform color from fixture to fixture. You'll see the results in consistently beautiful light throughout your space, whichever USAI LED product you specify.



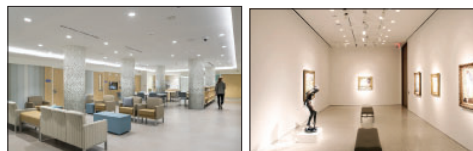
Warm Glow® Dimming

Warm Glow Dimming provides warmth and glow once possible only in dimmed incandescent sources. Utilizing our patented proprietary algorithm and circuitry, Warm Glow Dimming technologies precisely mimic the black body curve of a standard 100W A19 lamp by gradually transitioning from 2700K, 3000K or 3500K down to 2200K. The result is virtually indistinguishable from an incandescent light source.



Color Select® Tunable White

Color Select represents the next innovation in color temperature control for advanced LED recessed downlighting. Color Select® products allow users to adjust color temperature from 6000K down to 2200K while independently adjusting intensity to achieve ultimate control over the quality of light in a space with a single fixture type. Color Select interfaces with standard dimming and control systems.



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Revised 06/04/2019

ARUP

Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: iGuzzini : Adjustable Spot Light
Description: Adjustable LED Spot Light

Fixture Wattage: 28 W
Lumen Output: 2060 lumen
Lamp CRI: 90+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: I.PLC S-930-WF-120-X-X

PALCO SMALL

LED

Type:

Project :

SPECIFICATION SHEET

Page: 1 of 4



Palco, a veritable family of projectors, considers the work exhibited not only as a physical element, but also its content, the feelings and the message that it is communicating, without forgetting about the space and its contribution to the work. Its shape is inspired by the brush, the main tool used by the artist in the creative process.

Luminaire characteristic:

Power input: 7.5 or 29W
Lumens: from 235 to 2010lm (for 3000K, 90CRI)
Luminaire efficacy: Up to 69lm/W

Source: White LED (LM-80 tested)
 3000K : 90CRI,
 4000K : 80CRI.

Lumen maintenance: 80% of initial lumens at 50 000 hours (L80).

Optic: Super Spot, Spot, Medium, Flood, Wide Flood or Wall Washer optics.

Material: Optical body and arm: Die-cast aluminum
 Accessory holder ring and driver housing: thermoplastic
 Reflector: formed aluminum (all optics except Super Spot)
 Lens: methacrylate (only for Super Spot optic)
 Protective screen: glass.

Mounting: Track adaptor with circuit selector for two circuit tracks.
 Also, compatible with TEK or HTEK from Nordic Aluminum.

Electrical: Integral high efficiency driver 120 / 277V

Dimming: Leading (Triac) and trailing edge (ELV) for 120V only.

Finish: White RAL9010, Black.

Weight: STANDARD: 2.8lbs (1.3kg)
 WALL WASHER: 3.2lbs (1.4kg)

Warranty: 5 year limited warranty.

Ratings: IP20

Certification:



cULus listed for dry location.

Type:

AH01

Page 1 of 4

Lighting Notes:

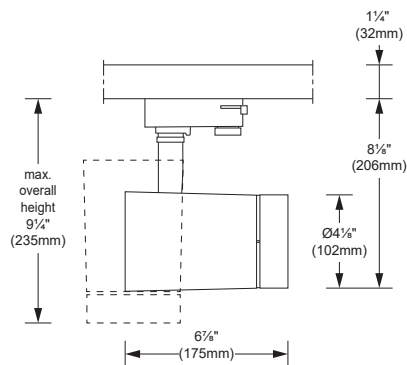
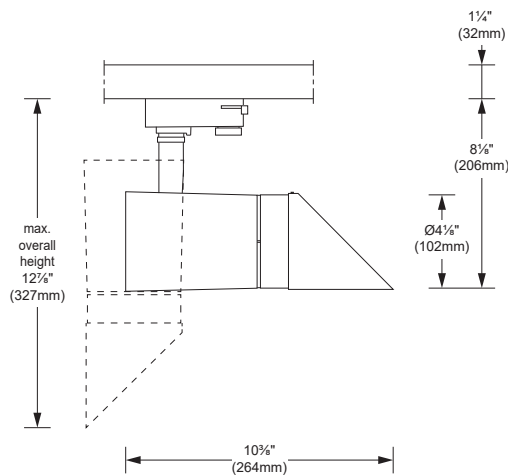
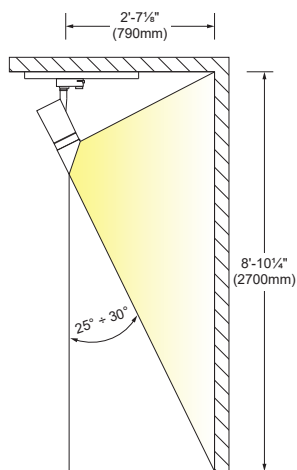
1. Finish to be specified by architect
2. Add alternate: Standard Finish
3. Provide 10% of fixtures with a hex louver

ARUP

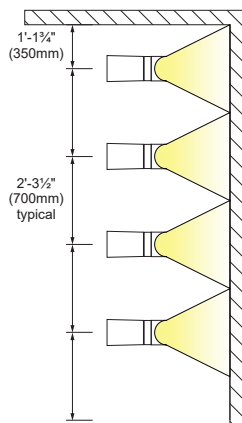
Project Number: 271565
 Phone: 1 212 896 3000

PALCO
SMALL LEDType: _____
Project : _____SPECIFICATION SHEET
Page: 2 of 4**DIMENSION****STANDARD**

Super Spot, Spot, Medium, Flood and Wide Flood optics

**WALL WASHER****WALL WASHER SUGGESTED SPACING AND WALL DISTANCE**

SIDE VIEW



TOP VIEW

JP - R7

Last update: February 28, 2020

Due to continuous improvements, the information herein may be changed without notice

iGuzzini
NORTH AMERICA

9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7, P.: 514.523.1339 F.: 514.525.6107 www.iguzzini-na.com

Type:

AH01

Page 2 of 4

ARUPProject Number: 271565
Phone: 1 212 896 3000

PALCO
SMALL LEDType: _____ SPECIFICATION SHEET
Project : _____ Page: 3 of 4**PHOTOMETRIC DATA**Visit iguzzini.com/us for complete photometric data.

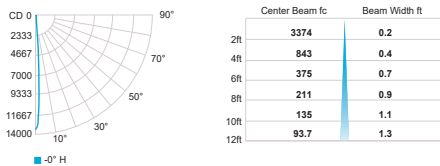
| CCT (K) | CRI | LOAD (W) | OPTIC | LUMENS (lm) | EFFICACY (lm / w) | MAX CANDELA (cd) |
|---------|-----|----------|---------------------------|-------------|-------------------|------------------|
| 3000K | 90 | 7.5W | Super Spot ⁽¹⁾ | 235 | 31 | 13 495 |
| | | 29W | Spot | 1960 | 68 | 20 965 |
| | | | Medium | 1955 | 67 | 11 300 |
| | | | Flood | 1895 | 65 | 5 285 |
| | | | Wide Flood | 2010 | 69 | 3 830 |
| | | | Wall Washer | 1010 | 35 | 1 555 |

*Use multiplier table for other cct and cri output data

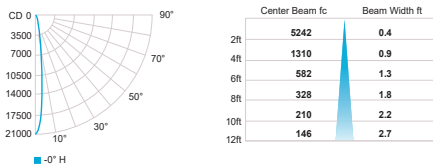
⁽¹⁾Not applicable for Super Spot model

| | |
|-------------------|-------------|
| CCT options | 4000K |
| CRI options | 80CRI |
| Multiplier | 1.13 |

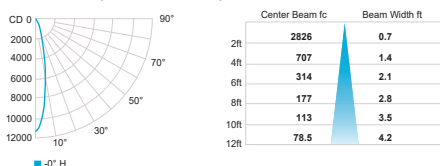
Super Spot 6° (7.5W - 3000K - 90 CRI)



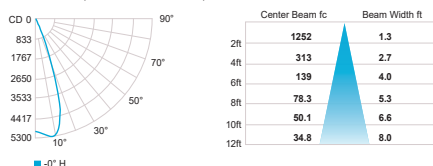
Spot 12° (29W - 3000K - 90 CRI)



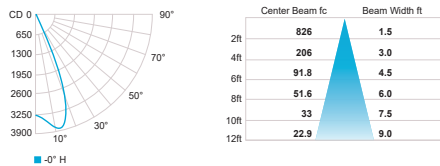
Medium 20° (29W - 3000K - 90 CRI)



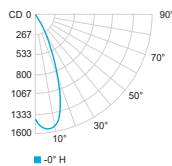
Flood 38° (29W - 3000K - 90 CRI)



Wide Flood 46° (29W - 3000K - 90 CRI)



Wall Washer (29W - 3000K - 90 CRI)



JP - R7 Last update: February 28, 2020

Due to continuous improvements, the information herein may be changed without notice

iguzzini
NORTH AMERICA9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7, P.: 514.523.1339 F.: 514.525.6107 www.iguzzini-na.com

Type:

AH01

Page 3 of 4

ARUP

Project Number: 271565

Phone: 1 212 896 3000

PALCO
SMALL LEDType:
Project :SPECIFICATION SHEET
Page: 4 of 4**ORDERING INFO****I.PLC S** - - - -
FIXTURE

RESET

Type:

AH01

Page 4 of 4

MODEL **I.PLC S** - Small**LED**☐ **840** - 4000K, 80 CRI ☐ **930** - 3000K, 90 CRI**OPTIC**☐ **SS** - Super Spot⁽¹⁾ ☐ **SP** - Spot ☐ **MD** - Medium ☐ **FL** - Flood
☐ **WF** - Wide Flood ☐ **WW** - Wall Washer**VOLTAGE**☐ **120** - 120V ☐ **277** - 277V**FINISH**☐ **01** - White ☐ **02** - Black**DIMMING**☐ **LTE** - Leading and Trailing edge dimming (120V only)⁽¹⁾ Only available with 3000K, 90CRI LED (**930**)**ACCESSORIES (TO BE ORDERED SEPARATELY)**
for installation consult the instruction sheet**INTERCHANGEABLE REFLECTORS**☐ **I.MXW5-12** - Spot ☐ **I.MXW6-12** - Medium ☐ **I.MXW7-12** - Flood ☐ **I.MXW8-12** - Wide Flood**LENS** (Maximum 1 per fixture)☐ **I.MXD8-24** - Soft focus lens ☐ **I.MXB7-24** - Medium elliptical lens ☐ **I.MXC0-24** - Large elliptical lens ☐ **I.MY34-24** - Opti beam elliptical lens⁽¹⁾**OPTICAL ACCESSORIES**☐ **I.MXF0-02** - Louvre (black)⁽²⁾ ☐ **I.MXF3-01** - Antiglare screen (white)⁽³⁾ ☐ **I.MXF6-02** - Directional flaps (black)
☐ **I.MY90-02** - Opti beam louvre (black) ☐ **I.MXF3-02** - Antiglare screen (black)⁽³⁾⁽¹⁾ Only available for **Super Spot (SS)**.⁽²⁾ Must be used with **I.MXD8** lens.⁽³⁾ Only available for **Super Spot (SS)** and **Spot (SP)** optics and **I.MXD8** must be used with **Spot (SP)** optic assembly.

JP - R7 Last update: February 28, 2020

Due to continuous improvements, the information herein may be changed without notice

iguzzini
NORTH AMERICA

9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7, P.: 514.523.1339 F.: 514.525.6107 www.iguzzini-na.com

ARUPProject Number: 271565
Phone: 1 212 896 3000

Manufacturer: LITHONIA LIGHTING : ZL1N
Description: Suspended Striplight

Fixture Wattage: 48 W
Lumen Output: 5642 lumen
Lamp CRI: 90+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Galvanized
Lamp CCT: 3000K
Assembly Code: ZL1N-L96-SMR-6000LM-SBL FST-120-30K-90CRI



FEATURES & SPECIFICATIONS

INTENDED USE — Built on the compact, low-profile Z strip channel, this LED strip offers long maintenance-free life, several color temperatures, lumen outputs and lengths. Ideal for new construction and retrofit applications in T5 and T8 lengths. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, cove and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)**

CONSTRUCTION — Compact-design channel and cover are formed from code-gauge cold-rolled steel. Easy to install row aligner included for continuous row mounting.

Finish: Paint options include high-gloss, baked white enamel (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). After fabrication, five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Standard diffuse snap on/snap off lens eliminates pixels, improves uniformity and minimizes glare. L/LENS option available.

ELECTRICAL — L70>60,000hours. Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR... ordering information on page 3.) Electronic LED driver is rated for 75 input watts maximum (see Operational Data on page two for actual wattage consumption), **multi-volt input and 0-10V dimming standard**. This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

LEDs provide nominal 80 CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,000 lumens per foot. In 86°F (30°C) ambient environments. Luminaire should be installed in applications where ambient temperatures do not exceed 86°F (30°C).

INSTALLATION — Tool-less channel cover for easy installation.

Fixture may be surface mounted (with or without ZSPRG hanger), pendant or stem mounted with appropriate mounting options. Three-point aligner locks in place for easy continuous row mounting.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -40°F (-40°C) and 86°F (30°C).

