

**Manufacturer:** BK : Delta Star**Description:** Spotlight with medium flood optic (23deg)**Fixture Wattage:** 7 W W**Lumen Output:** 800 lumens**Lamp CRI:** 80+**Control Type:** 0-10V Dimming**Voltage:** 12 V**Fixture Finish:** Satin Aluminium (SAP)**Lamp CCT:** 3000K

Fixture recessed into wooden bollard

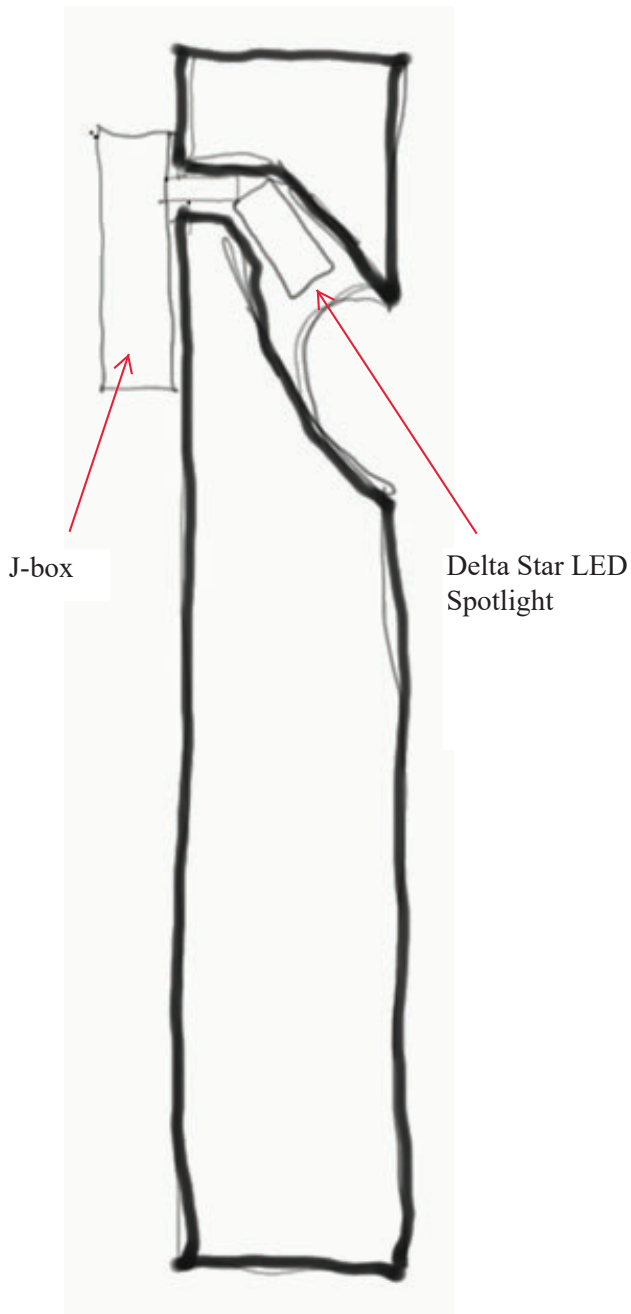
Refer to following pages for fixture and J-box specification

**Type:****AB01**

Page 1 of 8

**Lighting Notes:**

1. Fixture incorporated into timber bollard



Section NTS



Axonometric NTS

**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

Page 2 of 8

B-K LIGHTING

MADE IN THE USA

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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:

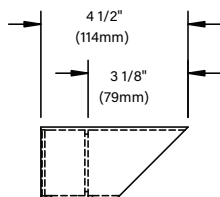
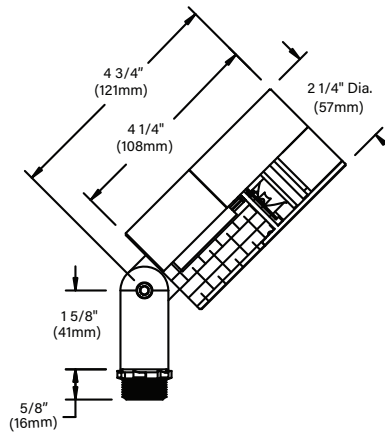
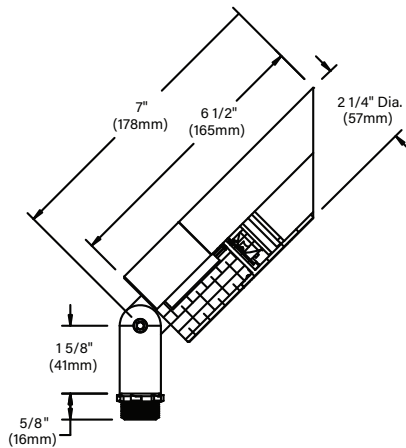
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TYPE:

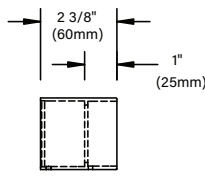
Type:

AB01

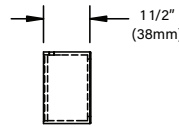
Page 3 of 8



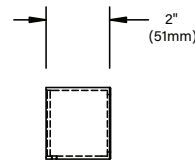
A/D CAP



B/E CAP



C CAP



F CAP

STANDARD FINISHES



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

PREMIUM FINISHES



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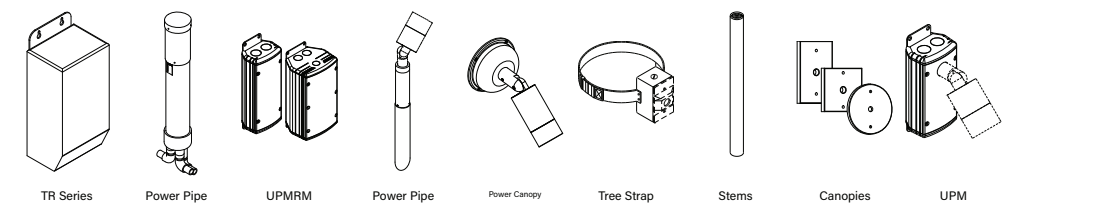
01/15/2020 SKU-739  
SUB0000930

**ARUP**

Project Number: 271565  
Phone: 1 212 896 3000

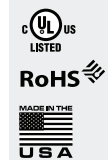
DELTA STAR LED		IP66 RATED
DATE:	PROJECT:	TYPE:

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.



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01/15/2020 SKU-739  
SUB000930

Type:

# AB01

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# 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 <sub>70</sub> )	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:

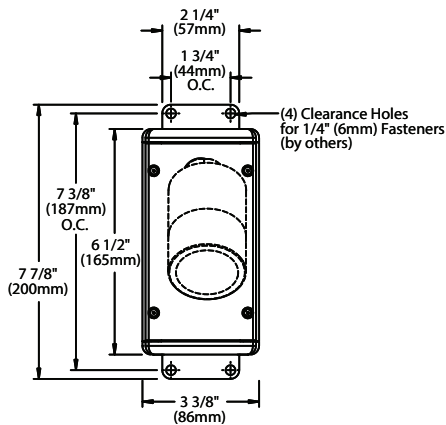
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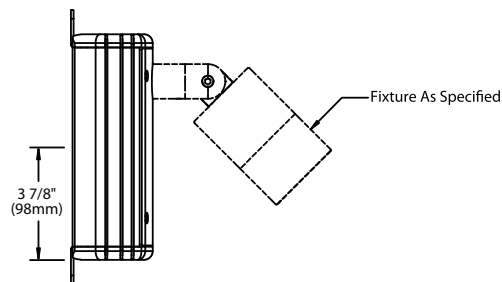
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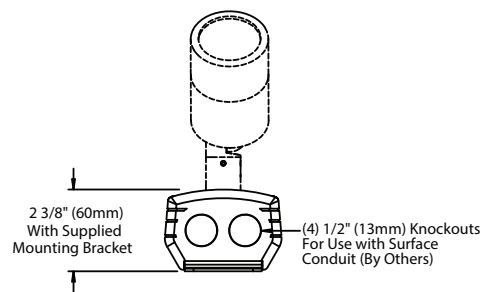
FRONT VIEW



SIDEVIEW



END VIEW



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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:

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.
<div><div> RoHS  </div><div><b>B-K LIGHTING</b></div><div><b>MADE IN THE USA</b></div><div>559.438.5800   INFO@BKLIGHTING.COM   BKLIGHTING.COM</div></div> <div><p>THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.</p><p>01/21/2020 SKU-721 P2</p></div> <div><p><b>ARUP</b> Project Number: 271565 Phone: 1 212 896 3000</p></div>		



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

**Fixture Wattage:** 15 W W  
**Lumen Output:** 1316 lumens  
**Lamp CRI:** 80+  
**Control Type:** 0-10V Dimming

**Voltage:** 120 V  
**Fixture Finish:** Grey  
**Lamp CCT:** 3000K

Date: \_\_\_\_\_ Customer: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Type: \_\_\_\_\_ Qty: \_\_\_\_\_

**selux****Type:****AC01**

Page 1 of 6

**Lighting Notes:****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 <sup>1</sup> ½ Frosted Long	CT Clear Tapered Cylinder	¹ DB optics only					
	Light Engine	5G150 <sup>2</sup> 1316lm, 15W	5G250 <sup>2</sup> 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	XX <sup>3</sup>								
	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 <sup>4,5</sup>	480 <sup>4,5</sup>	⁴ Not available with HL30 or HL50 ⁵ Requires stepdown transformer, 60 Hz only		
	Options	DM Dimming (0-10V)	HL30 <sup>6,7</sup> Hi-Lo Switching 30-100%	HL50 <sup>6,7</sup> Hi-Lo Switching 50-100%	HS <sup>8</sup> 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:

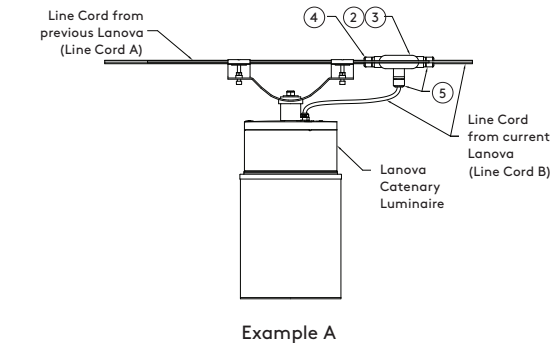


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In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the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

Page 1 of 6  
(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 ft<sup>2</sup>

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'.

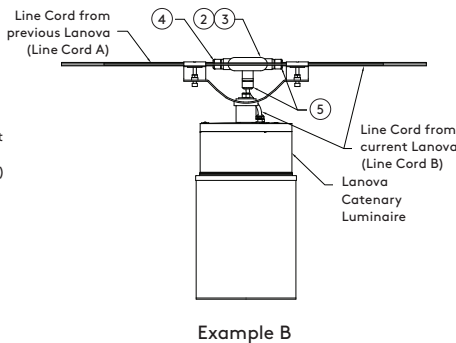
Finish

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."

selux



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

Type:

AC01

Page 2 of 6

**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.**

ARUP

Project Number: 271565  
Phone: 1 212 896 3000

Lanova LED Catenary

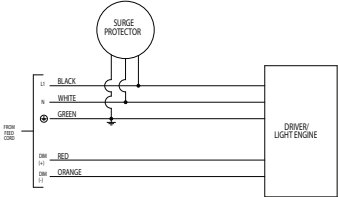
selux

Type:  
**AC01**  
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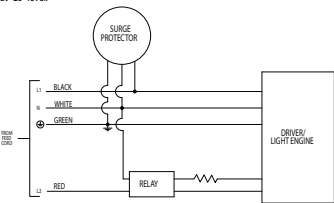
ELECTRICAL SPECIFICATIONS									
CCT	3000K								
CYLINDER	Clear Cylinder						Frosted Cylinder		
OPTICS	Asymmetric			Symmetric			Diffuse Symmetric		
Light Engine/ Electrical Specs	Delivered Lumens (lm)	Wattage (W) 120-277 / 347-480	Efficacy (lm/W)	Delivered Lumens (lm)	Wattage (W) 120-277 / 347-480	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

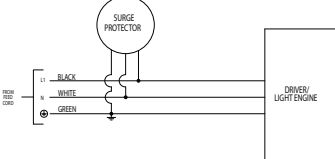
0-10V Dimming Option (DM) Wiring for 120-277V  
100% light output at 10V, down to 1% light output at 0V.



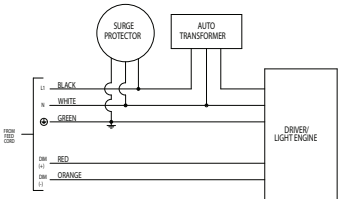
Hi-Lo Switching Option (HL30/HL50) Wiring  
120/240/277V. When red is energized, light output will be  
at "Lo" level.



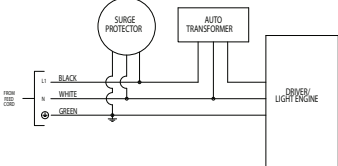
Standard Wiring for 120-277V  
Standard wiring for 120-277V with no additional options.



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



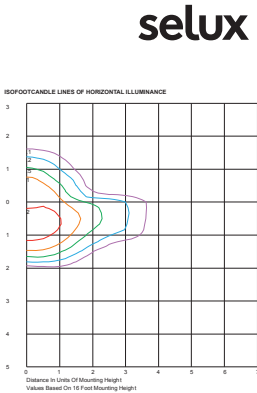
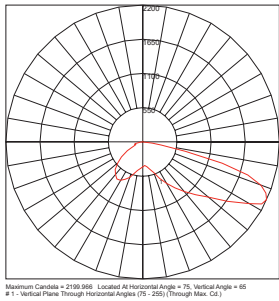
Standard Wiring for 347/480V  
Standard wiring for 347/480V with no additional options.



Lanova LED Catenary

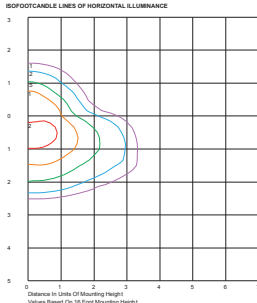
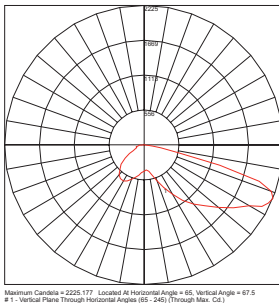
Photometry

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

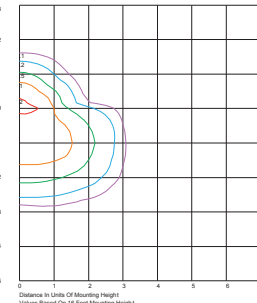
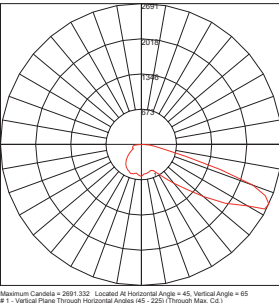


Type:  
**AC01**  
Page 4 of 6

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

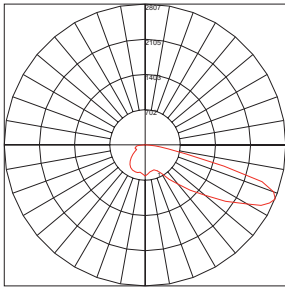


**ARUP**  
Project Number: 271565  
Phone: 1 212 896 3000

Lanova LED Catenary

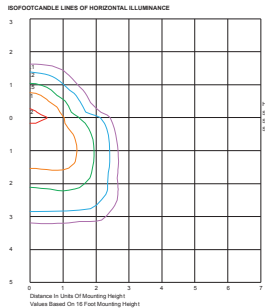
Photometry

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



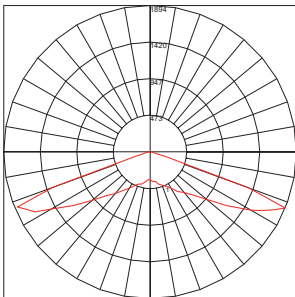
Maximum Candela = 2807.707 Located At Horizontal Angle = 35, Vertical Angle = 67.5  
# 1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)

selux

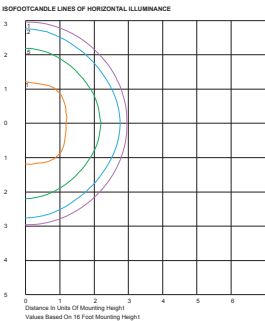


Type: **AC01**  
Page 5 of 6

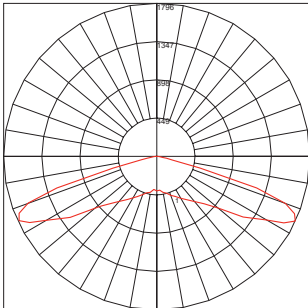
R5R/ 42.5W LED / 3000K CCT  
Catalog #: LALC-R4R-CL-X-5G450-30-XX-120  
Maximum candela of 1894 at 67.5° from vertical.  
Mounting Height = 16' (4.87m)  
4463 Delivered Lumens  
105 Lumens per Watt  
B2-U1-G1



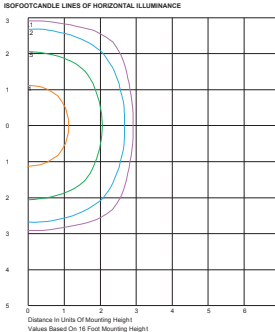
Maximum Candela = 1893.897 Located At Horizontal Angle = 0, Vertical Angle = 67.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)



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.)

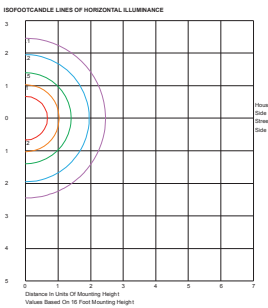
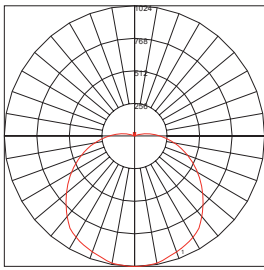


**ARUP**  
Project Number: 271565  
Phone: 1 212 896 3000

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

**Manufacturer:** BK : Delta Star**Description:** Spotlight with medium narrow spot optic (13deg)**Fixture Wattage:** 7 W W**Lumen Output:** 800 lumens**Lamp CRI:** 80+**Control Type:** 0-10V Dimming**Voltage:** 12 V**Fixture Finish:** Clear Anodised Powder (CAP)**Lamp CCT:** 3000K

## 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 4

## Lighting Notes:

B-K LIGHTING

MADE IN THE USA

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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:

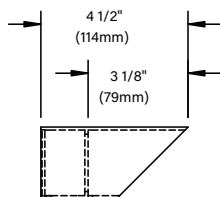
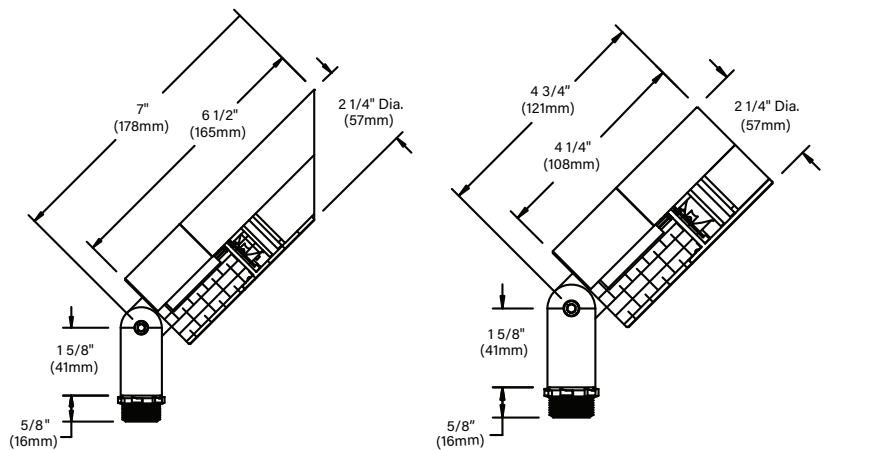
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TYPE:

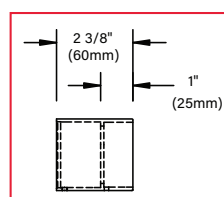
Type:

ADS01

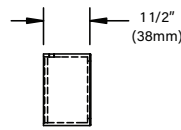
Page 2 of 4



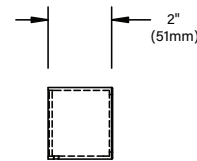
A/D CAP



B/E CAP



C CAP



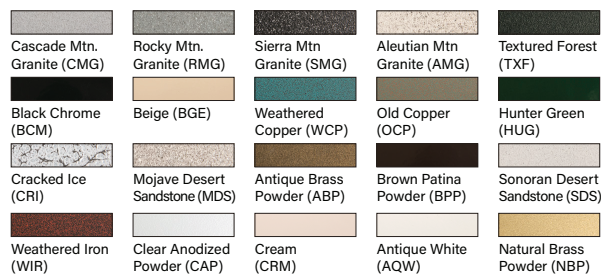
F CAP

## 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

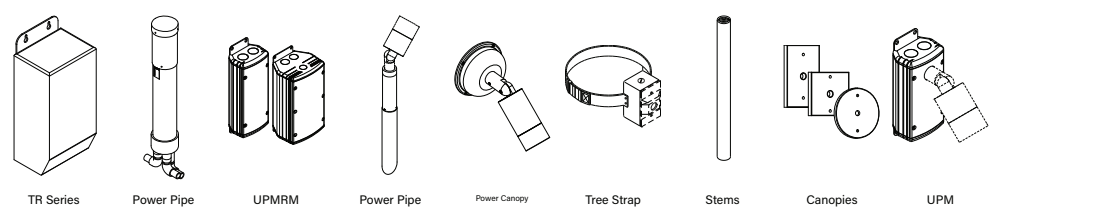
Phone: 1 212 896 3000






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></div><div>B-K LIGHTINGMADE IN THE USA559.438.5800   INFO@BKLIGHTING.COM   BKLIGHTING.COM</div></div> <div>THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.</div> <div>01/15/2020 SKU-739 SUB000930</div>		

Type:  
**ADS01**  
Page 3 of 4

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

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

DATE:

PROJECT:

TYPE:

Type:

**ADS01**

Page 4 of 4

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 <sub>70</sub> )	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

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

**Fixture Wattage:** 24 W W  
**Lumen Output:** 2477 lumens  
**Lamp CRI:** 80+  
**Control Type:** 0-10V Dimming

**Voltage:** 120 V  
**Fixture Finish:** Silver  
**Lamp CCT:** 3000K

Date: \_\_\_\_\_ Customer: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Type: \_\_\_\_\_ Qty: \_\_\_\_\_

**selux**

Type:

**ALP01**

Page 1 of 12

**Lighting Notes:**

**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 <sup>1</sup> ½ Frosted Long	CT Clear Tapered				<sup>1</sup> DB optics only	
Light Engine	5G150 <sup>2</sup> 1556lm, 15W	5G250 <sup>2</sup> 2477lm, 24W	5G350 3468lm, 33W	5G450 4459lm, 42W			<sup>2</sup> Not Available with DM, HL30, or HL50 <sup>*</sup> Based on R2 distribution and 3000K CCT	
Power Cord Length	8 8'	10 10'	12 12'	14 14'	16 16'	18 18'	XX <sup>3</sup> XX'	<sup>3</sup> 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 <sup>4,5</sup>	480 <sup>4,5</sup>		<sup>4</sup> Not available with HL30 or HL50 <sup>5</sup> Requires stepdown transformer, 60 Hz only
Options	DM Dimming (0-10V)	HL30 <sup>6,7</sup> Hi-Lo Switching 30-100%	HL50 <sup>6,7</sup> Hi-Lo Switching 50-100%	HS* House Side Shield				<sup>6</sup> 120, 240, and 277V Only <sup>7</sup> Not available with DM option <sup>*</sup> 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

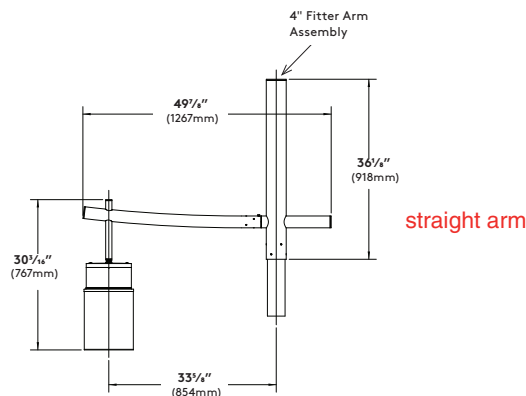
Lanova LED

selux

Type:

ALP01

Page 2 of 12



Net Weight (19.5 lbs)  
EPA = 0.68 ft<sup>2</sup>

**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](http://selux.us) for our LED End of Life recycling policy.**

ARUP

Project Number: 271565

Phone: 1 212 896 3000

Lanova LED

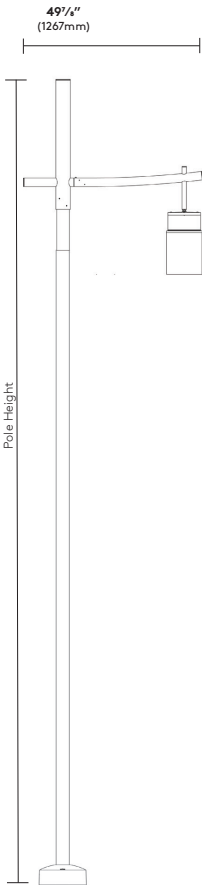
Mounting

selux

Type:  
**ALP01**  
Page 3 of 12

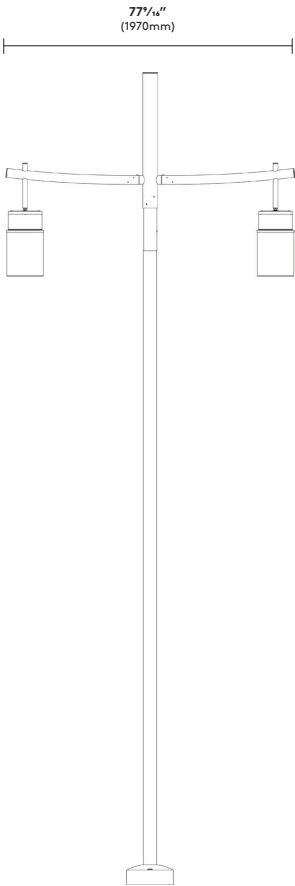
1 - Single Arm

EPA = 1.57ft<sup>2</sup>  
Weight = 32lbs. (15kg)



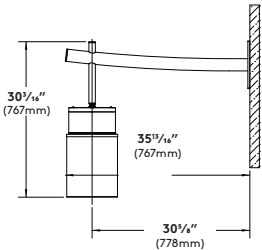
2 - Double Arm

EPA = 1.3ft<sup>2</sup>  
Weight = 55lbs. (25kg)



W - Wall Mount Arm

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



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

Lanova LED

selux

Type:

ALP01

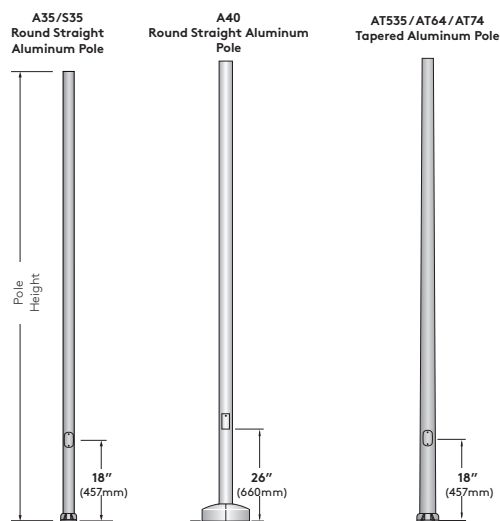
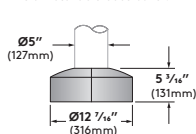
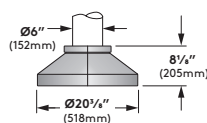
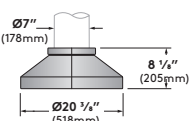
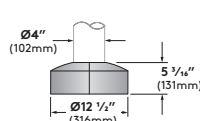
Page 4 of 12

**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.

<b>Pole Data Chart</b>		<b>Bolt Circle</b>											<b>Height</b>	<b>Finish</b>	<b>Options</b>
<b>Pole Series</b>			<b>90 mph</b>	<b>100 mph</b>	<b>110 mph</b>	<b>120 mph</b>	<b>130 mph</b>	<b>140 mph</b>	<b>150 mph</b>	<b>160 mph</b>	<b>170 mph</b>	<b>180 mph</b>			
<b>A35</b> 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	<b>WH</b> 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)
<b>A40</b> 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	-		<b>BK</b> Black	
<b>AT535</b> 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	-		<b>BL</b> Semi-Matte Black	
<b>AT64</b> 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	<b>BZ</b> 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
<b>A35</b> 3 1/2" Round Straight Aluminum Pole	7 1/2"	3.5	2.4	1.6	1.0	0.5	-	-	-	-	-	-		<b>SV</b> Silver	
<b>A40</b> 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	-		<b>SP</b> Specify Premium Color	
<b>AT535</b> 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		
<b>AT64</b> 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	-			
<b>A35</b> 3 1/2" Round Straight Aluminum Pole	7 1/2"	2.1	1.2	0.6	-	-	-	-	-	-	-	-			
<b>A40</b> 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		
<b>AT535</b> 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	-			
<b>AT64</b> 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	-			
<b>A40</b> 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		
<b>AT535</b> 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	-			
<b>AT64</b> 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	-			
<b>AT74</b> 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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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)  
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ARUP

Project Number: 271565

Phone: 1 212 896 3000

Lanova LED

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Type:

**ALP01**

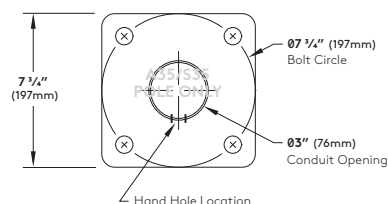
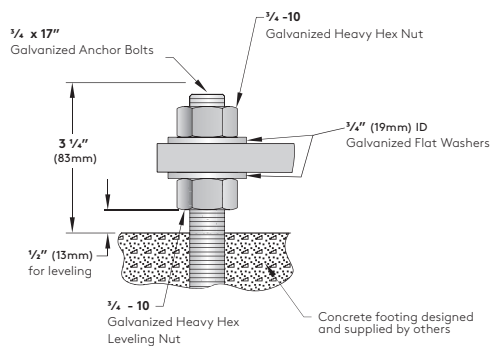
Page 5 of 12

**Pole Information**

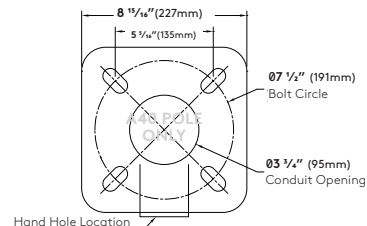
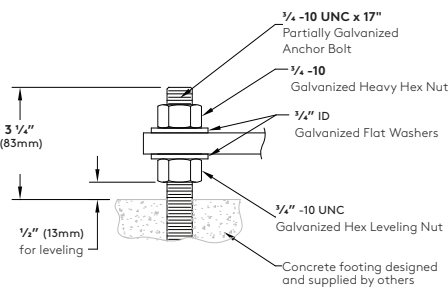
Refer to pole specification sheets for construction details, anchorage information and additional options.

**Bolt Circle for A35 & S35**

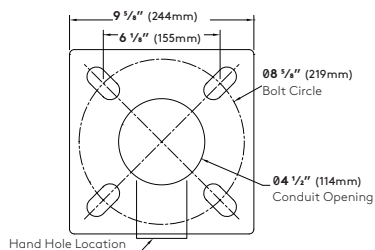
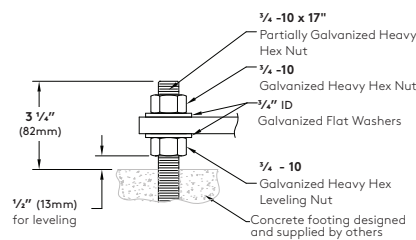
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown

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

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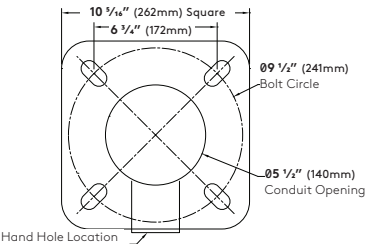
Type:  
**ALP01**  
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**Pole Information**

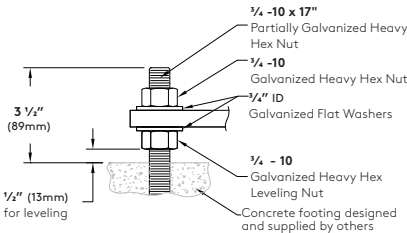
Refer to pole specification sheets for construction details, anchorage information and additional options.

**Bolt Circle for AT64**

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

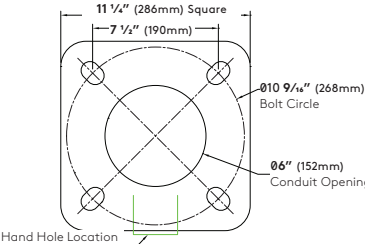


**Anchor Bolt Detail for AT64**

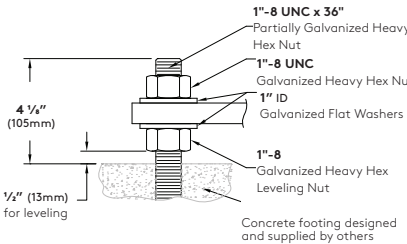


**Bolt Circle for AT74**

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



**Anchor Bolt Detail for AT74**





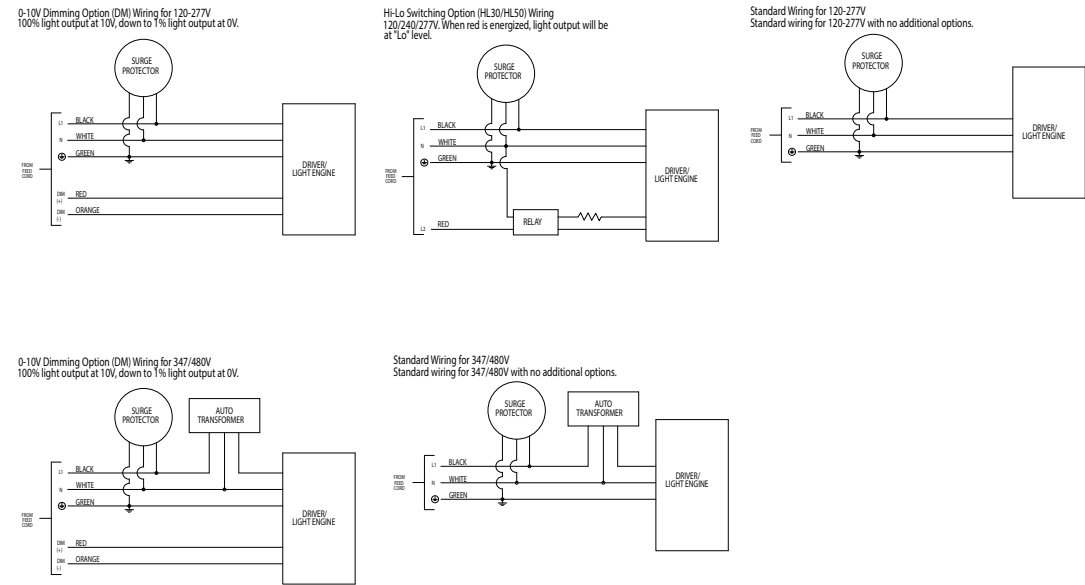
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Type:  
**ALP01**  
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ELECTRICAL SPECIFICATIONS									
CCT	3000K/4000K								
CYLINDER	CL Cylinder Standard						FL Cylinder Standard		
OPTICS	R1, R2, R3, and R4			R5R and R5S			DB		
Light Engine/ 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