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

| |
|----------------|
| Catalog Number |
| Notes |
| Type |



LED Striplight

ZL1N

24", 48" and 96" Lengths



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

Type:

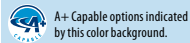
AL02w

Page 1 of 6

Lighting Notes:

1. Mounting detail to be coordinated with Architect

ZL1N LED Striplight



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: ZL1N L48 3000LM FST MVOLT 40K 80CRI WH

| Series | Length | Reflectors ² | Nominal lumens ³ | Diffuser | Voltage |
|----------------------|----------------------|--|---|---|---|
| ZL1N LED striplight | L24 24" ¹ | (blank) Less reflector | 1500LM 1,500 lumens | FST Snap on frosted, diffuse | MVOLT 120-277V |
| | | SMR Symmetric | 2500LM 2,500 lumens | L/LENS No diffuser | 120 120V |
| | | | 3500LM 3,500 lumens | SBL FST Straight blade louver with snap on frosted, diffuse | 208 208V |
| | L46 46" L48 48" | (blank) Less reflector ASR Asymmetric (L48 only) SMR Symmetric | 3000LM 3,000 lumens 5000LM 5,000 lumens 7000LM 7,000 lumens | | 240 240V 277 277V 347 347V ⁴ |
| TZL1N LED striplight | L92 92" | (blank) Less reflector | 6000LM 6,000 lumens | | 480 480V ⁴ |
| | L96 96" | SMR Symmetric | 10000LM 10,000 lumens 14000LM 14,000 lumens | | |

| Color temperature | Color rendering index | Options | Paint finish |
|--|------------------------------|---|--|
| 30K 3000 K 35K 3500 K 40K 4000 K 50K 5000 K | 80CRI 80 CRI 90CRI 90 CRI | PLR___ Plug-in wiring ^{5,6} PLR1LVG Plug-in wiring-low voltage ^{5,6} E7W Emergency battery pack, 7W CA Title 20 Noncompliant ⁷ 2E7W Two Emergency battery packs, 7W CA Title 20 Noncompliant ^{7,8} E10WLCP Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ 2E10WLCP Two Emergency battery packs, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ E15WLCP Emergency battery pack, 15W Linear Constant Power, Certified in CA Title 20 MAEDBS ⁹ OUTEND Cord set to exit endplate of fixture Wireless Controls⁵ NLTAIR2 RLSXR10 nLight Air Generation 2 Fixture mount, LSXR sensor low mount 360° NLTAIR2 RLSXR10EM nLight Air Generation 2 Fixture mount, LSXR sensor low mount 360°, UL924 Emergency operation ⁹ | WH White GALV Galvanized MB Matte black SKGY Smoke gray |
| | | Individual Controls⁵ LBOZU 360° low mount motion sensor, pre-wired ¹⁰ LBHOSZU 360° low mount motion sensor with dimming, pre-wired ¹⁰ LBPZU 360° low mount motion sensor with photocell, pre-wired ¹⁰ LBMOSZU 360° low mount motion sensor, dimming & switching photocell, pre-wired ¹⁰ Cord sets:¹¹ CS1W Straight plug, 120V CS3W Twist-lock, 120V CS7W Straight plug, 277V CS11W Twist-lock, 277V CS25W Twist-lock, 347V CS97W Twist-lock, 480V CS93W 600V SEOW white cord, no plug (no voltage required) | |

| Accessories: Order as separate catalog number. | | | |
|--|--|------------------------|---|
| HC36 | Hanger chain, 36" | ZLR L24 SYM WH | 24" symmetric reflector, white finish |
| ZACVH | Aircraft cable 10' (one pair) | ZLR L46 SYM UPL WH | 46" symmetric reflector with uplight, white finish |
| ZLANGBKT | Luma-tilt™ angle bracket for shelf or ledge mounting only | ZLR L46 SYM WH | 46" symmetric reflector, white finish |
| SQ_ | Stem kit, 2" increments up to 48" | ZLR L48 ASY WH | 48" asymmetric reflector, white finish |
| NPP16D | nLight® switching/dimming module | ZLR L48 SYM UPL WH | 48" symmetric reflector with uplight, white finish |
| rPP20D | nLight® Air switching/dimming module | ZLR L48 SYM WH | 48" symmetric reflector, white finish |
| LSXR | Sensor Switch™ LSXR occupancy sensor ⁴ | ZLR L92 SYM UPL WH | 92" symmetric reflector with uplight, white finish |
| ZSPRG | For 15/16" T-grid only | ZLR L92 SYM WH | 92" symmetric reflector, white finish |
| WGZ24 | 24" wireguard, white ¹² | ZLR L96 SYM UPL WH | 96" symmetric reflector with uplight, white finish |
| WGZ48 | 48" wireguard, white ^{12,13} | ZLR L96 SYM WH | 96" symmetric reflector, white finish |
| ZLR L24 SYM UPL WH | 24" symmetric reflector with uplight, white finish | UNIVERSAL REFL ALIGNER | Universal reflector aligners, quantity 1 |

Notes

- Not available with 347V, 480V or Batteries
- Optional. Reflectors ship separately.
- See Operational Data on page 2 for actual lumens.
- Utilizes step down transformer.
- See ordering information on pages 4 and 5 and [rLSXR specification sheet](#) for more configurations. When choosing Sensor and PLR for same fixture, consult the factory.
- Not available with cord sets.
- MVOLT only. Not available with cord sets with plugs. Battery Spec sheet linked for more information.
- Only available with 10,000LM and 14,000LM packages.
- MVOLT only.
- Available with MVOLT, 347V and 480V only. This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 6 for low temperature option providing -4°F (-20°C) minimum ambient. Sensors come prewired, they must be snapped into place at time of installation.
- Cordsets exit back of fixture unless OUTEND option is specified. Must specify voltage (not required when ordering CS93W).
- Not compatible with reflector
- Order 2 for tandem double length fixtures (TZL1N).

Type:

AL02w

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ARUP

Project Number: 271565
Phone: 1 212 896 3000

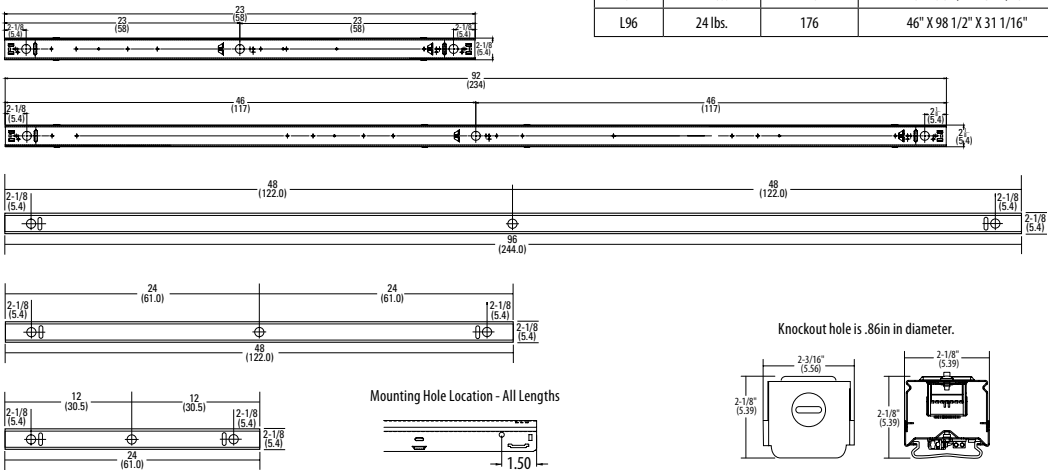
ZL1N LED Striplight

| OPERATIONAL DATA | | | | | | | | | | | | |
|------------------|-----------------------|-----------------|---|--------|---|--------|---|--------|---|--------|---------------------|--|
| | Nominal lumen package | Length (inches) | Delivered Lumens 3000 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 3500 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 4000 K CCT @ 77°F (25°C) ambient temperature | | Delivered Lumens 5000 K CCT @ 77°F (25°C) ambient temperature | | Wattage @ 120V/277V | Comparable Light Source |
| | | | 80 CRI | 90 CRI | 80 CRI | 90 CRI | 80 CRI | 90 CRI | 80 CRI | 90 CRI | | |
| Lensed | 1500LM | 24 | 1738 | 1409 | 1777 | 1467 | 1804 | 1494 | 1871 | 1528 | 15 | 1-lamp 17W T8 |
| | 2500LM | 24 | 2265 | 1846 | 2315 | 1900 | 2351 | 1947 | 2438 | 1991 | 19 | 1-lamp 17W T8 |
| | 3500LM | 24 | 3586 | 2924 | 3666 | 3026 | 3723 | 3084 | 3860 | 3152 | 31 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 3000LM | 46 or 48 | 3172 | 2586 | 3243 | 2677 | 3293 | 2728 | 3415 | 2788 | 25 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 5000LM | 46 or 48 | 4417 | 3601 | 4515 | 3727 | 4585 | 3798 | 4754 | 3882 | 34 | 2-lamp 32W T8, 1-lamp 54W TSHO, 70W HID |
| | 7000LM | 46 or 48 | 6535 | 5328 | 6681 | 5515 | 6785 | 5619 | 7035 | 5744 | 52 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 6000LM | 92 or 96 | 6561 | 5349 | 6708 | 5537 | 6812 | 5642 | 7063 | 5767 | 48 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 10000LM | 92 or 96 | 8687 | 7082 | 8881 | 7331 | 9019 | 7470 | 9351 | 7636 | 68 | 4-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 14000LM | 92 or 96 | 12457 | 10513 | 12735 | 10665 | 12933 | 10711 | 13409 | 10949 | 104 | 4-lamp 32W T8, 3-lamp 54W TSHO, 150W HID |
| Unlensed | 1500LM | 24 | 1881 | 1534 | 1923 | 1588 | 1953 | 1618 | 2025 | 1654 | 15 | 1-lamp 17W T8 |
| | 2500LM | 24 | 2452 | 1999 | 2506 | 2069 | 2545 | 2108 | 2639 | 2155 | 19 | 1-lamp 17W T8 |
| | 3500LM | 24 | 3882 | 3165 | 3969 | 3276 | 4031 | 3338 | 4179 | 3412 | 31 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 3000LM | 46 or 48 | 3434 | 2800 | 3511 | 2898 | 3565 | 2953 | 3697 | 3019 | 25 | 1-lamp 32W T8, 1-lamp 54W TSHO, 50W HID |
| | 5000LM | 46 or 48 | 4781 | 3898 | 4888 | 4035 | 4964 | 4111 | 5147 | 4203 | 34 | 2-lamp 32W T8, 1-lamp 54W TSHO, 70W HID |
| | 7000LM | 46 or 48 | 7075 | 5768 | 7233 | 5971 | 7345 | 6083 | 7616 | 6219 | 52 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 6000LM | 92 or 96 | 7103 | 5791 | 7261 | 5995 | 7374 | 6108 | 7646 | 6243 | 48 | 3-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 10000LM | 92 or 96 | 9404 | 7667 | 9614 | 7937 | 9764 | 8087 | 10123 | 8266 | 68 | 4-lamp 32W T8, 2-lamp 54W TSHO, 100W HID |
| | 14000LM | 92 or 96 | 13485 | 10994 | 13786 | 11381 | 14001 | 11596 | 14516 | 11853 | 104 | 4-lamp 32W T8, 3-lamp 54W TSHO, 150W HID |

DIMENSIONS

All dimensions are shown in inches (centimeters) unless otherwise noted.
Specifications subject to change without notice.

| PALLET DIMENSIONS | | | |
|-------------------|--------------------|---------------------|---|
| Length | Approximate weight | Fixtures per pallet | Approximate pallet dimensions (L x W x H) |
| L24 | 7 lbs. | 408 | 46" X 51" X 32 11/16" |
| L46 | 11 lbs. | 176 | 46" X 51" X 32 1/16" |
| L48 | 12 lbs. | 176 | 46" X 51" X 31 3/8" |
| L92 | 22 lbs. | 176 | 46" X 98 1/2" X 31 1/16" |
| L96 | 24 lbs. | 176 | 46" X 98 1/2" X 31 1/16" |



PHOTOMETRICS

Please see www.lithonia.com

INDUSTRIAL

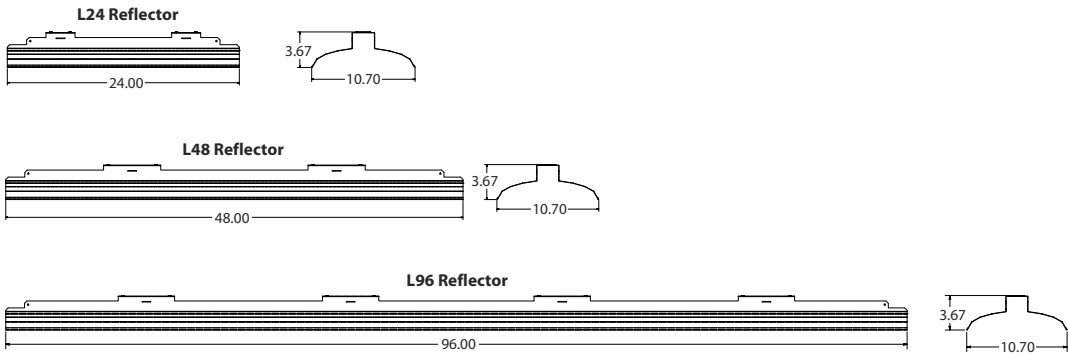
ZL1N
Page 3 of 6

Type:
AL02w
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ARUP
Project Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight

REFLECTORS (Optional)



PHOTOMETRICS

Please see www.lithonia.com

PRODUCT INFORMATION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Note: Specifications subject to change without notice.