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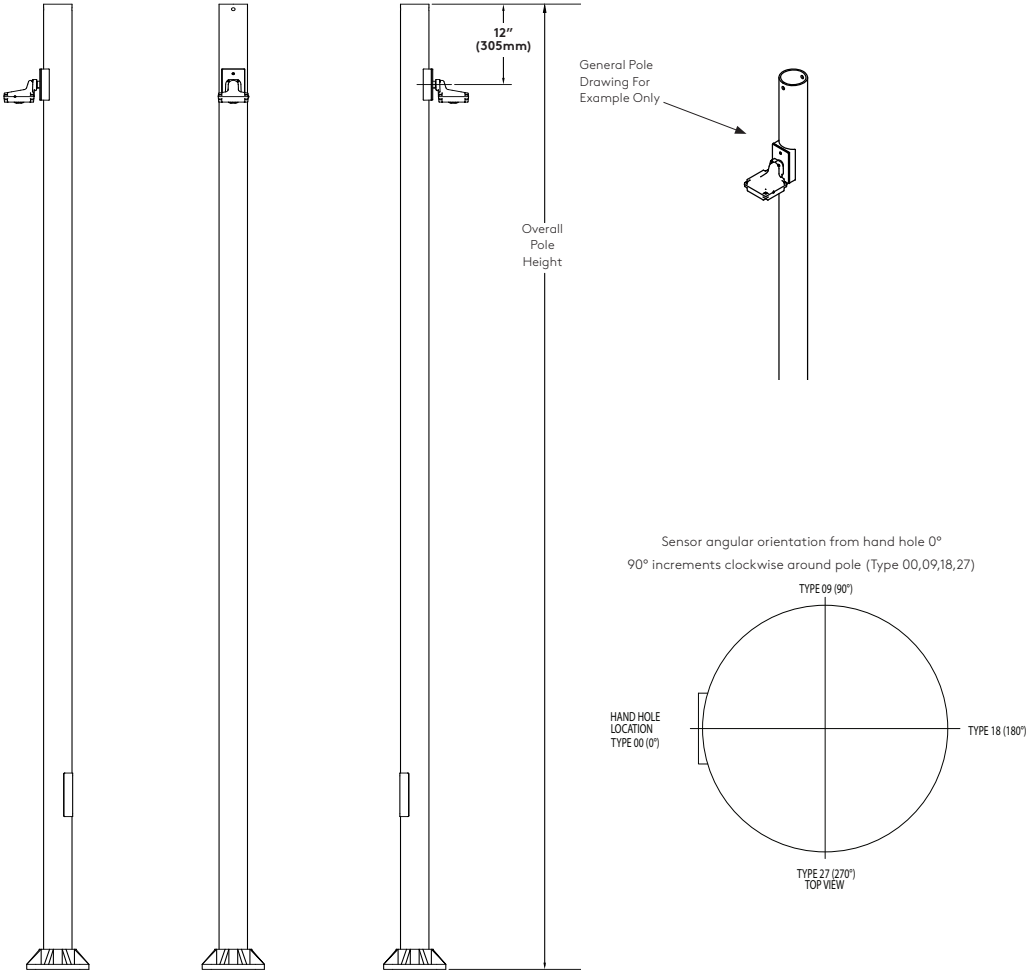
Type:  
**ALP01**  
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Pole Motion Sensor

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.



Lanova LED

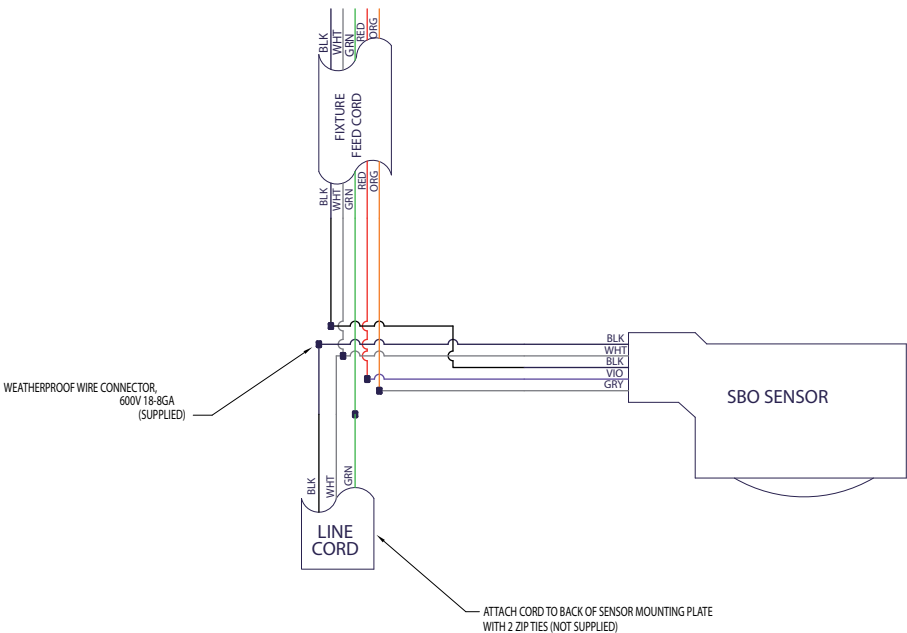
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Type:  
**ALP01**  
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**Pole Motion Sensor**

- 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

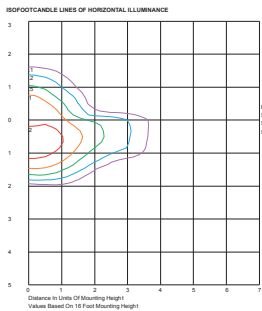
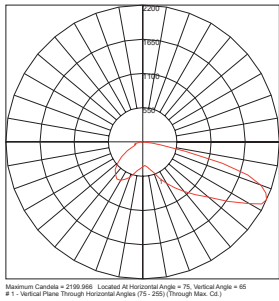
**Motion Sensor Wiring Diagram**



Lanova LED

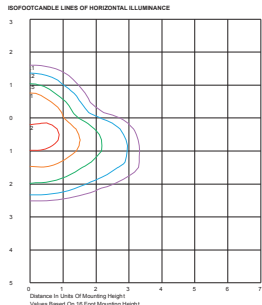
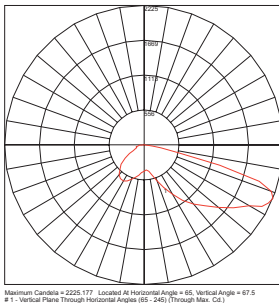
Photometry

R1 / 42.5W LED / 3000K CCT  
Catalog #: LAL-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

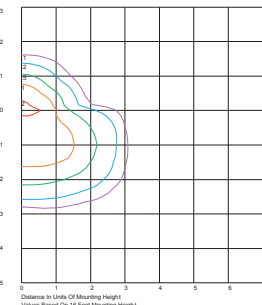
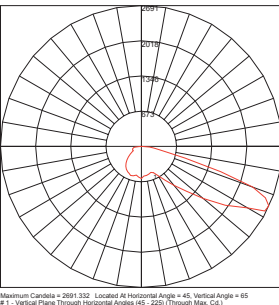


Type:  
**ALP01**  
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R2 / 42.5W LED / 3000K CCT  
Catalog #: LAL-R2-CL-X-5G450-30-XX-120  
Maximum candela of 2225 at 67.5° from vertical.  
Mounting Height = 16' (4.87m)  
3948 Delivered Lumens  
93 Lumens per Watt  
BI-U1-G1



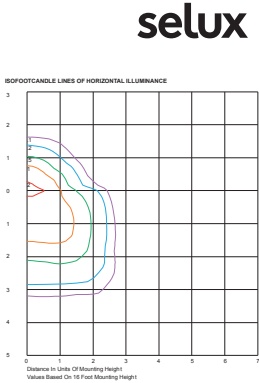
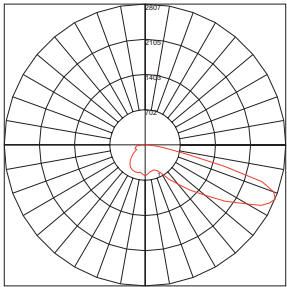
R3 / 42.5W LED / 3000K CCT  
Catalog #: LAL-R3-CL-X-5G450-30-XX-120  
Maximum candela of 2691 at 65° from vertical.  
Mounting Height = 16' (4.87m)  
3948 Delivered Lumens  
93 Lumens per Watt  
BI-U1-G1



Lanova LED

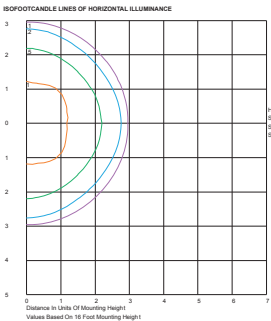
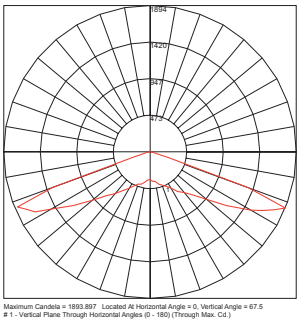
Photometry

R4 / 42.5W LED / 3000K CCT  
Catalog #: LAL-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

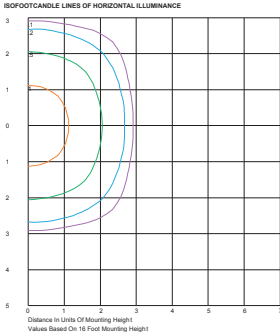
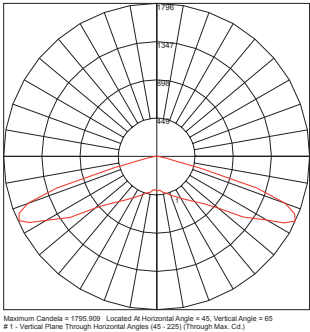


Type:  
**ALP01**  
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R5R/ 42.5W LED / 3000K CCT  
Catalog #: LAL-R4R-CL-X-5G450-30-XX-120  
Maximum candela of 1894 at 67.5° from vertical.  
Mounting Height = 16' (4.87m)  
4463 Delivered Lumens  
105 Lumens per Watt  
B2-U1-G1



R5S/ 42.5W LED / 3000K CCT  
Catalog #: LAL-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

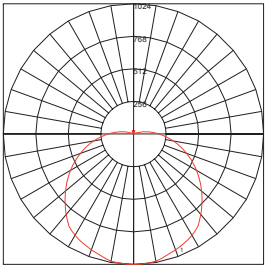


Lanova LED

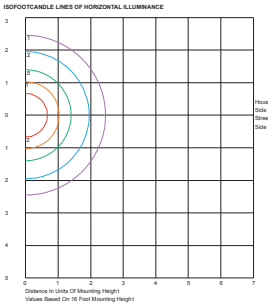
Photometry

DB / 42.5W LED / 3000K CCT  
Catalog #: LAL - 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

DOWNLOAD IES FILES:  
<http://www.selux.us/fileadmin/us/photometry/Exterior/Lanova.zip>



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Type:  
**ALP01**  
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**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 W  
**Lumen Output:** 2477 lumens  
**Lamp CRI:** 80+  
**Control Type:** 0-10V Dimming

**Voltage:** 120 V  
**Fixture Finish:** Silver  
**Lamp CCT:** 3000K

Date: \_\_\_\_\_ Customer: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Type: \_\_\_\_\_ Qty: \_\_\_\_\_

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Type:  
**ALP02**  
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**Lighting Notes:****Lanova LED  
Pole Mount**

straight arm

Order Code: LAL - - - - -

LAL		Pole Order Code: - - - - -						
Series	LAL Lanova LED	Series	Height	Finish	Options			
Optics	<b>R1</b> 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	<b>CL</b> Clear long	FL <sup>1</sup> ½ Frosted Long	CT Clear Tapered	¹ DB optics only				
Light Engine	5G150² 1556lm, 15W	<b>5G250²</b> 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'	XX³ XX'	³ Add length of arm + height of pole to determine power cord length
CCT	<b>30</b> 3000K	40 4000K	for other CCT please consult factory					
Finish	WH White	BK Black	BL Semi-Matte Black	BZ Bronze	<b>SV</b> Silver	SP Specify Premium Color		
Voltage	<b>120</b>	208	240	277	347⁴,⁵	480⁴,⁵	⁴ Not available with HL30 or HL50 ⁵ Requires stepdown transformer, 60 Hz only	
Options	<b>DM</b> Dimming (0-10V)	HL30⁶,⁷ Hi-Lo Switching 30-100%	HL50⁶,⁷ 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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**ARUP**  
 Project Number: 271565  
 Phone: 1 212 896 3000

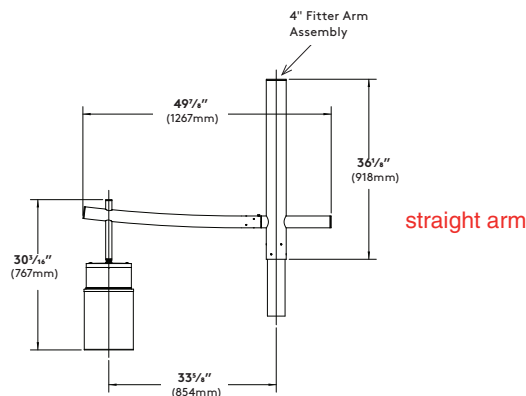
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Type:

ALP02

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Net Weight (19.5 lbs)  
EPA = 0.68 ft<sup>2</sup>

**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](http://selux.us) for our LED End of Life recycling policy.**

ARUP

Project Number: 271565

Phone: 1 212 896 3000



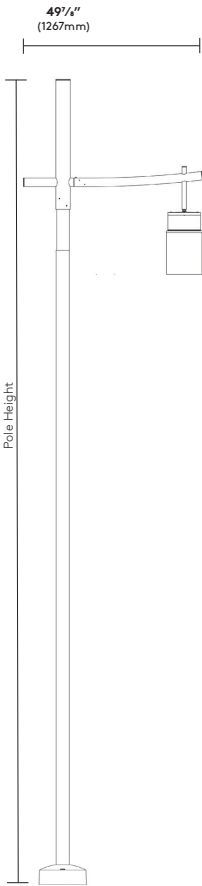
Lanova LED  
  
Mounting

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Type:  
**ALP02**  
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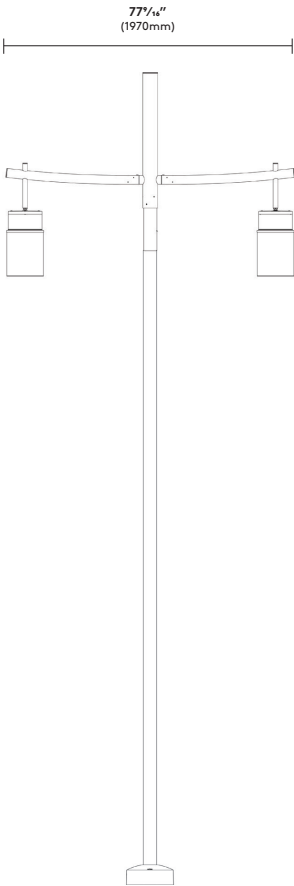
1 - Single Arm

EPA = 1.57ft<sup>2</sup>  
Weight = 32lbs. (15kg)



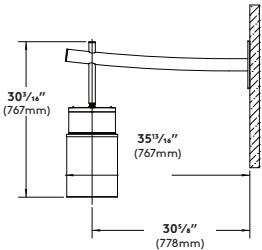
2 - Double Arm

EPA = 1.3ft<sup>2</sup>  
Weight = 55lbs. (25kg)



W - Wall Mount Arm

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



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

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Type:

ALP02

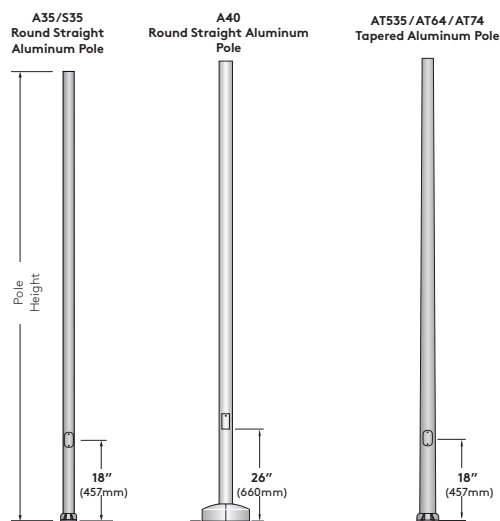
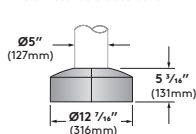
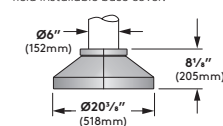
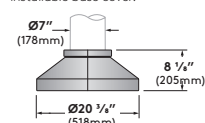
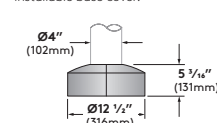
Page 4 of 12

**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.

<b>Pole Data Chart</b>		<b>Bolt Circle</b>											<b>Height</b>	<b>Finish</b>	<b>Options</b>
<b>Pole Series</b>			<b>90 mph</b>	<b>100 mph</b>	<b>110 mph</b>	<b>120 mph</b>	<b>130 mph</b>	<b>140 mph</b>	<b>150 mph</b>	<b>160 mph</b>	<b>170 mph</b>	<b>180 mph</b>			
<b>A35</b> 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	<b>WH</b> 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)
<b>A40</b> 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	-		<b>BK</b> Black	
<b>AT535</b> 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	-		<b>BL</b> Semi-Matte Black	
<b>AT64</b> 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	<b>BZ</b> 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
<b>A35</b> 3 1/2" Round Straight Aluminum Pole	7 1/2"	3.5	2.4	1.6	1.0	0.5	-	-	-	-	-	-		<b>SV</b> Silver	
<b>A40</b> 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	-		<b>SP</b> Specify Premium Color	
<b>AT535</b> 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		
<b>AT64</b> 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	-			
<b>A35</b> 3 1/2" Round Straight Aluminum Pole	7 1/2"	2.1	1.2	0.6	-	-	-	-	-	-	-	-			
<b>A40</b> 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		
<b>AT535</b> 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	-			
<b>AT64</b> 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	-			
<b>A40</b> 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		
<b>AT535</b> 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	-			
<b>AT64</b> 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	-			
<b>AT74</b> 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.

ARUP

Project Number: 271565

Phone: 1 212 896 3000

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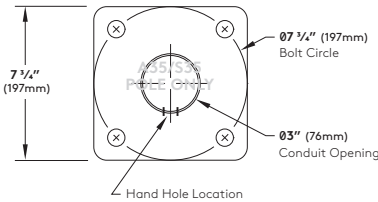
Type:  
**ALP02**  
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**Pole Information**

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

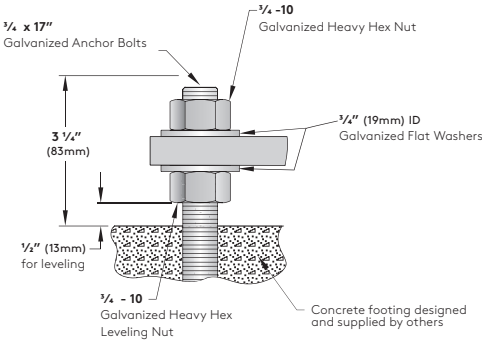
**Bolt Circle for A35 & S35**

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



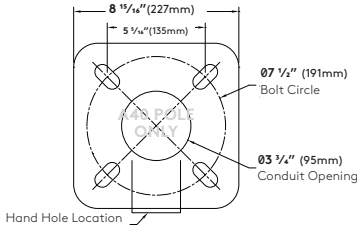
Note: Adequate drainage must be provided in concrete foundation.

**Anchor Bolt Detail for A35 & S35**



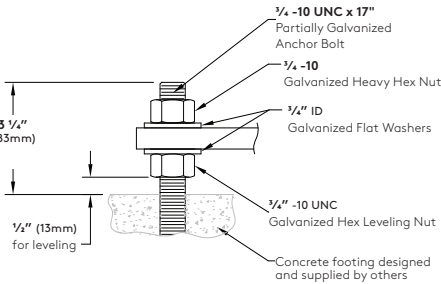
**Bolt Circle for A40**

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



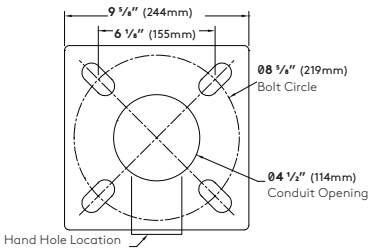
Note: Adequate drainage must be provided in concrete foundation.

**Anchor Bolt Detail for A40**

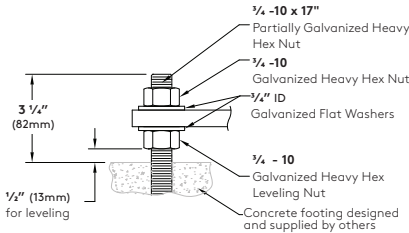


**Bolt Circle for AT535**

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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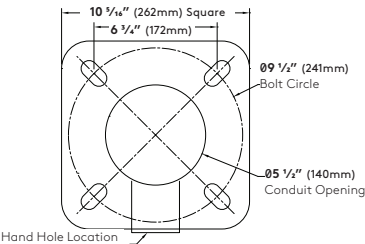
Type:  
**ALP02**  
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**Pole Information**

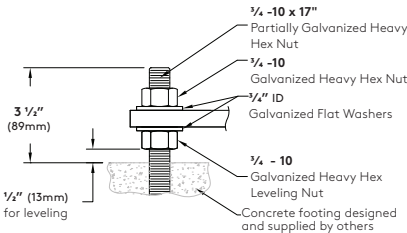
Refer to pole specification sheets for construction details, anchorage information and additional options.

**Bolt Circle for AT64**

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

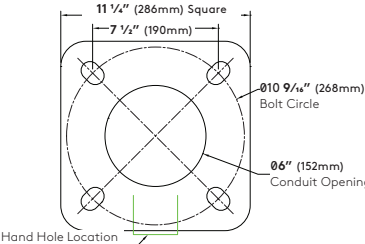


**Anchor Bolt Detail for AT64**

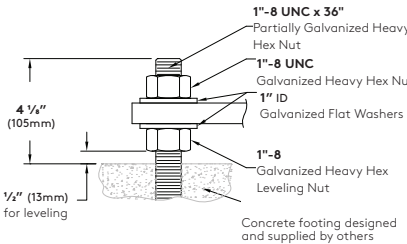


**Bolt Circle for AT74**

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



**Anchor Bolt Detail for AT74**



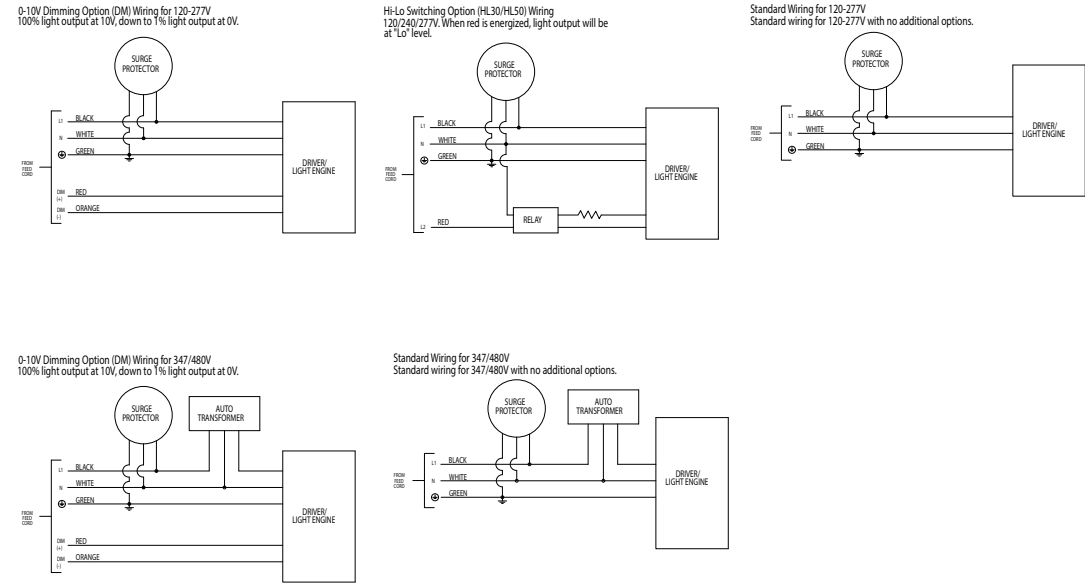
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Type:  
**ALP02**  
Page 7 of 12