Wiring
PLR

Advanced 1 or 2-Circuit Plug-In

| ORDERING INFORMATION | | Lead times will vary depending on options selected. Consult with your sales representative. | | | | | |
|----------------------|---------------------|---|--|---|------------------------|--------------------|--|
| Series | Number of hot wires | | Branch circuits | | Dimming | Ground | |
| PLR | (blank) | Not required for 22 | Circuits to which ballast is connected | | LV Low-voltage dimming | G Ground, required | |
| PLR22 | 1 | Black | (blank) | Not required for 22 or PLR1 | | | |
| | 2 | Black and red | A Black wire | ELA Emergency circuit wired to black wire | | | |
| | | | B Red wire | ELB Emergency circuit wired to red wire | | | |

Typical Applications

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits, 2-circuit (PLR 22)
- Multiple circuit with night-lights located along row as desired

Type:
AL02w
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ARUP
Project Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight**LSXR — Fixture Mount Occupancy Sensor** (see www.AcuityControls.com for additional information)

- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of TS and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Sensor ambient temperature rating of 14°F (-10°C) to 131°F (55°C).

| LSXR configuration | Comparable CMRB sensor | Old style sensor nomenclature |
|--|------------------------|-------------------------------|
| For shortest lead times use one of the following LSXR configurations | | |
| LCOZU | CMRB 50 | MSI |
| LCH0SZU | CMRB 50 D | MSID |
| LCPZU | CMRB 50 P | MSIPED |
| LAOZU | CMRB 6 | MSI360 |
| LAH0SZU | CMRB 6 D | MSI360D |
| LAPZU | CMRB 6 P | MSI360PED |

SELECTIONS BELOW WILL EXTEND ORDER LEAD TIME. CONSULT YOUR SALES REPRESENTATIVE FOR DETAILS.

SINGLE RELAY**ORDERING INFORMATION****Example:** LAH0SZU

| Series | Lens option | Dimming/Photocell | Max. dim level | Min. dim level | Temp/Humidity | Default occupancy time delay |
|---|-----------------------|---|----------------|--------------------------------|--------------------------------|---|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360° | O None ¹ | 0 10 VDC | 5 Minimum dim level of ballast | Z None | I 30 sec |
| | B Low mount, 360° | H High/low occupancy operation | 9 9 VDC | 1 1 VDC | T Low temperature ² | D 2.5 min |
| | C High mount aisleway | P Switching photocell (on/off) ¹ | 8 8 VDC | 2 2 VDC | | X 5.0 min |
| | | M Dimming and switching photocell | 7 7 VDC | 3 3 VDC | | R 7.5 min |
| | | G Dimming and switching photocell with high/low occupancy operation | | 4 4 VDC | | U 10.0 min (with minimum 15 minute on time) |
| | | | | 5 5 VDC | | V 15.0 min |
| | | | | 6 6 VDC | | W 20.0 min |
| | | | | | | Y 30.0 min |

Notes

- 1 Max and min dim levels not applicable with this option.
- 2 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

DUAL RELAY (Available with 120, 277, and 347V only)**ORDERING INFORMATION****Example:** LA2KZU

| Series | Lens option | Poles | Operating mode | Temp/Humidity | Default occupancy time delay |
|---|-----------------------|--------------|--|--------------------------------|---|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360° | 2 Dual relay | J None | Z None | I 30 sec |
| | B Low mount, 360° | | K Alternating off relays (promotes even lamp wear) | T Low temperature ¹ | D 2.5 min |
| | C High mount aisleway | | O Alternating off relays w/photocell | | X 5.0 min |
| | | | P Switching photocell (on/off) | | R 7.5 min |
| | | | E Photocell on/off (pole 1 only) | | U 10.0 min (with minimum 15 minute on time) |
| | | | F Photocell on/off — both poles (dual set-point) | | V 15.0 min |
| | | | | | W 20.0 min |
| | | | | | Y 30.0 min |

Notes

- 1 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

Example: LENS 50 J100

| Replacement lenses: Order as separate catalog number. | | |
|---|------------------------|---------------------|
| Series | Lens type | Package quantity |
| LENS | 6 High mount 360° | (blank) Single Lens |
| | 10 Low mount 360° | J10 10-pack |
| | 50 High mount aisleway | J100 100-pack |

Type:

AL02w

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ARUPProject Number: 271565
Phone: 1 212 896 3000

ZL1N LED Striplight

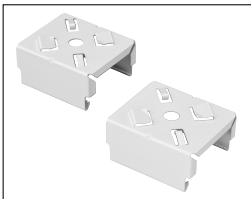
OPTIONS AND ACCESSORIES

The Z Series fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.



HANGER CHAIN
36" chain with Y hanger.

Order as:
HC36



Z SPRING HANGER
Snap 'n' lock design requires no fasteners and can be used on T-grid ceiling or universal mounting systems.

Order as:
ZSPRG



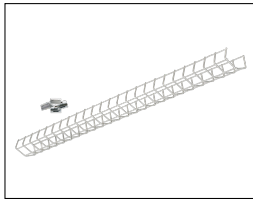
ZACVH HANGER
10' Aircraft cable with Y hanger.

Order as:
ZACVH



ANGLE MOUNTING BRACKET
Luma-tilt™ angle bracket ships as a pair

Order as:
ZLANGBKT



WIRE GUARD

Order as:
WGZ24
WGZ48

Type:
AL02w
Page 6 of 6

Manufacturer: LEDLinear : Xooline
Description: Linear Cove Light

Fixture Wattage: 7.6 W/ft
Lumen Output: 886 lumen/ft
Lamp CRI: 80+

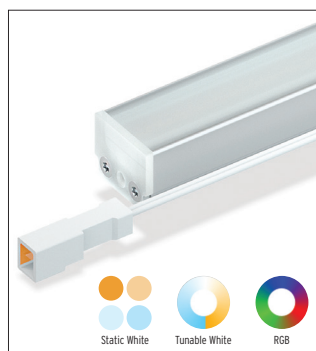
Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Standard
Lamp CCT: 3000K
Assembly Code: HYD-HD25-W8-30-XX-300-AMC-IP40

XOOLINE Static White/Tunable White/RGB

LED LINEAR™
lighting solutions

Member of the
Fagerhult Group



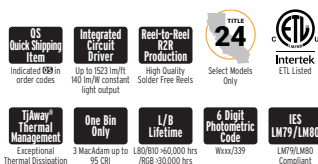
Static White
Tunable White
RGB

24 V compact linear indoor LED luminaire offering modularity and ease of installation. Extruded and anodized aluminum housing profile with male/female connectors fed on the luminaire's sides and diffuse screwed end caps for a perfect fixture to fixture light overlap. Allows the use of 11 high quality optics. Clear, semi-opal or opal lenses for soft light settings and linear flat lenses from 10° for wall grazing or 30° and 60° for wide flood illumination with precise light control. Light source assembled using Reel to Reel (R2R) production process supporting LED Linear™ TJ Away® thin flexible circuit board technology. Outstanding lifetime of >60,000 hrs L80/B10 and >30,000 hrs for RGB. Embeds high quality Japanese LEDs with 3 step MacAdams (SDCM3) binning centered on target CCT (One Bin Only) with an extended photometric code of Wxxx/339 ensuring an exceptional color consistency over the rated lifetime. Premium color rendition with a CRI of 95 and TM-30-15 up to $R_a = 91 / R_g = 100$. Consistent light intensity all along the luminaire length. Fully dimmable. Engineered and produced in Germany.

Project name _____

Fixture type _____ Phase _____

Specifier _____ Date _____



Type:

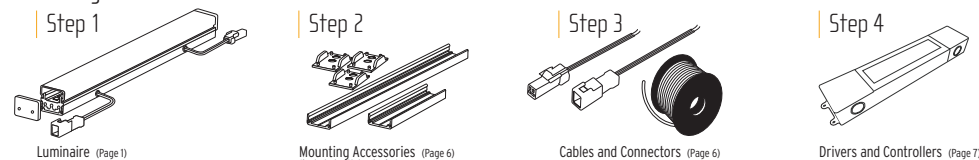
AL04

Page 1 of 7

Lighting Notes:

1. Refer to architectural drawings for fixture length.

Ordering Process



Luminaire Order Code

| Family | Model | Lumen package* | Color rendering | Color temperature | Custom length*** | Optic/Diffusion | Mounting | Ingress |
|---------|--|-----------------|-----------------|-------------------|------------------------------------|---------------------------------------|------------------------|---------------|
| XOOLINE | HYD - Static White | LD05-136 lm/ft | W8-85CRI | 20-2000K | L _{max} : 380 mm (1'3") | 100 10° Linear Flat Lens | MP Mounting Profile 0° | IP00 |
| | | LD10-340 lm/ft | W9-95CRI** | 22-2200K | L _{max} : 4005 mm (16'7") | 300 30° Linear Flat Lens | CLO Mounting Clip 0° | Without Optic |
| | | LD15-545 lm/ft | | 25-2500K | Increment LD: | 600 60° Linear Flat Lens | CL15 Mounting Clip 15° | |
| | | LD25-886 lm/ft | | 27-2700K | 125 mm (4-15/16") | OR Round Opal Lens ¹ | CL30 Mounting Clip 30° | |
| | | LD40-1159 lm/ft | | 30-3000K | Increment HD: | DR Round Semi-Opal Lens | CL45 Mounting Clip 45° | IP40 |
| | | | | 35-3500K | 62.5 mm (2-7/16") | CR Round Clear Lens | PCL Plastic Clip 0° | With Optic |
| | | HD06-164 lm/ft | | 40-4000K | | OL Low Square Opal Lens | AMC Adjustable Clip | |
| | | HD10-276 lm/ft | | 50-5000K | | OL Low Square Semi-Opal Lens | | |
| | | HD15-545 lm/ft | | | | CL Low Square Clear Lens | | |
| | | HD25-886 lm/ft | | | | OH High Square Opal Lens ¹ | | |
| | | HD36-1297 lm/ft | | | | DH High Square Semi-Opal Lens | | |
| | | | | | | NC Without Lens | | |
| | IQW ATON - Tunable White (2200K - 4000K) | HD12-299 lm/ft | - | - | | | | |
| | | HD24-616 lm/ft | - | - | | | | |
| | | HD42-1095 lm/ft | - | - | | | | |
| | RGB - 622nm (R) 532nm (G) 466nm (B) | LD15-195 lm/ft | - | - | | | | |
| | | HD20-250 lm/ft | - | - | | | | |
| | | | - | - | | | | |

* Lumen Values represent 3000K (W930) and with clear lens. ** Only available for LD05, HD06 and HD10. *** Custom Length should be specified in millimeters (mm). See page 4 and 5 for all available lengths.

¹ Dot-free

| | Color temperature | CCT | Low LED Density - Visible Pixellation | | | | | High LED Density - Less or No Pixellation | | | | |
|--------------|-------------------|---------|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | | | LD5 (0.5 W/ft ⁴) | LD10 (1.0 W/ft ⁴) | LD15 (1.5 W/ft ⁴) | LD25 (2.5 W/ft ⁴) | LD40 (4.0 W/ft ⁴) | HD6 (0.6 W/ft ⁴) | HD10 (1.0 W/ft ⁴) | HD15 (1.5 W/ft ⁴) | HD25 (2.5 W/ft ⁴) | HD36 (3.6 W/ft ⁴) |
| Static White | W820 | 2,000 K | 115 | 231 | 371 | 603 | - | 139 | 231 | 371 | 603 | 883 |
| | W822 | 2,200 K | 133 | 264 | 423 | 691 | - | 157 | 264 | 423 | 691 | 1,008 |
| | W825 | 2,500 K | 151 | 304 | 484 | 788 | 1,026 | 182 | 304 | 484 | 788 | 1,151 |
| | W827/W927 | 2,700 K | 136 | 322 | 514 | 837 | 1,084 | 161 | 270 | 514 | 837 | 1,221 |
| | W830/W930 | 3,000 K | 136 | 340 | 545 | 886 | 1,151 | 164 | 276 | 545 | 886 | 1,297 |
| | W835/W935 | 3,500 K | 142 | 359 | 572 | 932 | 1,224 | 170 | 282 | 572 | 932 | 1,361 |
| | W840/W940 | 4,000 K | 145 | 365 | 584 | 953 | 1,255 | 173 | 292 | 584 | 953 | 1,392 |
| | W850 | 5,000 K | 200 | 398 | 639 | 1,041 | 1,258 | 240 | 398 | 639 | 1,041 | 1,523 |

⁴ The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

⁵ Measured with clear lens. Light output is reduced by 40% with opal and 25% with semi-opal lens options. The IP protection level is reduced from IP40 to IP00 without lens option (NC).

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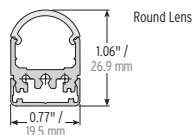
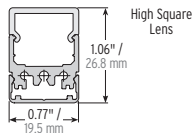
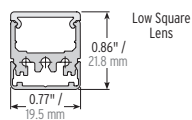
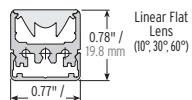
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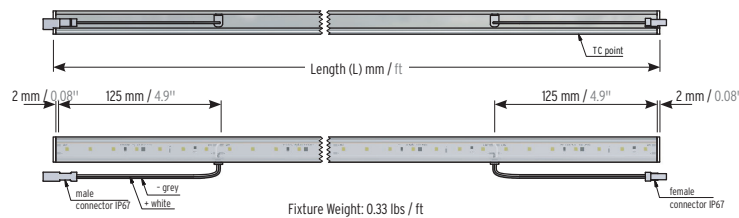
AL04

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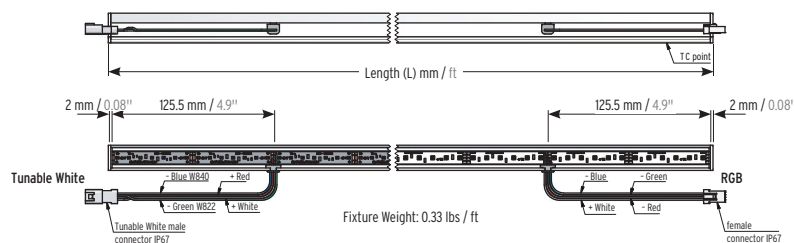
Mechanical Details



Static White - Fixture build to length and is not field cuttable.