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



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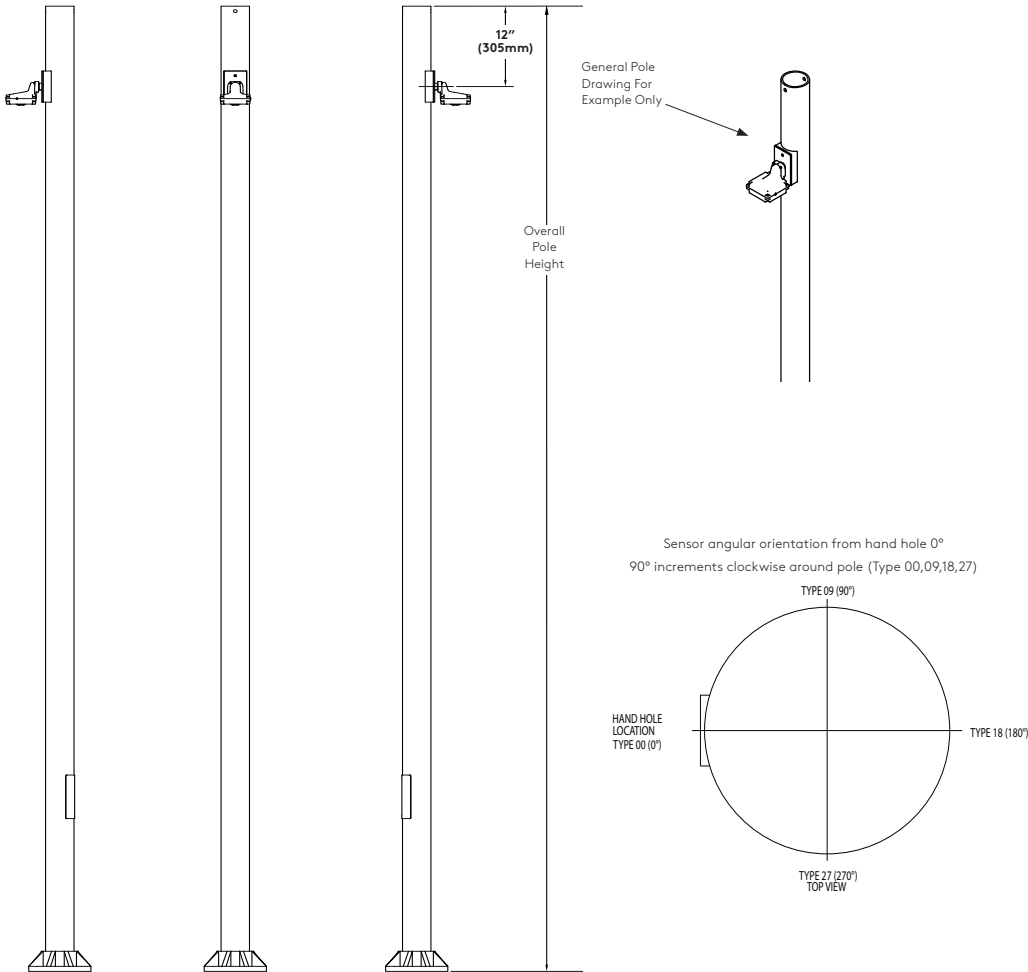
Type:  
**ALP02**  
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Pole Motion Sensor

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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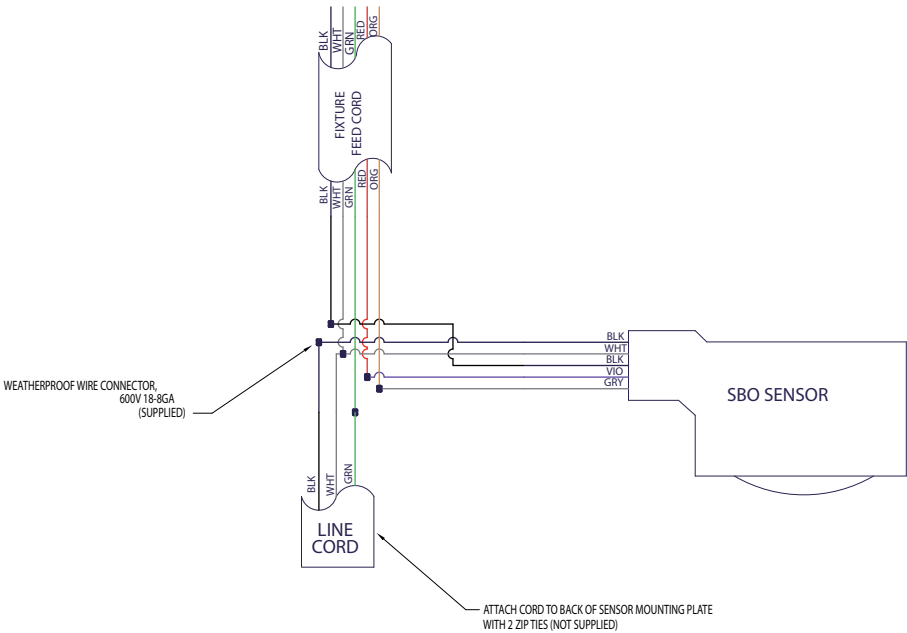
**selux**

Type:  
**ALP02**  
Page 9 of 12

**Pole Motion Sensor**

- 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

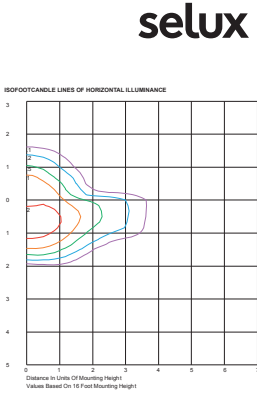
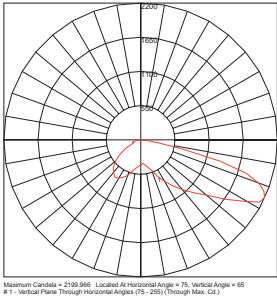
**Motion Sensor Wiring Diagram**



Lanova LED

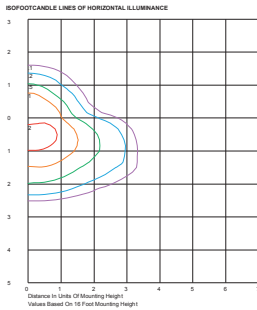
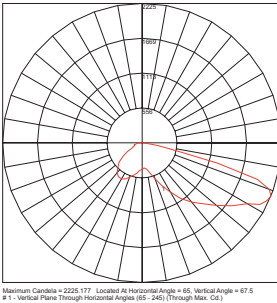
Photometry

R1 / 42.5W LED / 3000K CCT  
Catalog #: LAL-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

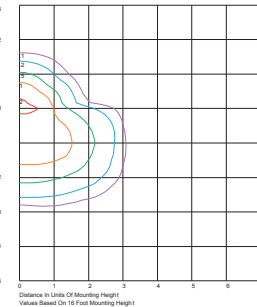
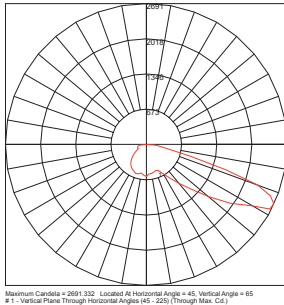


Type:  
**ALP02**  
Page 10 of 12

R2 / 42.5W LED / 3000K CCT  
Catalog #: LAL-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 #: LAL-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

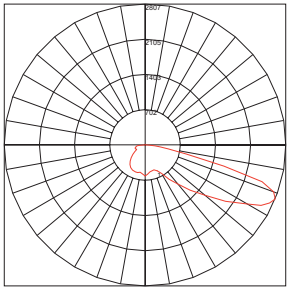




Lanova LED

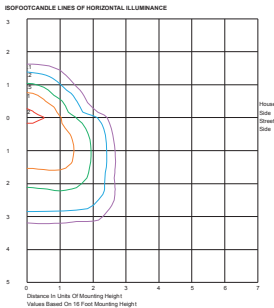
Photometry

R4 / 42.5W LED / 3000K CCT  
Catalog #: LAL-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



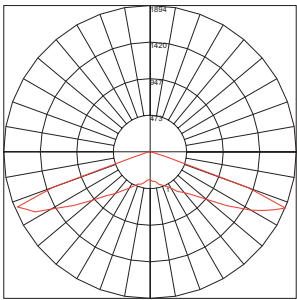
Maximum Candela = 2807 Located At Horizontal Angle = 35, Vertical Angle = 67.5  
# 1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)

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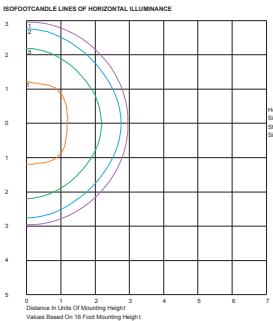


Type:  
**ALP02**  
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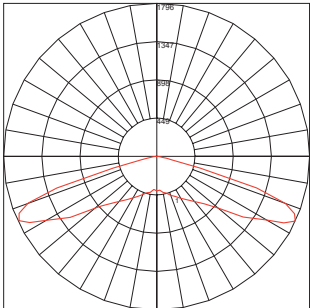
R5R/ 42.5W LED / 3000K CCT  
Catalog #: LAL-R4R-CL-X-5G450-30-XX-120  
Maximum candela of 1894 at 67.5° from vertical.  
Mounting Height = 16' (4.87m)  
4463 Delivered Lumens  
105 Lumens per Watt  
B2-U1-G1



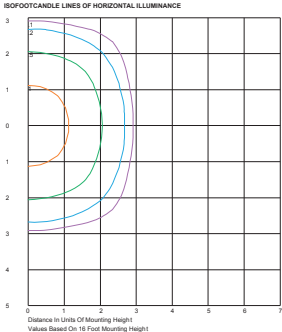
Maximum Candela = 1894 Located At Horizontal Angle = 0, Vertical Angle = 67.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)



R5S/ 42.5W LED / 3000K CCT  
Catalog #: LAL-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 = 1796 Located At Horizontal Angle = 45, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)

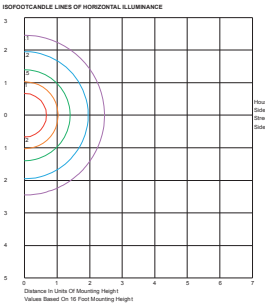
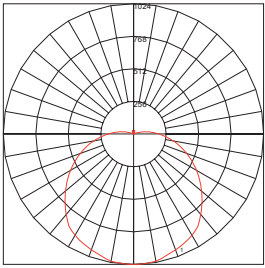


Lanova LED

Photometry

DB / 42.5W LED / 3000K CCT  
Catalog #: LAL - 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

DOWNLOAD IES FILES:  
<http://www.selux.us/fileadmin/us/photometry/Exterior/Lanova.zip>



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Type:  
**ALP02**  
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**ARUP**  
Project Number: 271565  
Phone: 1 212 896 3000

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

**Fixture Wattage:** 24 W W  
**Lumen Output:** 2477 lumens  
**Lamp CRI:** 80+  
**Control Type:** 0-10V Dimming

**Voltage:** 120 V  
**Fixture Finish:** Silver  
**Lamp CCT:** 3000K

Date: \_\_\_\_\_ Customer: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Type: \_\_\_\_\_ Qty: \_\_\_\_\_

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Type:  
**ALP03**

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**Lighting Notes:**

**Lanova LED  
Pole Mount**



straight arm

Order Code: LAL - - - - -

		Pole Order Code: - - - - -							
LAL	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 <sup>1</sup> ½ Frosted Long	CT Clear Tapered						<sup>1</sup> DB optics only
Light Engine	5G150 <sup>2</sup> 1556lm, 15W	5G250 <sup>2</sup> 2477lm, 24W	5G350 3468lm, 33W	5G450 4459lm, 42W					<sup>2</sup> Not Available with DM, HL30, or HL50 <sup>*</sup> Based on R2 distribution and 3000K CCT
Power Cord Length	8 8'	10 10'	12 12'	14 14'	16 16'	18 18'	XX <sup>3</sup> XX'	<sup>3</sup> 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 <sup>4,5</sup>	480 <sup>4,5</sup>	<sup>4</sup> Not available with HL30 or HL50 <sup>5</sup> Requires stepdown transformer, 60 Hz only		
Options	DM Dimming (0-10V)	HL30 <sup>6,7</sup> Hi-Lo Switching 30-100%	HL50 <sup>6,7</sup> Hi-Lo Switching 50-100%	HS* House Side Shield					<sup>6</sup> 120, 240, and 277V Only <sup>7</sup> Not available with DM option <sup>*</sup> 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

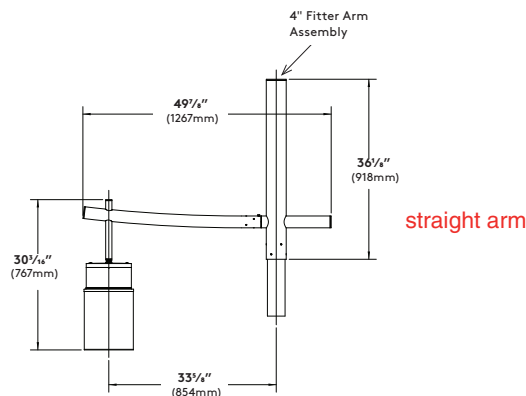
Lanova LED

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Type:

ALP03

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Net Weight (19.5 lbs)  
EPA = 0.68 ft<sup>2</sup>

**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](http://selux.us) for our LED End of Life recycling policy.**

ARUP

Project Number: 271565

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Lanova LED

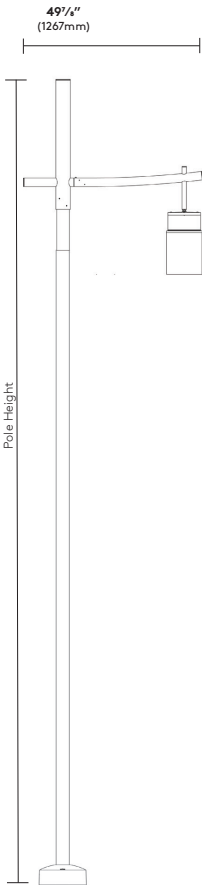
Mounting

selux

Type:  
**ALP03**  
Page 3 of 12

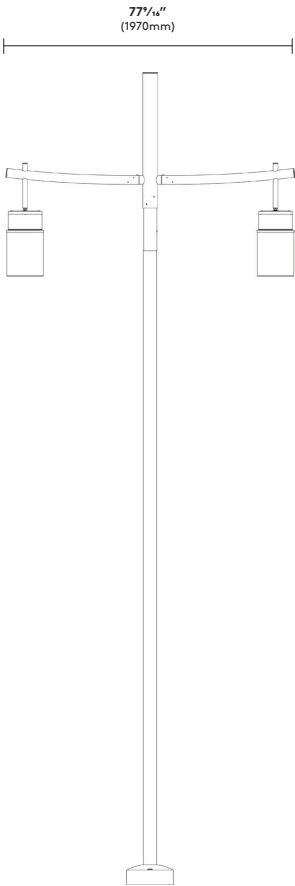
1 - Single Arm

EPA = 1.57ft<sup>2</sup>  
Weight = 32lbs. (15kg)



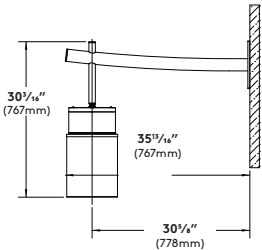
2 - Double Arm

EPA = 1.3ft<sup>2</sup>  
Weight = 55lbs. (25kg)



W - Wall Mount Arm

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



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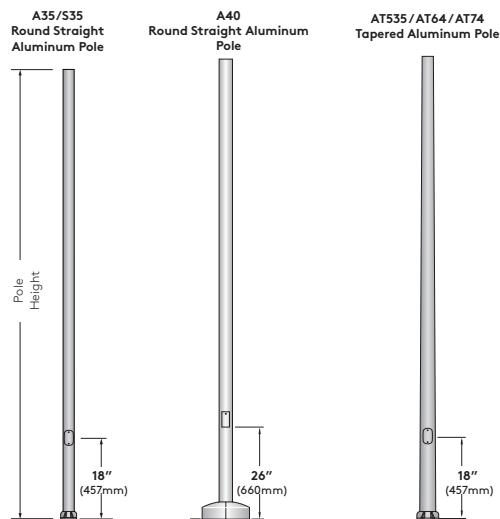
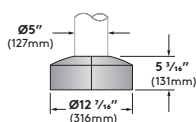
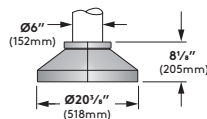
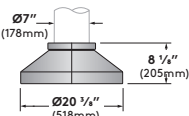
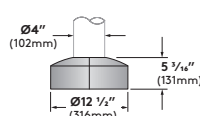
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**Pole Information**

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.

<b>Pole Data Chart</b>		<b>Bolt Circle</b>											<b>Height</b>	<b>Finish</b>	<b>Options</b>
<b>Pole Series</b>			<b>90 mph</b>	<b>100 mph</b>	<b>110 mph</b>	<b>120 mph</b>	<b>130 mph</b>	<b>140 mph</b>	<b>150 mph</b>	<b>160 mph</b>	<b>170 mph</b>	<b>180 mph</b>			
<b>A35</b> 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	<b>WH</b> 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)
<b>A40</b> 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	-		<b>BK</b> Black	
<b>AT535</b> 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	-		<b>BL</b> Semi-Matte Black	
<b>AT64</b> 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	<b>BZ</b> 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
<b>A35</b> 3 1/2" Round Straight Aluminum Pole	7 1/2"	3.5	2.4	1.6	1.0	0.5	-	-	-	-	-	-		<b>SV</b> Silver	
<b>A40</b> 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	-		<b>SP</b> Specify Premium Color	
<b>AT535</b> 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		
<b>AT64</b> 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	-			
<b>A35</b> 3 1/2" Round Straight Aluminum Pole	7 1/2"	2.1	1.2	0.6	-	-	-	-	-	-	-	-			
<b>A40</b> 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		
<b>AT535</b> 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	-			
<b>AT64</b> 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	-			
<b>A40</b> 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		
<b>AT535</b> 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	-			
<b>AT64</b> 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	-			
<b>AT74</b> 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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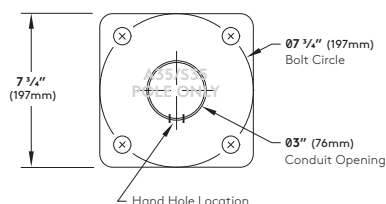
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**Pole Information**

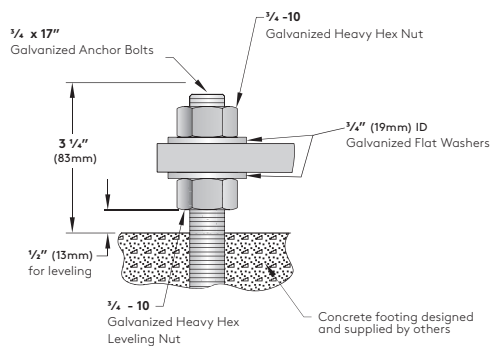
Refer to pole specification sheets for construction details, anchorage information and additional options.

**Bolt Circle for A35 & S35**

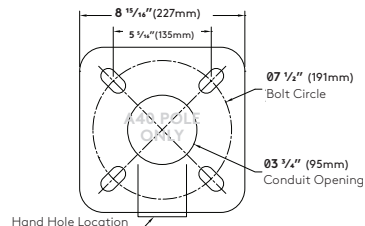
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



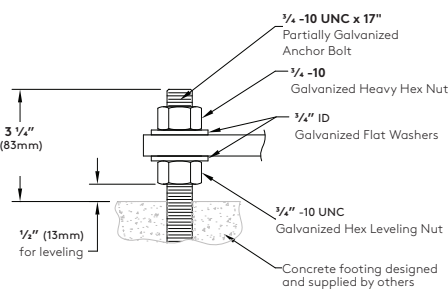
Note: Adequate drainage must be provided in concrete foundation.

**Anchor Bolt Detail for A35 & S35****Bolt Circle for A40**

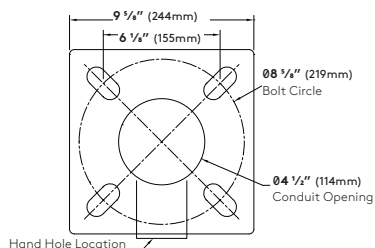
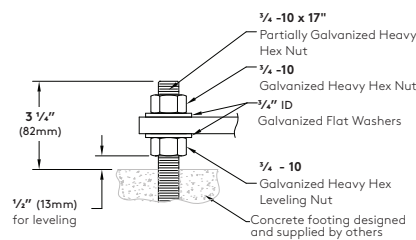
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



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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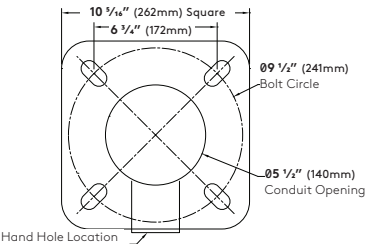
Type:  
**ALP03**  
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**Pole Information**

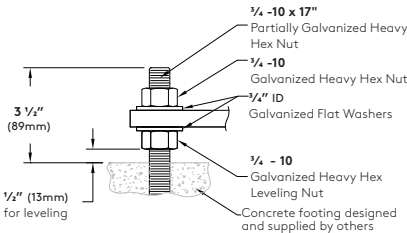
Refer to pole specification sheets for construction details, anchorage information and additional options.

**Bolt Circle for AT64**

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

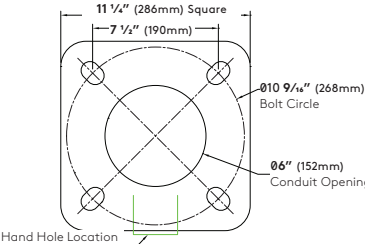


**Anchor Bolt Detail for AT64**

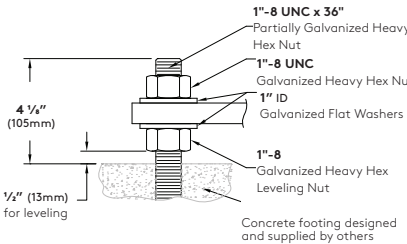


**Bolt Circle for AT74**

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



**Anchor Bolt Detail for AT74**





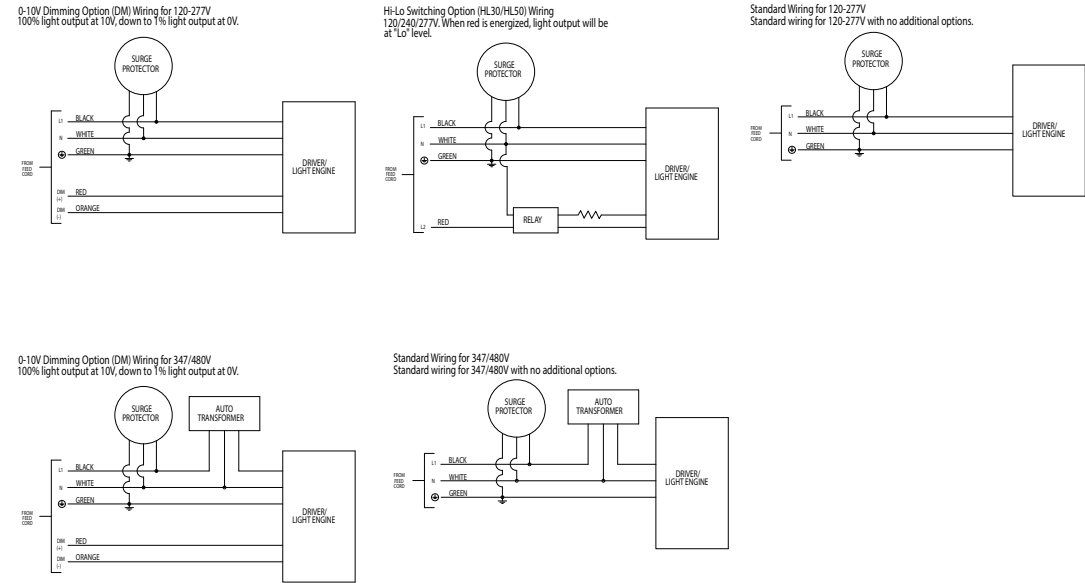
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Type:  
**ALP03**  
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ELECTRICAL SPECIFICATIONS									
CCT	3000K/4000K								
CYLINDER	CL Cylinder Standard						FL Cylinder Standard		
OPTICS	R1, R2, R3, and R4			R5R and R5S			DB		
Light Engine/ 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