Tunable White / RGB - Fixture build to length and is not field cuttable.



Technical Details

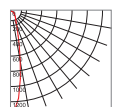
| | Static White | Tunable White | RGB |
|-------------------------------|--|--|--|
| Voltage | 24 Volt (23 V _{min} , 25 V _{max}) | 24 Volt (23 V _{min} , 25 V _{max}) | 24 Volt (23 V _{min} , 25 V _{max}) |
| Case temperature ^a | T _{cmin} = -13°F, T _{cmax} = specific, see Table below | T _{cmin} = -13°F, T _{cmax} = specific, see Table below | T _{cmin} = -13°F, T _{cmax} = specific, see Table below |
| Storage temperature | T _{Smin} = -22°F, T _{Smax} = 185°F | T _{Smin} = -22°F, T _{Smax} = 185°F | T _{Smin} = -22°F, T _{Smax} = 185°F |
| Ambient temperature | T _{amin} = -13°F, T _{amax} = specific, see Table below | T _{amin} = -13°F, T _{amax} = specific, see Table below | T _{amin} = -13°F, T _{amax} = specific, see Table below |

^a The position of the Tc-point is marked on each step of the LED strip. The Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.

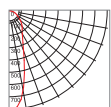
| | Static White | | | | | | | | | | Tunable White | | | RGB | |
|--|--------------|----------|----------|---------|---------|---------------------|----------|----------|---------|---------|---------------|----------|---------|----------|----------|
| | LD5 | LD10 | LD15 | LD25 | LD40 | HD6 | HD10 | HD15 | HD25 | HD36 | HD12 | HD24 | HD42 | LD15 | HD20 |
| Power (W/ft) ^a | 1.5 | 3.1 | 4.6 | 7.6 | 12.2 | 1.8 | 3.1 | 4.6 | 7.6 | 11 | 3.7 | 7.3 | 12.8 | 4.6 | 6.7 |
| Efficacy (lm / W) ^a @ W850 | 132 | 131 | 140 | 137 | 103 | 132 | 131 | 140 | 137 | 139 | 82 | 84 | 85 | 43 | 44 |
| Max serial run length (ft / m) | 24.6 / 7.5 | 16.4 / 5 | 13.1 / 4 | 9.8 / 3 | 6.6 / 2 | 16.4 / 5 | 16.4 / 5 | 13.1 / 4 | 9.8 / 3 | 6.6 / 2 | 16.4 / 5 | 13.1 / 4 | 6.6 / 2 | 13.1 / 4 | 13.1 / 4 |
| CRI / R9 @ 3000 K | | | | | | up to 95 / up to 65 | | | | | 85 / 20 | 85 / 20 | 85 / 20 | - | - |
| Temperature Tc-point (T _{cmax}) ^a | 158°F | 158°F | 158°F | 167°F | 185°F | 158°F | 158°F | 158°F | 167°F | 185°F | 158°F | 158°F | 176°F | 158°F | 158°F |
| Max ambient temperature (T _{amax}) | 122°F | 122°F | 104°F | 104°F | 95°F | 122°F | 122°F | 122°F | 113°F | 95°F | 122°F | 104°F | 95°F | 113°F | 113°F |

^a The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

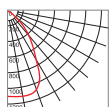
Light Distribution



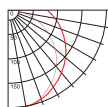
10° Linear Flat Lens



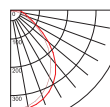
30° Linear Flat Lens



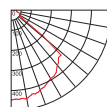
60° Linear Flat Lens



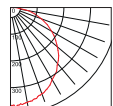
Round Opal Lens



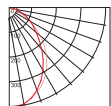
Round Semi-Opal Lens



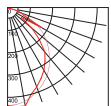
Round Clear Lens



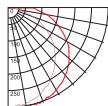
Low Square Opal Lens



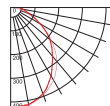
Low Square Semi-Opal Lens



Low Square Clear Lens



High Square Opal Lens



High Square Semi-Opal Lens

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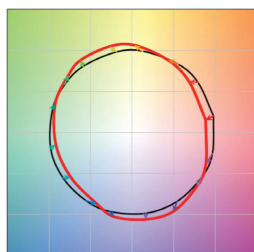
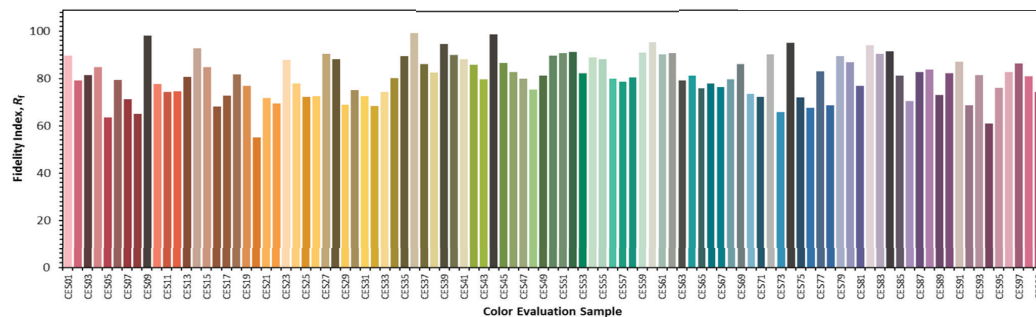
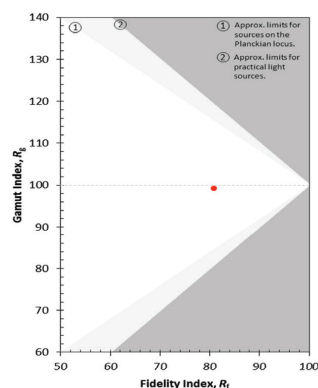
Type:

AL04

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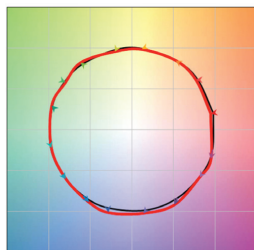
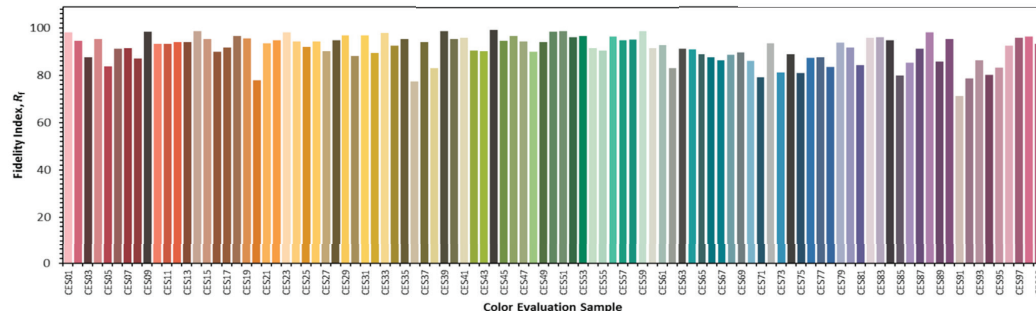
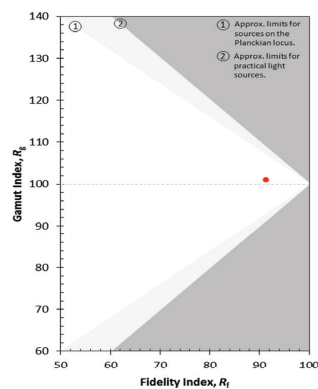
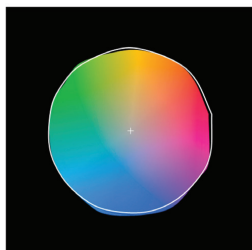
Colorimetric Details

| Photometric Code | CCT | CRI | R9 | R _f | R _g |
|------------------|--------|-----|----|----------------|----------------|
| W830/339 | 3000 K | 85 | 23 | 82 | 99 |

Color
Vector
GraphicReference
Illuminant
Test SourceColor
Distortion
Graphic

Colorimetric Details

| Photometric Code | CCT | CRI | R9 | R _f | R _g |
|------------------|--------|-----|----|----------------|----------------|
| W930/339 | 3000 K | 96 | 70 | 91 | 101 |

Color
Vector
GraphicReference
Illuminant
Test SourceColor
Distortion
Graphic

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LENGTH CHART - Xooline LD

| Standard Length | | Static White | | | | | | | | | | RGB | |
|-----------------|------|---------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------|
| | | LD5 1.5 Watts/Ft | | LD10 3.0 Watts/Ft | | LD15 4.6 Watts/Ft | | LD25 7.6 Watts/Ft | | LD40 12.2 Watts/Ft | | LD15 4.6 Watts/Ft | |
| inches | mm | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture |
| 15.0 | 380 | 2 | 170 | 4 | 424 | 6 | 679 | 9 | 1104 | 15 | 1435 | 6 | 243 |
| 19.9 | 505 | 2 | 225 | 5 | 563 | 8 | 903 | 13 | 1468 | 20 | 1907 | 8 | 323 |
| 24.8 | 630 | 3 | 281 | 6 | 703 | 10 | 1126 | 16 | 1831 | 25 | 2378 | 10 | 403 |
| 29.7 | 755 | 4 | 337 | 7 | 842 | 11 | 1350 | 19 | 2194 | 30 | 2850 | 11 | 483 |
| 34.7 | 880 | 4 | 393 | 9 | 981 | 13 | 1573 | 22 | 2557 | 35 | 3322 | 13 | 563 |
| 39.6 | 1005 | 5 | 448 | 10 | 1121 | 15 | 1797 | 25 | 2921 | 40 | 3794 | 15 | 643 |
| 44.5 | 1130 | 6 | 504 | 11 | 1260 | 17 | 2020 | 28 | 3284 | 45 | 4266 | 17 | 723 |
| 49.4 | 1255 | 6 | 560 | 12 | 1400 | 19 | 2243 | 31 | 3647 | 50 | 4738 | 19 | 803 |
| 54.3 | 1380 | 7 | 616 | 14 | 1539 | 21 | 2467 | 34 | 4010 | 55 | 5210 | 21 | 883 |
| 59.3 | 1505 | 7 | 671 | 15 | 1678 | 23 | 2690 | 38 | 4374 | 60 | 5682 | 23 | 963 |
| 64.2 | 1630 | 8 | 727 | 16 | 1818 | 25 | 2914 | 41 | 4737 | 65 | 6154 | 25 | 1043 |
| 69.1 | 1755 | 9 | 783 | 17 | 1957 | 26 | 3137 | 44 | 5100 | 70 | 6626 | 26 | 1122 |
| 74.0 | 1880 | 9 | 839 | 18 | 2097 | 28 | 3361 | 47 | 5463 | 75 | 7098 | 28 | 1202 |
| 78.9 | 2005 | 10 | 894 | 20 | 2236 | 30 | 3584 | 50 | 5827 | 80 | 7569 | 30 | 1282 |
| 83.9 | 2130 | 10 | 950 | 21 | 2375 | 32 | 3808 | 53 | 6190 | - | - | 32 | 1362 |
| 88.8 | 2255 | 11 | 1006 | 22 | 2515 | 34 | 4031 | 56 | 6553 | - | - | 34 | 1442 |
| 93.7 | 2380 | 12 | 1062 | 23 | 2654 | 36 | 4254 | 59 | 6916 | - | - | 36 | 1522 |

| Oversize Length | | Static White | | | | | | | | | | RGB | |
|-----------------|------|---------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------|
| | | LD5 1.5 Watts/Ft | | LD10 3.0 Watts/Ft | | LD15 4.6 Watts/Ft | | LD25 7.6 Watts/Ft | | LD40 12.2 Watts/Ft | | LD15 4.6 Watts/Ft | |
| inches | mm | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture |
| 98.6 | 2505 | 12 | 1117 | 25 | 2794 | 38 | 4478 | 62 | 7280 | - | - | 38 | 1602 |
| 103.5 | 2630 | 13 | 1173 | 26 | 2933 | 40 | 4701 | 66 | 7643 | - | - | 40 | 1682 |
| 108.5 | 2755 | 14 | 1229 | 27 | 3072 | 42 | 4925 | 69 | 8006 | - | - | 42 | 1762 |
| 113.4 | 2880 | 14 | 1285 | 28 | 3212 | 43 | 5148 | 72 | 8370 | - | - | 43 | 1842 |
| 118.3 | 3005 | 15 | 1340 | 30 | 3351 | 45 | 5372 | 75 | 8733 | - | - | 45 | 1922 |
| 123.2 | 3130 | 15 | 1396 | 31 | 3491 | 47 | 5595 | - | - | - | - | 47 | 2002 |
| 128.2 | 3255 | 16 | 1452 | 32 | 3630 | 49 | 5819 | - | - | - | - | 49 | 2082 |
| 133.1 | 3380 | 17 | 1508 | 33 | 3769 | 51 | 6042 | - | - | - | - | 51 | 2162 |
| 138.0 | 3505 | 17 | 1564 | 34 | 3909 | 53 | 6266 | - | - | - | - | 53 | 2242 |
| 142.9 | 3630 | 18 | 1619 | 36 | 4048 | 55 | 6489 | - | - | - | - | 55 | 2322 |
| 147.8 | 3755 | 18 | 1675 | 37 | 4188 | 57 | 6712 | - | - | - | - | 57 | 2402 |
| 152.8 | 3880 | 19 | 1731 | 38 | 4327 | 59 | 6936 | - | - | - | - | 59 | 2482 |
| 157.7 | 4005 | 20 | 1787 | 39 | 4466 | 60 | 7159 | - | - | - | - | 60 | 2562 |

XOOLINE HD- Continued on next page

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LENGTH CHART - Xooline HD

| Standard Length | | Static White | | | | | | | | | | Tunable White | | | | RGB | | | |
|-----------------|------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|
| | | HD6 | | HD10 | | HD15 | | HD25 | | HD36 | | HD12 | | HD24 | | HD4 | | HD20 | |
| | | 1.8 Watts/Ft | Lumens/fixture @3000K | 3.0 Watts/Ft | Lumens/fixture @3000K | 4.6 Watts/Ft | Lumens/fixture @3000K | 7.6 Watts/Ft | Lumens/fixture @3000K | 11 Watts/Ft | Lumens/fixture @3000K | 3.7 Watts/Ft | Lumens/fixture @3000K | 7.3 Watts/Ft | Lumens/fixture @3000K | 12.8 Watts/Ft | Lumens/fixture @3000K | 6 Watts/Ft | Lumens/fixture @3000K |
| inches | mm | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K |
| 15.0 | 380 | 2 | 204 | 4 | 344 | 6 | 679 | 9 | 1104 | 14 | 1617 | 5 | 373 | 9 | 768 | 16 | 1365 | 7 | 312 |
| 17.4 | 443 | 3 | 238 | 4 | 401 | 7 | 791 | 11 | 1286 | 16 | 1882 | 5 | 434 | 11 | 894 | 19 | 1589 | 9 | 363 |
| 19.9 | 505 | 3 | 272 | 5 | 457 | 8 | 903 | 13 | 1468 | 18 | 2148 | 6 | 495 | 12 | 1020 | 21 | 1814 | 10 | 414 |
| 22.3 | 568 | 3 | 305 | 6 | 514 | 9 | 1014 | 14 | 1649 | 20 | 2414 | 7 | 557 | 14 | 1147 | 24 | 2038 | 11 | 465 |
| 24.8 | 630 | 4 | 339 | 6 | 570 | 10 | 1126 | 16 | 1831 | 23 | 2680 | 8 | 618 | 15 | 1273 | 26 | 2263 | 12 | 517 |
| 27.3 | 693 | 4 | 373 | 7 | 627 | 10 | 1238 | 17 | 2012 | 25 | 2946 | 8 | 679 | 17 | 1399 | 29 | 2487 | 14 | 568 |
| 29.7 | 755 | 4 | 406 | 7 | 683 | 11 | 1350 | 19 | 2194 | 27 | 3212 | 9 | 740 | 18 | 1525 | 32 | 2712 | 15 | 619 |
| 32.2 | 818 | 5 | 440 | 8 | 740 | 12 | 1461 | 20 | 2376 | 29 | 3478 | 10 | 802 | 20 | 1652 | 34 | 2936 | 16 | 670 |
| 34.7 | 880 | 5 | 473 | 9 | 797 | 13 | 1573 | 22 | 2557 | 32 | 3744 | 11 | 863 | 21 | 1778 | 37 | 3161 | 17 | 722 |
| 37.1 | 943 | 6 | 507 | 9 | 853 | 14 | 1685 | 23 | 2739 | 34 | 4010 | 11 | 924 | 23 | 1904 | 40 | 3385 | 19 | 773 |
| 39.6 | 1005 | 6 | 541 | 10 | 910 | 15 | 1797 | 25 | 2921 | 36 | 4275 | 12 | 986 | 24 | 2031 | 42 | 3610 | 20 | 824 |
| 42.0 | 1068 | 6 | 574 | 11 | 966 | 16 | 1908 | 27 | 3102 | 39 | 4541 | 13 | 1047 | 26 | 2157 | 45 | 3834 | 21 | 875 |
| 44.5 | 1130 | 7 | 608 | 11 | 1023 | 17 | 2020 | 28 | 3284 | 41 | 4807 | 14 | 1108 | 27 | 2283 | 47 | 4059 | 22 | 927 |
| 47.0 | 1193 | 7 | 641 | 12 | 1080 | 18 | 2132 | 30 | 3466 | 43 | 5073 | 14 | 1170 | 29 | 2409 | 50 | 4283 | 23 | 978 |
| 49.4 | 1255 | 7 | 675 | 12 | 1136 | 19 | 2243 | 31 | 3647 | 45 | 5339 | 15 | 1231 | 30 | 2536 | 53 | 4507 | 25 | 1029 |
| 51.9 | 1318 | 8 | 709 | 13 | 1193 | 20 | 2355 | 33 | 3829 | 48 | 5605 | 16 | 1292 | 32 | 2662 | 55 | 4732 | 26 | 1080 |
| 54.3 | 1380 | 8 | 742 | 14 | 1249 | 21 | 2467 | 34 | 4010 | 50 | 5871 | 17 | 1353 | 33 | 2788 | 58 | 4956 | 27 | 1132 |
| 56.8 | 1443 | 9 | 776 | 14 | 1306 | 22 | 2579 | 36 | 4192 | 52 | 6137 | 18 | 1415 | 35 | 2915 | 61 | 5181 | 28 | 1183 |
| 59.3 | 1505 | 9 | 810 | 15 | 1362 | 23 | 2690 | 38 | 4374 | 54 | 6403 | 18 | 1476 | 36 | 3041 | 63 | 5405 | 30 | 1234 |
| 61.7 | 1568 | 9 | 843 | 15 | 1419 | 24 | 2802 | 39 | 4555 | 57 | 6668 | 19 | 1537 | 38 | 3167 | 66 | 5630 | 31 | 1285 |
| 64.2 | 1630 | 10 | 877 | 16 | 1476 | 25 | 2914 | 41 | 4737 | 59 | 6934 | 20 | 1599 | 39 | 3293 | 68 | 5854 | 32 | 1337 |
| 66.6 | 1693 | 10 | 910 | 17 | 1532 | 26 | 3026 | 42 | 4919 | 61 | 7200 | 21 | 1660 | 41 | 3420 | 71 | 6079 | 33 | 1388 |
| 69.1 | 1755 | 10 | 944 | 17 | 1589 | 26 | 3137 | 44 | 5100 | 63 | 7466 | 21 | 1721 | 42 | 3546 | 74 | 6303 | 35 | 1439 |
| 71.6 | 1818 | 11 | 978 | 18 | 1645 | 27 | 3249 | 45 | 5282 | 66 | 7732 | 22 | 1782 | 44 | 3672 | 76 | 6528 | 36 | 1490 |
| 74.0 | 1880 | 11 | 1011 | 18 | 1702 | 28 | 3361 | 47 | 5463 | 68 | 7998 | 23 | 1844 | 45 | 3799 | 79 | 6752 | 37 | 1542 |
| 76.5 | 1943 | 11 | 1045 | 19 | 1759 | 29 | 3472 | 48 | 5645 | 70 | 8264 | 24 | 1905 | 47 | 3925 | 82 | 6977 | 38 | 1593 |
| 78.9 | 2005 | 12 | 1079 | 20 | 1815 | 30 | 3584 | 50 | 5827 | 72 | 8530 | 24 | 1966 | 48 | 4051 | 84 | 7201 | 39 | 1644 |
| 81.4 | 2068 | 12 | 1112 | 20 | 1872 | 31 | 3696 | 52 | 6008 | - | - | 25 | 2028 | 50 | 4177 | - | - | 41 | 1695 |
| 83.9 | 2130 | 13 | 1146 | 21 | 1928 | 32 | 3808 | 53 | 6190 | - | - | 26 | 2089 | 51 | 4304 | - | - | 42 | 1747 |
| 86.3 | 2193 | 13 | 1179 | 22 | 1985 | 33 | 3919 | 55 | 6372 | - | - | 27 | 2150 | 52 | 4430 | - | - | 43 | 1798 |
| 88.8 | 2255 | 13 | 1213 | 22 | 2041 | 34 | 4031 | 56 | 6553 | - | - | 27 | 2212 | 54 | 4556 | - | - | 44 | 1849 |
| 91.2 | 2318 | 14 | 1247 | 23 | 2098 | 35 | 4143 | 58 | 6735 | - | - | 28 | 2273 | 55 | 4682 | - | - | 46 | 1900 |
| 93.7 | 2380 | 14 | 1280 | 23 | 2155 | 36 | 4254 | 59 | 6916 | - | - | 29 | 2334 | 57 | 4809 | - | - | 47 | 1952 |
| Oversize Length | | HD6 | | HD10 | | HD15 | | HD25 | | HD36 | | HD12 | | HD24 | | HD4 | | HD20 | |
| inches | mm | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K | Watts/fixture | Lumens/fixture @3000K |
| 96.2 | 2443 | 14 | 1314 | 24 | 2211 | 37 | 4366 | 61 | 7098 | - | - | 30 | 2395 | 58 | 4935 | - | - | 48 | 2003 |
| 98.6 | 2505 | 15 | 1347 | 25 | 2268 | 38 | 4478 | 62 | 7280 | - | - | 30 | 2457 | 60 | 5061 | - | - | 49 | 2054 |
| 101.1 | 2568 | 15 | 1381 | 25 | 2324 | 39 | 4590 | 64 | 7461 | - | - | 31 | 2518 | 61 | 5188 | - | - | 51 | 2105 |
| 103.5 | 2630 | 16 | 1415 | 26 | 2381 | 40 | 4701 | 66 | 7643 | - | - | 32 | 2579 | 63 | 5314 | - | - | 52 | 2157 |
| 106.0 | 2693 | 16 | 1448 | 26 | 2437 | 41 | 4813 | 67 | 7825 | - | - | 33 | 2641 | 64 | 5440 | - | - | 53 | 2208 |
| 108.5 | 2755 | 16 | 1482 | 27 | 2494 | 42 | 4925 | 69 | 8006 | - | - | 33 | 2702 | 66 | 5566 | - | - | 54 | 2259 |
| 110.9 | 2818 | 17 | 1516 | 28 | 2551 | 43 | 5037 | 70 | 8188 | - | - | 34 | 2763 | 67 | 5693 | - | - | 55 | 2310 |
| 113.4 | 2880 | 17 | 1549 | 28 | 2607 | 43 | 5148 | 72 | 8370 | - | - | 35 | 2824 | 69 | 5819 | - | - | 57 | 2362 |
| 115.9 | 2943 | 17 | 1583 | 29 | 2664 | 44 | 5260 | 73 | 8551 | - | - | 36 | 2886 | 70 | 5945 | - | - | 58 | 2413 |
| 118.3 | 3005 | 18 | 1616 | 30 | 2720 | 45 | 5372 | 75 | 8733 | - | - | 36 | 2947 | 72 | 6072 | - | - | 59 | 2464 |
| 120.8 | 3068 | 18 | 1650 | 30 | 2777 | 46 | 5483 | - | - | - | - | 37 | 3008 | - | - | - | - | 60 | 2515 |
| 123.2 | 3130 | 18 | 1684 | 31 | 2834 | 47 | 5595 | - | - | - | - | 38 | 3070 | - | - | - | - | 62 | 2567 |
| 125.7 | 3193 | 19 | 1717 | 31 | 2890 | 48 | 5707 | - | - | - | - | 39 | 3131 | - | - | - | - | 63 | 2618 |
| 128.2 | 3255 | 19 | 1751 | 32 | 2947 | 49 | 5819 | - | - | - | - | 40 | 3192 | - | - | - | - | 64 | 2669 |
| 130.6 | 3318 | 20 | 1785 | 33 | 3003 | 50 | 5930 | - | - | - | - | 40 | 3254 | - | - | - | - | 65 | 2720 |
| 133.1 | 3380 | 20 | 1818 | 33 | 3060 | 51 | 6042 | - | - | - | - | 41 | 3315 | - | - | - | - | 67 | 2772 |
| 135.5 | 3443 | 20 | 1852 | 34 | 3116 | 52 | 6154 | - | - | - | - | 42 | 3376 | - | - | - | - | 68 | 2823 |
| 138.0 | 3505 | 21 | 1885 | 34 | 3173 | 53 | 6266 | - | - | - | - | 43 | 3437 | - | - | - | - | 69 | 2874 |
| 140.5 | 3568 | 21 | 1919 | 35 | 3230 | 54 | 6377 | - | - | - | - | 43 | 3499 | - | - | - | - | 70 | 2925 |
| 142.9 | 3630 | 21 | 1953 | 36 | 3286 | 55 | 6489 | - | - | - | - | 44 | 3560 | - | - | - | - | 71 | 2977 |
| 145.4 | 3693 | 22 | 1986 | 36 | 3343 | 56 | 6601 | - | - | - | - | 45 | 3621 | - | - | - | - | 73 | 3028 |
| 147.8 | 3755 | 22 | 2020 | 37 | 3399 | 57 | 6712 | - | - | - | - | 46 | 3683 | - | - | - | - | 74 | 3079 |
| 150.3 | 3818 | 23 | 2054 | 38 | 3456 | 58 | 6824 | - | - | - | - | 46 | 3744 | - | - | - | - | 75 | 3130 |
| 152.8 | 3880 | 23 | 2087 | 38 | 3512 | 59 | 6936 | - | - | - | - | 47 | 3805 | - | - | - | - | 76 | 3182 |
| 155.2 | 3943 | 23 | 2121 | 39 | 3569 | 59 | 7048 | - | - | - | - | 48 | 3866 | - | - | - | - | 78 | 3233 |
| 157.7 | 4005 | 24 | 2154 | 39 | 3626 | 60 | 7159 | - | - | - | - | 49 | 3928 | - | - | - | - | 79 | 3284 |

ARUP

Project Number: 271565

Phone: 1 212 896 3000

XOOLINE Static White/Tunable White/RGB


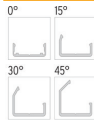


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Type:

AL04

Page 6 of 7

Mounting Accessories - (Included in the luminaire order)

| Item | Description | Dimensions (L x W x H) | Order Type |
|---|--|--|-----------------------------|
|  | Aluminum Mounting Profile Continuous aluminum surface mounting profile. 6.5 ft long. | 6-1/2" x 3/4" x 1/4" | MP |
|  | Aluminum Mounting Clip Aluminum surface mounting clip, recommended to use every 20 inches. Available in four different angles. 3.5 inches long. | 3-1/2" x 3/4" x 1/4" 3-1/2" x 3/4" x 1/2" 3-1/2" x 3/4" x 3/4" 3-1/2" x 3/4" x 7/8" | CLO CL15 CL30 CL45 |
|  | Plastic Mounting Clip White plastic surface mounting clip. Required for vertical mounting of the fixture. Recommended to use every 20 inches. Cannot be used together with the aluminum mounting profile. | 3/4" x 1-1/4" x 1/4" | PCL |
|  | Adjustable Clip Use to adjust and fix the angle of fixture. 180° adjusting range. Delivered as a pair with screws included. | 1/8" x 3/4" | AMC |

Cables and Connectors

| Item | Description | Model | Dimensions | Order Code |
|---|--|---|--|----------------------------------|
|  | Cable IP68 for Static White Outdoor rated UL approved cable. Use to extend installation distance with outdoor rated splicing box (by others). | Static White | 2 x 22 AWG, 160 ft | 14000030 |
|  | Mini Female Connector IP67 for Static White Use to run cable from the driver to the first fixture of the run or to the next fixture. Female mini connector on one side and open end cable on the other side. | Static White Static White | 2 x 22 AWG, 8 in 2 x 22 AWG, 6.5 ft | 15000141 15000142 |
|  | Mini Male Connector IP67 for Static White Use to run cable from the fixture to the driver or to the previous fixture. Male mini connector on one side and open end cable on the other side. | Static White | 2 x 22 AWG, 8 in | 15000140 |
|  | Mini Extension IP67 for Static White Use to extend the distance between connection points. Female connector on one side and male connector on the other side. | Static White Static White | 2 x 22 AWG, 4 in 2 x 22 AWG, 6.5 ft | 15000143 15000144 |
|  | Cable IP68 for RGB and Tunable White Outdoor rated UL approved cable. Use to extend installation distance with outdoor rated splicing box (by others). | RGB / Tunable White RGB / Tunable White | 4 x 23 AWG, 160 ft 4 x 18 AWG, 160 ft | 14000048 14000060 |
|  | Mini Female Connector IP67 for RGB and Tunable White Use to run cable from the driver to the first fixture of the run or to the next fixture. Female mini connector on one side and open end cable on the other side. | RGB Tunable White RGB / Tunable White | 4 x 23 AWG, 8 in 4 x 23 AWG, 8 in 4 x 23 AWG, 6.5 ft | 15000201 15000241 15000202 |
|  | Mini Male Connector IP67 for RGB and Tunable White Use to run cable from the fixture to the driver or to the previous fixture. Male mini connector on one side and open end cable on the other side. | RGB Tunable White | 4 x 23 AWG, 8 in 4 x 23 AWG, 8 in | 15000200 15000240 |
|  | Mini Extension IP67 for RGB and Tunable White Use to extend the distance between connection points. Female connector on one side and male connector on the other side. | Static White Static White | 4 x 23 AWG, 4 in 4 x 23 AWG, 6.5 ft | 15000203 15000204 |

ARUP

Project Number: 271565
Phone: 1 212 896 3000

XOOLINE Static White/Tunable White/RGB

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AL04

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Drivers

| Item | Specifications | Downloads |
|--|---|--|
| LED LINEAR™ Non-Dimmable Drivers  | <ul style="list-style-type: none"> UL 8750 Listed Enclosure - With Built-In Junction Boxes Universal Input Voltage 120V - 277V IP65 - For Both Indoor and Outdoor Use No Minimum Load Requirement 24V Constant Voltage Output, Class 2 Available in three wattages 30W, 60W and 96W Max. Dimensions: 12-1/8" x 2-3/8" x 1-3/8" | 30 W SPEC SHEET 60 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS |
| LED LINEAR™ 0-10V Dimmable Drivers  | <ul style="list-style-type: none"> UL 8750 Listed Enclosure - With Built-In Junction Boxes 0-10V Dimmable - Flicker Free Down to 1% Universal Input Voltage 120V - 277V IP65 - For Both Indoor and Outdoor Use 24V Constant Voltage Output, Class 2, Class P Available in three wattages 30W, 60W and 96W Max. Dimensions: 12-1/8" x 2-3/8" x 1-3/8" | 30 W SPEC SHEET 60 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS |
| LED LINEAR™ ELV/Triac Dimmable Drivers  | <ul style="list-style-type: none"> UL 8750 Listed Class 2 Enclosure 24V constant voltage output Compact size yet high efficiency and performance in dry and damp environments (IP67) Multiple Inputs: 120V or 277V Fully dimmable: ELV Dimmers - Reverse or Adaptive Phase Control, Trailing Edge Available in two wattages 48W and 96W Multiple Circuits are available up to 4 units (up to 384W) | 48 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS |
|  PWM Dimmable Drivers  | <ul style="list-style-type: none"> Universal AC input / Full range (up to 305VAC) Constant voltage PWM style output Built-in 3 in 1 dimming function (0-10Vdc or PWM signal or resistance) Dimming range : 0-100% Class 2 power unit Suitable for dry / damp / wet locations UL Recognized component, 5 years warranty | 48 W SPEC SHEET 60 W SPEC SHEET 90 W SPEC SHEET INSTALLATION INSTRUCTIONS |
|  Dimmable Drivers  | <ul style="list-style-type: none"> UL Listed Enclosure Dimming Range: 100% to 1% and 0.1% (Premiere) LED lighting turns on to any dimmed level without flashing to full brightness Operating Voltage: 120V~ to 277V~ at 50/60 Hz Rated lifetime of 50,000 hours at 40°C (104°F) ambient temperature and maximum loading For rated warranty, ambient temperature not to exceed 40°C (104°F) Open-circuit protected output | HI-LUME SPEC SHEET HI-LUME PREMIERE SPEC SHEET INSTALLATION INSTRUCTIONS |
| eldoLED DALI/DMX Dimmable Drivers  | <ul style="list-style-type: none"> Available in linear or rectangular format 100W, DMX/DALI interface for Static White, Tunable White and RGB/W Applications 4 control channels 24V constant voltage, 4 x 24V outputs Metal or plastic case options | 100 W SPEC SHEET INSTALLATION INSTRUCTIONS |

Controllers

| Item | Specifications | Downloads |
|---|---|--------------------------------------|
|  | 180/D DMX Controller for RGB/W and Tunable White Applications | 180/D SPEC SHEET |
|  | 210/D Dali Controller for Static White Applications | 210/D SPEC SHEET |
|  | 211/D-LG 0-10V Logarithmic Dimming Controller | 211/D-LG SPEC SHEET |
|  | 211/D-LN 0-10V Linear Dimming Controller | 211/D-LN SPEC SHEET |
|  | 212/D DMX Controller for Static White and Static Color Applications | 212/D SPEC SHEET |
|  | DimWheel DMX Wall Controller for RGB/W and Tunable White Applications | DIM WHEEL SPEC SHEET |

Click for more
information

PRODUCT BROCHURE

INSTALLATION

IES FILES

DRIVERS & CONTROLS

LED LINEAR TECHNOLOGY

QUICK SHIPPING

VOLTAGE DROP CALCULATOR

ARUP

Project Number: 271565
Phone: 1 212 896 3000

Manufacturer: Coronet : LS3 LED
Description: Surface Mounted Linear

Fixture Wattage: 10 W/ft
Lumen Output: 770 lumen/ft
Lamp CRI: 80+

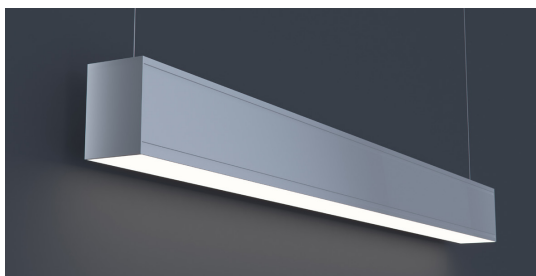
Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: LS3 LED X 3000/90 LTG3 UNV DB X AC SD X EM120V

Coronet

LS3 LED





DATE PROJECT FIRM TYPE



Linear, architectural luminaire. For use in indoor applications where an LED luminaire providing continuous light is required. Suspended, surface or wall mounted installation. For custom mounting consult factory.

FEATURES

- Available In Made To Measure Lengths Accurate Up To 1/16"
- Patterns Available (See Page 2)
- Damp Location Rated
- CRI 90+ Standard; R9>50
- 5 Year, 50,000 Hour Fixture Warranty
- 2700K, 3000K, 3500K, 4000K & 5000K Color Temperatures Available
- Available with PoE

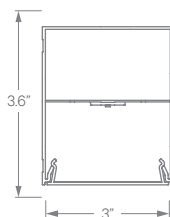
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|----------------------------------|---|-----------------|--|---|--|---|---|---|
| APPLICATIONS | Offices, Lobbies, Retail Stores, Classrooms, Reception Areas & Corridors | | | | | | | |
| CONSTRUCTION | Extruded Aluminum Housing with Die Cast Ends. Formed Steel Gear Tray | | | OPTICS | Extruded High Transmission Satin Acrylic Lens with No LED Imaging. Additional Optics Available | | | |
| WARRANTY | 5 Year Limited Warranty (Covers Standard Components) | | | FINISH | Standard Powder-Coated White. Custom RAL Colors Available | | | |
| FIXTURE RATINGS & CERTIFICATIONS | Union Made | Made In The USA | DLC Listed* |  |  |  | DRIVERS & SENSORS |  |
| | ETL Listed | Damp Location | *Not all outputs listed, consult factory | *Must Specify JAB Compliant Driver | | | | |
| ELECTRICAL | Integral Driver with 0-10V Dimming Standard. Several Driver Options Available | | | | | | For Wiring Diagrams and Sensor Information Click Here | |

DRIVERS & SENSORS

For Wiring Diagrams and Sensor Information Click [Here](#)



EXTRUSION DIMENSIONS



LED SYSTEM INFORMATION

| | Nominal System Watts | Nominal Delivered Lumens | Nominal Efficacy |
|-----------------|----------------------|--------------------------|------------------|
| Standard (LTG1) | 7.25 W/ft | 560 lm/ft | 80 LPW |
| Low (LTG2) | 5 W/ft | 405 lm/ft | 80 LPW |
| High (LTG3) | 10 W/ft | 770 lm/ft | 78 LPW |

Based on a 3500K luminaire using one driver. Custom outputs available; specify below.

ORDERING

| 1 - FIXTURE ID | 2 - LENGTH | 3 - COLOR TEMP | 4 - LED SYSTEM | 5 - VOLTAGE | 6 - DRIVER |
|--|--|---|--|---|--|
| LS3 LED | 2 - 2 ft 4 - 4 ft 8 - 8 ft X"-X" - Specify Length PAT - Pattern (Consult Factory) | 27 - 2700K/90 CRI 30 - 3000K/90 CRI 35 - 3500K/90 CRI 40 - 4000K/90 CRI 50 - 5000K/90 CRI TW* - Tunable White RGBW** - RGB + 3000K *Must use DMX or TW10 Driver **Must use DMX Driver | LTG1 - Standard LTG2 - Low LTG3 - High LTGC - Custom Output | UNV - Universal (120/277V) | DB - Standard Dimming (0-10V) DB1% - 1% Dimming (0-10V) DB.1% - 0.1% Dimming (0-10V) LTEA - Lutron 2-wire 1% Dimming (120V only) LDE1 - Lutron Digital EcoSystem LDES - 5 Series EcoSystem; 5% Dimming JAB - JAB Compliant 1% Dimming (0-10V) PoE - Power over Ethernet. Consult Factory for Compatibility DMX - For Color Tuning and RGBW (Remote) TW10 - Dual Channel, 0-10V For Color Tuning (CCT and Intensity Control) |
| 7 - FINISH | 8 - MOUNTING | 9 - OPTICS | 10 - CONTROL (Optional) | 11 - CIRCUITS | |
| W - White (Standard) BLK* - Black CC* - Custom Color (provide RAL number**) CWF* - Custom Wood Finish (provide color**) | AC - Air Craft Cable (50") SM - Surface Mount WM - Wall Mount *For Perimeter Mount see LSR3 spec sheet. | SD - Standard Diffuser POL - 1" Drop Below Pop Out Lens ASYM - Asymmetric Optic WW - Wall Wash Reflector | EIS - Enlighted Sensor WISD - Wattstopper Daylight Sensor WISM - Wattstopper Occupancy Sensor SLS - SensiLUM Sensor ACS - Acuity Controls nLight System CCS - Casambi Compatible ECS - Eaton WaveLinx System *For other control systems not listed consult factory. | EM 120V - Emergency Pack EM 277V - Emergency Pack EMCKT - Emergency Circuit | |

*White cord and canopy provided.
Must specify for other requests.
**(See [here](#) for finish options)

CORONET, Inc.
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Totowa, NJ 07512

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F 973 345 8705

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1/2

Updated: 12/13/2019

Type:

AL05

Page 1 of 2

Lighting Notes:

1. Refer to architectural drawings for fixture length.
2. Finish to be specified by architect.
3. Add alternate: Standard Finish

ARUP

Project Number: 271565
Phone: 1 212 896 3000

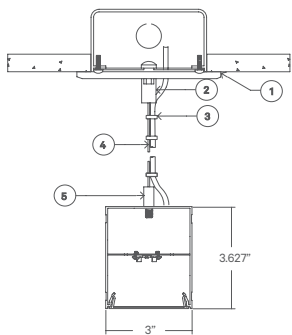
Coronet

LS3 LED

| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|

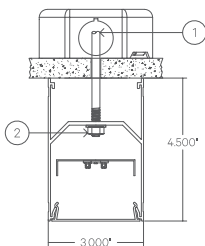
MOUNTING OPTIONS

AC - Air Craft Cable (50")



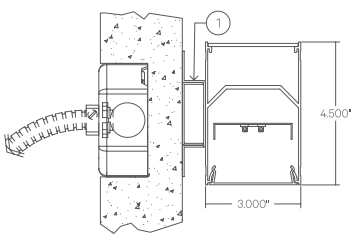
- 1 - 5" Round Canopy (Standard White Finish)
- 2 - Canopy Retainer
- 3 - SJT Cord (Standard White)
- 4 - Air Craft Cable
- 5 - Gripper

SM - Surface Mount



- 1 - Threaded Rod (not supplied)
- 2 - 1/4-20 Nut (not supplied)

WM - Wall Mount



- 1 - 0.75" Wall Mount Bracket

PATTERNS

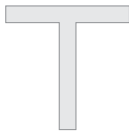
Patterns feature illuminated corners and angles. Must consult factory for custom corners, patterns and elevations.



Square Patterns



X Patterns



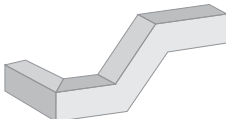
T Patterns



Custom Angles

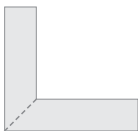


Custom Patterns



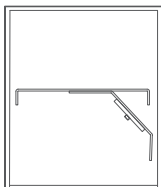
Custom Elevations

LENS CUT



Mitered

WALL WASH REFLECTOR



Cross Section

Updated: 12/13/2019

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2/2

Type:

AL05

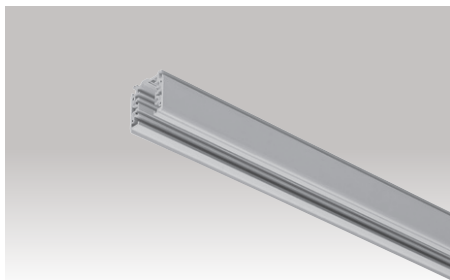
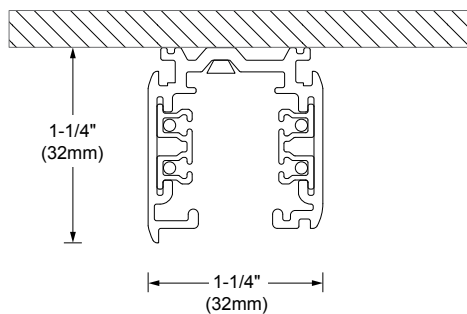
Page 2 of 2

Manufacturer: iGuzzini : Track**Description:** 2 Circuit Surface Mounted Track**Fixture Wattage:** NA**Lumen Output:** NA**Lamp CRI:** 80+**Lighting Controls:** 0-10V Dimming**Voltage:** 120 V**Fixture Finish:** Galvanized, Clear anodized or custom RAL**Lamp CCT:** 3000K**Assembly Code:** I.016x**2 CIRCUIT TRACK****SPECIFICATION SHEET**

PAGE: 1 OF 3

Project name:

Type:

**General information****Mounting:** Surface mount or suspended.**Body:** Extruded aluminum professional track.**Electrical:** 120V or 277V with two circuits, 20A per circuit.
2 hot, 2 neutral. Line voltage dimming capability.**Finish:****Track:** Anodized natural aluminum, white or black painted.**Accessories:** White, black or gray painted.**Warranty:** 1 year limited warranty.**Certification:** cULus listed for dry location.**SECTION VIEW****Type:****AT01**

Page 1 of 3

Lighting Notes:

1. Finish to be specified by architect
2. Add alternate:
Standard Finish

DUE TO CONTINUOUS IMPROVEMENTS, THE INFORMATION HEREIN MAY BE CHANGED WITHOUT NOTICE.

LAST UPDATE: JULY 09, 2018

JP - R7

iGuzzini
NORTH AMERICA

 9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7
 P.: 514.523.1339 F.: 514.525.6107 www.iguzzini-na.com
ARUP

Project Number: 271565

Phone: 1 212 896 3000

2 CIRCUIT TRACK**SPECIFICATION SHEET**

PAGE: 2 OF 3

Project name:

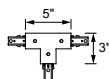
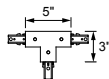
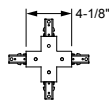
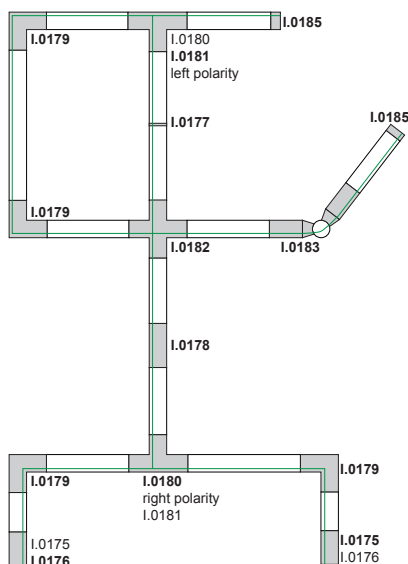
Type:

ELECTRICAL COMPONENTS

(TO BE ORDERED SEPARATELY)

Feedable connexions

- ☐ 120V ☐ 277V
☐ 01 - White ☐ 02 - Black ☐ 10 - Gray

☐ **I.0175** - Live end feed☐ **I.0176** - Live end feed mirror☐ **I.0177** - Linear coupler☐ **I.0178** - Direct coupler☐ **I.0179** - L-Connector adjustable polarity☐ **I.0180** - T-Connector right polarity☐ **I.0181** - T-Connector left polarity☐ **I.0182** - X-Connector☐ **I.0183** - Adjustable connector☐ **I.0184** - Outlet box cover☐ **I.0185** - End cap**Example of configuration**

Track is polarized and is manufactured with identifying ridge (green line on diagrams). Refer to these diagrams to ensure proper connector selection.

Type:

AT01

Page 2 of 3

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LAST UPDATE: JULY 09, 2018

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 Project Number: 271565
 Phone: 1 212 896 3000

2 CIRCUIT TRACK**SPECIFICATION SHEET**

PAGE: 3 OF 3

Project name:

Type:

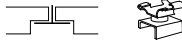
Type:

AT01

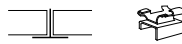
Page 3 of 3

SURFACE MOUNTING (TO BE ORDERED SEPARATELY)**Track mounting clip**☐ 01 - White ☐ 02 - Black

- ☐ **I.0201** - For T-BAR 15/16"
Recommended for Tegal edge tile



- ☐ **I.0202** - For T-BAR 15/16"
Recommended for Square edge tile



- ☐ **I.0205** - For dry wall or threaded rod 1/4"-20
(Rod supplied by others)

**ACCESSORIES (TO BE ORDERED SEPARATELY)**

- ☐ **I.0186** - Conductor bending tool
(required during field length cutting)

**Cover**☐ 01 - White ☐ 02 - Black ☐ 10 - Gray

- ☐ **I.0191** - Plastic cover to hide track mounting clip
when using stem, cable or rod.

**SUSPENSION MOUNTING (TO BE ORDERED SEPARATELY)****Painted finish**
☐ 01 - White⁽¹⁾ ☐ 02 - Black⁽¹⁾ ☐ 10 - Gray⁽¹⁾
☐ 21 - Black/White⁽²⁾ ☐ 20 - Gray/White⁽²⁾
Stem kit

- ☐ **I.0208-12** - 12" stem
☐ **I.0208-18** - 18" stem
☐ **I.0208-24** - 24" stem
☐ **I.0208-48** - 48" stem
 Includes canopy, stem, 5'5" power cable and track mounting clip



- ☐ **I.0204-12** - 12" stem
☐ **I.0204-18** - 18" stem
☐ **I.0204-24** - 24" stem
☐ **I.0204-48** - 48" stem
 Includes GWB anchor, stem and track mounting clip

**Aircraft cable kit**

- ☐ **I.0216** - Canopy kit
 Includes canopy, 5'-5" aircraft cable, 5'-5" power cable
 and 6" stem with track mounting clip



- ☐ **I.0212** - Anchor kit
 Includes GWB anchor, 5'-5" aircraft cable and 6" stem
 with track mounting clip

**Canopy**

- ☐ **I.0220** - Canopy with 5'-5" power cable

⁽¹⁾ Canopy or anchor will match the kit color⁽²⁾ Kit includes a default white painted canopy or anchor**ORDERING INFO****RESET INFO**

| MODEL | VOLTAGE | FINISH |
|--|---|--|
| <input type="radio"/> I.0166 - 4'L | <input type="radio"/> 120 - 120V | <input type="radio"/> 01 - White |
| <input type="radio"/> I.0167 - 8'L | <input type="radio"/> 277 - 277V | <input type="radio"/> 02 - Black |
| <input type="radio"/> I.0168 - 12'L | | <input type="radio"/> 12 - Aluminum |

DUE TO CONTINUOUS IMPROVEMENTS, THE INFORMATION HEREIN MAY BE CHANGED WITHOUT NOTICE.

LAST UPDATE: JULY 09, 2018

JP - R7

iGuzzini
 NORTH AMERICA

 9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7
 P.: 514.523.1339 F.: 514.525.6107 www.iguzzini-na.com
ARUP
 Project Number: 271565
 Phone: 1 212 896 3000

Manufacturer: iGuzzini : Adjustable Track Light
Description: Adjustable Track Light

Fixture Wattage: 28 W
Lumen Output: 2010 lumen
Lamp CRI: 90+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: I.PLC S-930-WF-120-X-X

PALCO SMALL

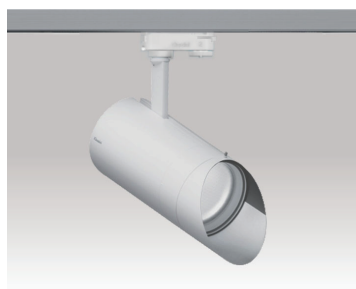
LED

Type:

Project :

SPECIFICATION SHEET

Page: 1 of 4



Palco, a veritable family of projectors, considers the work exhibited not only as a physical element, but also its content, the feelings and the message that it is communicating, without forgetting about the space and its contribution to the work. Its shape is inspired by the brush, the main tool used by the artist in the creative process.

Luminaire characteristic:

Power input: 7.5 or 29W
Lumens: from 235 to 2010lm (for 3000K, 90CRI)
Luminaire efficacy: Up to 69lm/W

Source: White LED (LM-80 tested)
 3000K : 90CRI,
 4000K : 80CRI.

Lumen maintenance: 80% of initial lumens at 50 000 hours (L80).

Optic: Super Spot, Spot, Medium, Flood, Wide Flood or Wall Washer optics.

Material: Optical body and arm: Die-cast aluminum
 Accessory holder ring and driver housing: thermoplastic
 Reflector: formed aluminum (all optics except Super Spot)
 Lens: methacrylate (only for Super Spot optic)
 Protective screen: glass.

Mounting: Track adaptor with circuit selector for two circuit tracks.
 Also, compatible with TEK or HTEK from Nordic Aluminum.

Electrical: Integral high efficiency driver 120 / 277V

Dimming: Leading (Triac) and trailing edge (ELV) for 120V only.

Finish: White RAL9010, Black.

Weight: STANDARD: 2.8lbs (1.3kg)
 WALL WASHER: 3.2lbs (1.4kg)

Warranty: 5 year limited warranty.

Ratings: IP20

Certification:



cULus listed for dry location.

Type:

ATH1

Page 1 of 4

Lighting Notes:

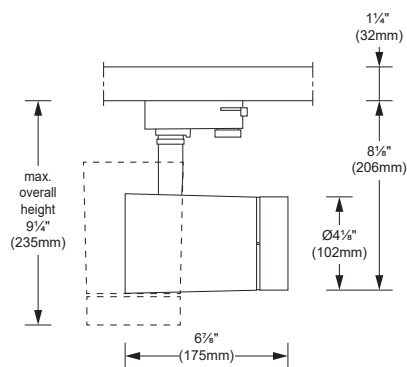
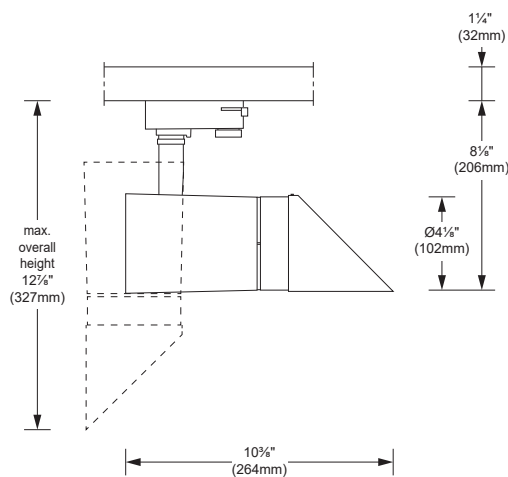
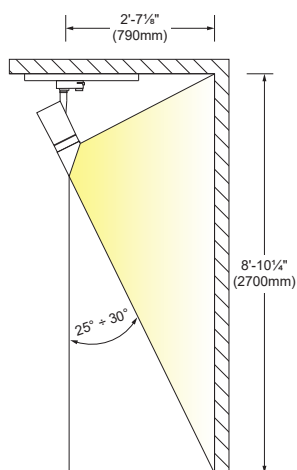
1. Finish to be specified by architect
2. Provide hex louvers for 10% of fixtures
3. Add alternate: Standard Finish

ARUP

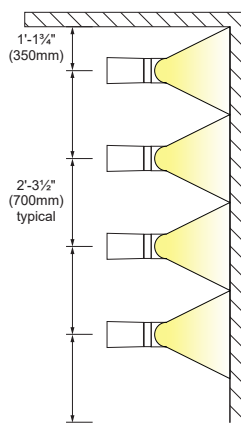
Project Number: 271565
 Phone: 1 212 896 3000

PALCO
SMALL LEDType: _____ SPECIFICATION SHEET
Project: _____ Page: 2 of 4**DIMENSION****STANDARD**

Super Spot, Spot, Medium, Flood and Wide Flood optics

**WALL WASHER****WALL WASHER SUGGESTED SPACING AND WALL DISTANCE**

SIDE VIEW



TOP VIEW

JP - R7 Last update: February 28, 2020

Due to continuous improvements, the information herein may be changed without notice

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NORTH AMERICA

9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7, P.: 514.523.1339 F.: 514.525.6107 www.iguzzini-na.com

Type:

ATH1

Page 2 of 4

ARUPProject Number: 271565
Phone: 1 212 896 3000

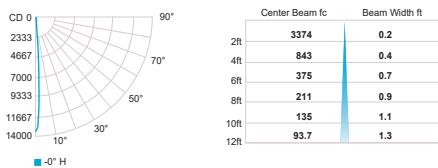
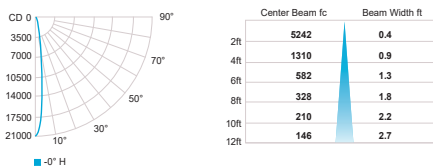
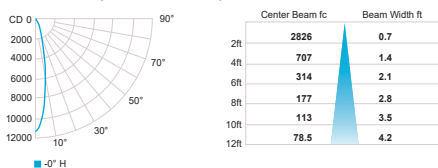
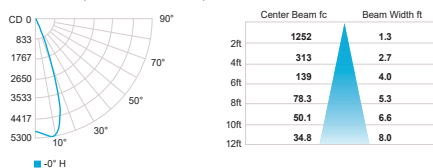
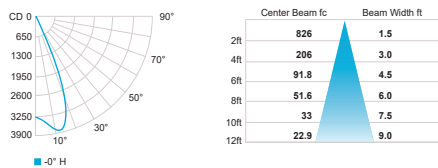
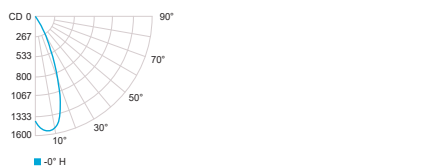
PALCO
SMALL LEDType: _____ SPECIFICATION SHEET
Project : _____ Page: 3 of 4**PHOTOMETRIC DATA**Visit iguzzini.com/us for complete photometric data.

| CCT (K) | CRI | LOAD (W) | OPTIC | LUMENS (lm) | EFFICACY (lm / w) | MAX CANDELA (cd) |
|------------|-----|-------------|---------------------------|----------------|----------------------|---------------------|
| 3000K | 90 | 7.5W | Super Spot ⁽¹⁾ | 235 | 31 | 13 495 |
| | | 29W | Spot | 1960 | 68 | 20 965 |
| | | | Medium | 1955 | 67 | 11 300 |
| | | | Flood | 1895 | 65 | 5 285 |
| | | | Wide Flood | 2010 | 69 | 3 830 |
| | | | Wall Washer | 1010 | 35 | 1 555 |

*Use multiplier table for other cct and cri output data

⁽¹⁾Not applicable for Super Spot model

| | |
|-------------------|-------------|
| CCT options | 4000K |
| CRI options | 80CRI |
| Multiplier | 1.13 |

Super Spot 6° (7.5W - 3000K - 90 CRI)**Spot 12° (29W - 3000K - 90 CRI)****Medium 20° (29W - 3000K - 90 CRI)****Flood 38° (29W - 3000K - 90 CRI)****Wide Flood 46° (29W - 3000K - 90 CRI)****Wall Washer (29W - 3000K - 90 CRI)**

JP - R7 Last update: February 28, 2020

Due to continuous improvements, the information herein may be changed without notice

iguzzini
NORTH AMERICA9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7, P.: 514.523.1339 F.: 514.525.6107 www.iguzzini-na.com

Type:

ATH1

Page 3 of 4

ARUP

Project Number: 271565

Phone: 1 212 896 3000

PALCO
SMALL LEDType:
Project :SPECIFICATION SHEET
Page: 4 of 4**ORDERING INFO****I.PLC S** - - - -
FIXTURE

RESET

Type:

ATH1

Page 4 of 4

MODEL **I.PLC S** - Small**LED**☐ **840** - 4000K, 80 CRI ☐ **930** - 3000K, 90 CRI**OPTIC**☐ **SS** - Super Spot⁽¹⁾ ☐ **SP** - Spot ☐ **MD** - Medium ☐ **FL** - Flood
☐ **WF** - Wide Flood ☐ **WW** - Wall Washer**VOLTAGE**☐ **120** - 120V ☐ **277** - 277V**FINISH**☐ **01** - White ☐ **02** - Black**DIMMING**☐ **LTE** - Leading and Trailing edge dimming (120V only)⁽¹⁾ Only available with 3000K, 90CRI LED (**930**)**ACCESSORIES (TO BE ORDERED SEPARATELY)**
for installation consult the instruction sheet**INTERCHANGEABLE REFLECTORS**☐ **I.MXW5-12** - Spot ☐ **I.MXW6-12** - Medium ☐ **I.MXW7-12** - Flood ☐ **I.MXW8-12** - Wide Flood**LENS** (Maximum 1 per fixture)☐ **I.MXD8-24** - Soft focus lens ☐ **I.MXB7-24** - Medium elliptical lens ☐ **I.MXC0-24** - Large elliptical lens ☐ **I.MY34-24** - Opti beam elliptical lens⁽¹⁾**OPTICAL ACCESSORIES**☐ **I.MXF0-02** - Louvre (black)⁽²⁾ ☐ **I.MXF3-01** - Antiglare screen (white)⁽³⁾ ☐ **I.MXF6-02** - Directional flaps (black)
☐ **I.MY90-02** - Opti beam louvre (black) ☐ **I.MXF3-02** - Antiglare screen (black)⁽³⁾⁽¹⁾ Only available for **Super Spot (SS)**.⁽²⁾ Must be used with **I.MXD8** lens.⁽³⁾ Only available for **Super Spot (SS)** and **Spot (SP)** optics and **I.MXD8** must be used with **Spot (SP)** optic assembly.

JP - R7 Last update: February 28, 2020

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ARUPProject Number: 271565
Phone: 1 212 896 3000

Manufacturer: BEGA : 22248
Description: Recessed Wall Light

Fixture Wattage: 2 W
Lumen Output: 159 lumen
Lamp CRI: 80+

Lighting Controls: 0-10V Dimming

Voltage: 120 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: 22248-K3

LED recessed wall - shielded

BEGA

Type:

AW02

Page 1 of 1

Lighting Notes:

1. Finish to be specified by architect
2. Add alternate: Standard Finish

Application

Designed for low mounting heights for interior and exterior locations, the shielded light distribution is ideal for the glare-free illumination of ground surfaces, building entrances, stairs, and footpaths.

Materials

Luminaire housing and faceplate constructed of die-cast marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
 White safety glass
 High temperature silicone gasket
 Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
 Protection class IP 65
 Weight: 2.2 lbs

Electrical

Operating voltage 120-277VAC
 Minimum start temperature -30°C
 LED module wattage 3.9W
 System wattage 6.0W
 Controllability 0-10V dimmable
 Color rendering index $Ra > 90$
 Luminaire lumens 159 lumens (3000K)
 Lifetime at $T_a = 15^{\circ}\text{C}$ $> 500,000$ h (L70)
 Lifetime at $T_a = 45^{\circ}\text{C}$ 172,000 h (L70)

LED color temperature

- ☐ 4000K - Product number + **K4**
☐ 3500K - Product number + **K35**
☒ 3000K - Product number + **K3 (EXPRESS)**
☐ 2700K - Product number + **K27**
☐ Amber - Product number + **AMB**

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

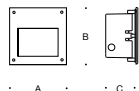
Available colors ☐ Black (BLK) ☐ White (WHT) ☒ RAL:
☐ Bronze (BRZ) ☐ Silver (SLV) ☐ CUS:

Type:

BEGA Product:

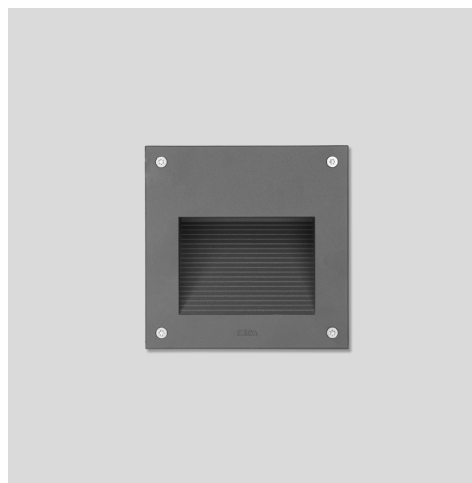
Project:

Modified:



LED recessed wall - shielded

| | LED | A | B | C |
|--------------|-----------------|-------|-------|-------|
| 22272 | ADA 3.9W | 5 7/8 | 5 7/8 | 4 1/8 |



BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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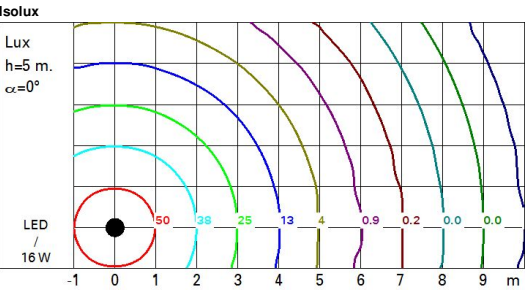
ARUP

Project Number: 271565
 Phone: 1 212 896 3000

Voltage: 48 V
Fixture Finish: Galvanized, Clear anodized or custom RAL
Lamp CCT: 3000K
Assembly Code: Q719

| Lux | | | |
|-----|-----|-----|------|
| h | d | Em | Emax |
| 1 | 1.6 | 956 | 1340 |
| 2 | 3.2 | 239 | 335 |
| 3 | 4.9 | 106 | 149 |
| 4 | 6.5 | 60 | 84 |

Project Number: 271565
Phone: 1 212 896 3000



UGR diagram

| Corrected UGR values (at 2150 lm bare lamp luminous flux) | | | | | | | | | | | | |
|---|-----|-----------|-------------|------|------|------|-------------|------|------|------|------|--|
| Reflect.: | | | | | | | | | | | | |
| ceiling | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | |
| walls | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | |
| work pl. | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | |
| Room dim | | viewed | | | | | viewed | | | | | |
| x y | | crosswise | | | | | endwise | | | | | |
| 2H | 2H | 20.1 | 20.9 | 20.4 | 27.1 | 27.3 | 20.1 | 20.9 | 20.4 | 27.1 | 27.3 | |
| | 3H | 20.0 | 20.6 | 20.3 | 20.9 | 27.2 | 20.0 | 20.6 | 20.3 | 20.9 | 27.2 | |
| | 4H | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | |
| | 6H | 25.8 | 20.4 | 20.2 | 20.7 | 27.0 | 25.8 | 20.4 | 20.2 | 20.7 | 27.0 | |
| | 8H | 25.8 | 20.3 | 20.2 | 20.7 | 27.0 | 25.8 | 20.3 | 20.2 | 20.7 | 27.0 | |
| | 12H | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | |
| 4H | 2H | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | 25.9 | 20.5 | 20.2 | 20.8 | 27.1 | |
| | 3H | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | 25.8 | 20.3 | 20.1 | 20.6 | 27.0 | |
| | 4H | 25.7 | 20.1 | 20.1 | 20.5 | 20.9 | 25.7 | 20.1 | 20.1 | 20.5 | 20.9 | |
| | 6H | 25.6 | 20.0 | 20.0 | 20.4 | 20.8 | 25.6 | 20.0 | 20.0 | 20.4 | 20.8 | |
| | 8H | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | |
| | 12H | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | |
| 8H | 4H | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | 25.5 | 25.9 | 20.0 | 20.3 | 20.7 | |
| | 6H | 25.4 | 25.7 | 25.9 | 20.2 | 20.7 | 25.4 | 25.7 | 25.9 | 20.2 | 20.7 | |
| | 8H | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | |
| | 12H | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | |
| 12H | 4H | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | 25.5 | 25.8 | 25.9 | 20.2 | 20.7 | |
| | 6H | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | 25.4 | 25.6 | 25.9 | 20.1 | 20.6 | |
| | 8H | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | 25.3 | 25.6 | 25.8 | 20.0 | 20.6 | |
| Variations with the observer position at spacing: | | | | | | | | | | | | |
| S = | | 1.0H | 3.2 / -10.6 | | | | 3.2 / -10.6 | | | | | |
| | | 1.5H | 5.5 / -23.3 | | | | 5.5 / -23.3 | | | | | |
| | | 2.0H | 7.5 / -25.3 | | | | 7.5 / -25.3 | | | | | |

Type:
AWS03
Page 2 of 2

ARUP
Project Number: 271565
Phone: 1 212 896 3000