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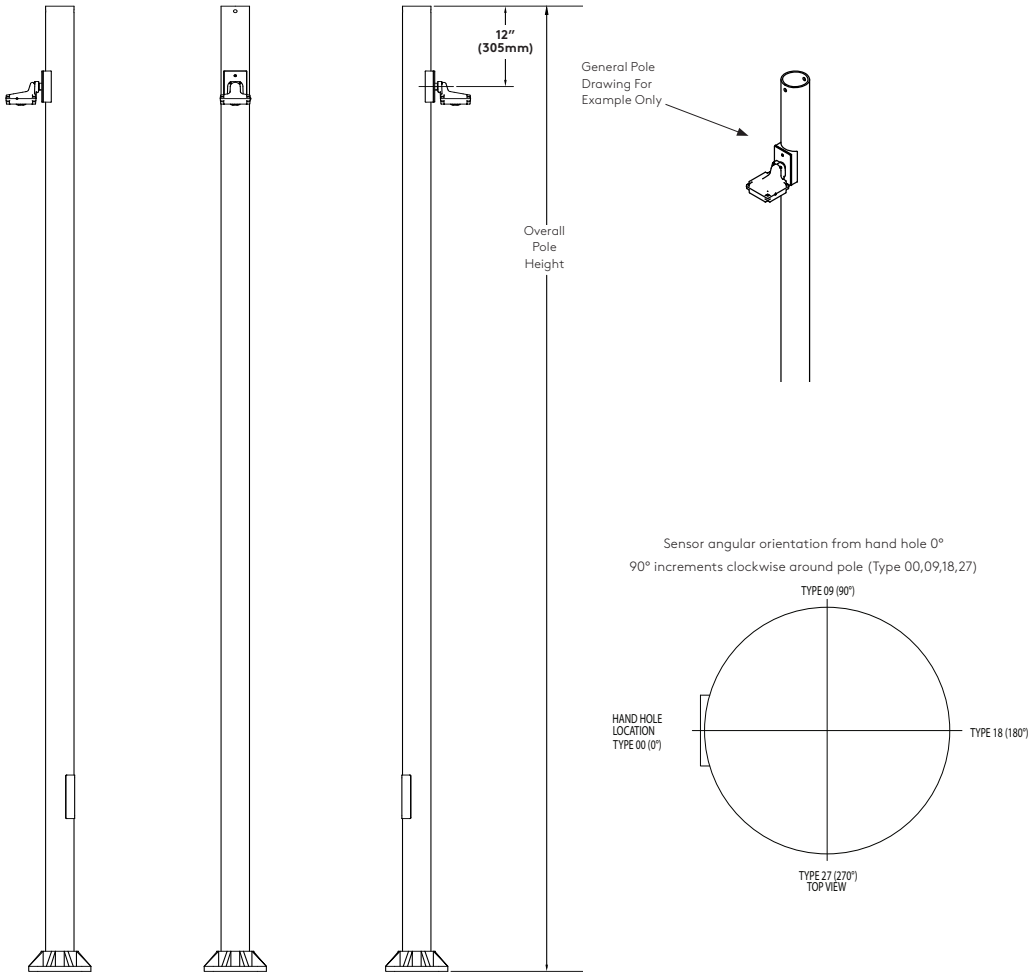
Type:  
**ALP03**  
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Pole Motion Sensor

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.



Lanova LED

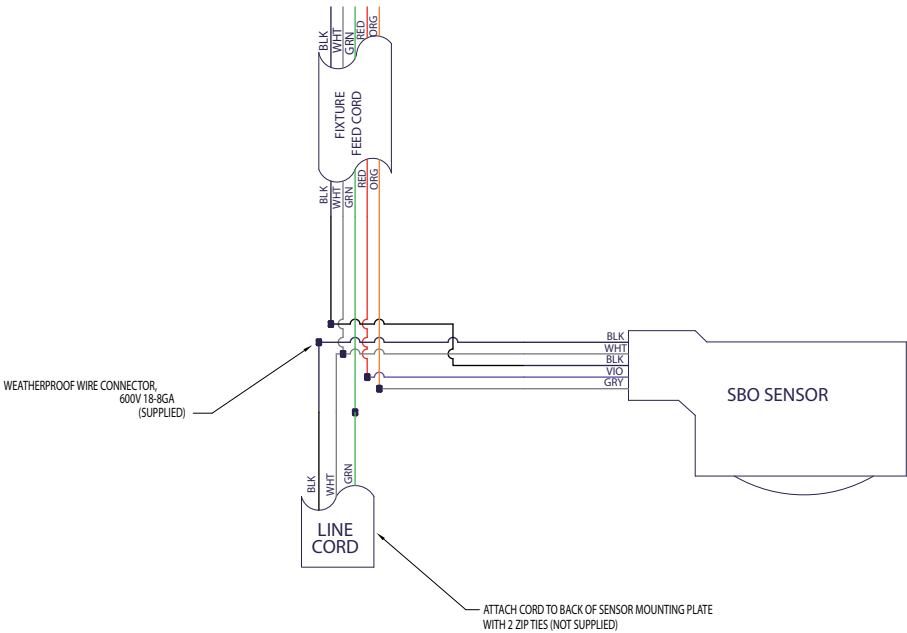
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Type:  
**ALP03**  
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**Pole Motion Sensor**

- 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

**Motion Sensor Wiring Diagram**

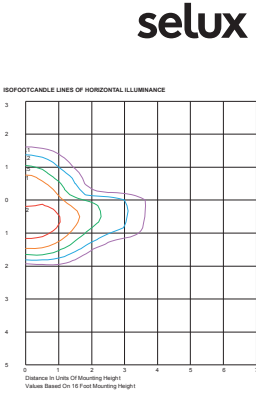
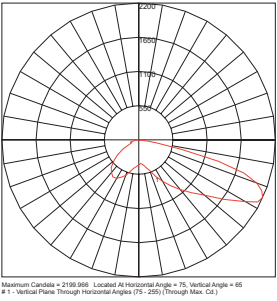


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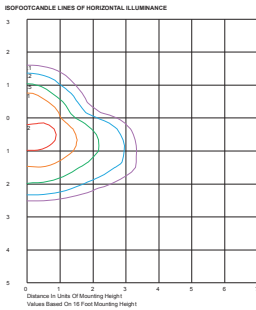
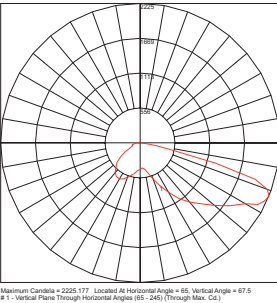
Photometry

R1 / 42.5W LED / 3000K CCT  
Catalog #: LAL-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

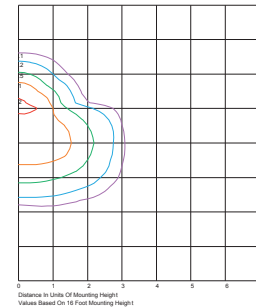
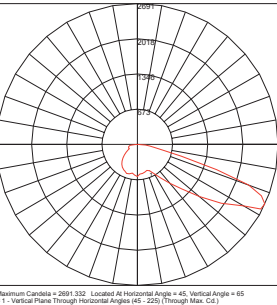


Type:  
**ALP03**  
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R2 / 42.5W LED / 3000K CCT  
Catalog #: LAL-R2-CL-X-5G450-30-XX-120  
Maximum candela of 2225 at 67.5° from vertical.  
Mounting Height = 16' (4.87m)  
3948 Delivered Lumens  
93 Lumens per Watt  
BI-U1-G1



R3 / 42.5W LED / 3000K CCT  
Catalog #: LAL-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

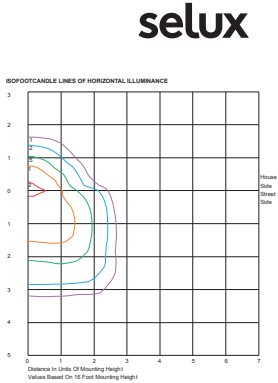
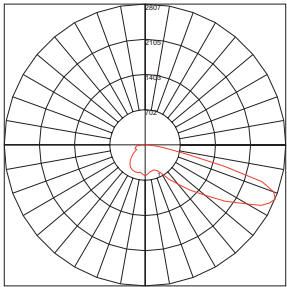


**ARUP**  
Project Number: 271565  
Phone: 1 212 896 3000

Lanova LED

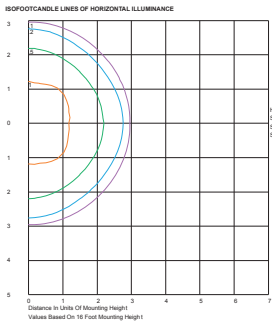
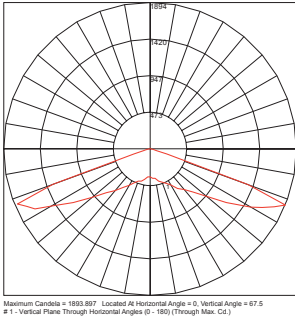
Photometry

R4 / 42.5W LED / 3000K CCT  
Catalog #: LAL-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

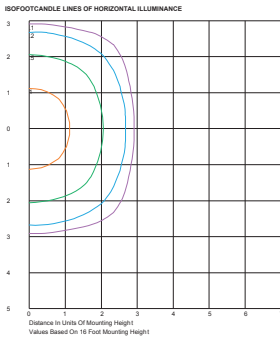
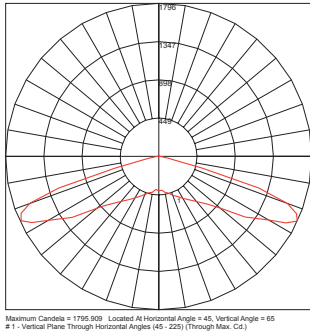


Type:  
**ALP03**  
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R5R/ 42.5W LED / 3000K CCT  
Catalog #: LAL-R4R-CL-X-5G450-30-XX-120  
Maximum candela of 1894 at 67.5° from vertical.  
Mounting Height = 16' (4.87m)  
4463 Delivered Lumens  
105 Lumens per Watt  
B2-U1-G1



R5S/ 42.5W LED / 3000K CCT  
Catalog #: LAL-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

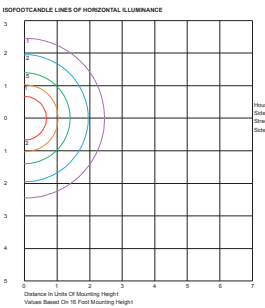
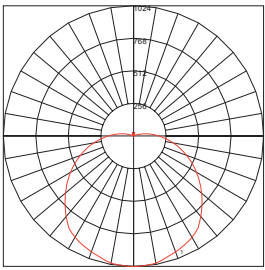


Lanova LED

Photometry

DB / 42.5W LED / 3000K CCT  
Catalog #: LAL - 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

DOWNLOAD IES FILES:  
<http://www.selux.us/fileadmin/us/photometry/Exterior/Lanova.zip>



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Type:  
**ALP03**  
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**ARUP**  
Project Number: 271565  
Phone: 1 212 896 3000

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

**Fixture Wattage:** 15 W W  
**Lumen Output:** 1556 lumens  
**Lamp CRI:** 80+  
**Control Type:** 0-10V Dimming

**Voltage:** 120 V  
**Fixture Finish:** Silver  
**Lamp CCT:** 3000K

Date: \_\_\_\_\_ Customer: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Type: \_\_\_\_\_ Qty: \_\_\_\_\_

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Type:  
**ALP04**  
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**Lighting Notes:****Lanova LED Pole Mount**

straight arm

Order Code: LAL - - - - -

LAL		Pole Order Code: - - - - -					
Series	LAL	Series	Height	Finish	Options		
Lanova LED							
Optics	<b>R1</b> 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	<b>CL</b> Clear long	FL <sup>1</sup> 1/2 Frosted Long	CT Clear Tapered	<sup>1</sup> DB optics only			
Light Engine	<b>5G150<sup>2</sup></b> 1556lm, 15W	5G250 <sup>2</sup> 2477lm, 24W	5G350 3468lm, 33W	5G450 4459lm, 42W	<sup>2</sup> Not Available with DM, HL30, or HL50 <sup>3</sup> Based on R2 distribution and 3000K CCT		
Power Cord Length	8 8'	10 10'	12 12'	14 14'	16 16'	18 18'	XX <sup>3</sup> XX'
CCT	<b>30</b> 3000K	40 4000K	for other CCT please consult factory				
Finish	WH White	BK Black	BL Semi-Matte Black	BZ Bronze	<b>SV</b> Silver	SP Specify Premium Color	
Voltage	<b>120</b>	208	240	277	347 <sup>4,5</sup>	480 <sup>4,5</sup>	<sup>4</sup> Not available with HL30 or HL50 <sup>5</sup> Requires stepdown transformer, 60 Hz only
Options	<b>DM</b> Dimming (0-10V)	HL30 <sup>6,7</sup> Hi-Lo Switching 30-100%	HL50 <sup>6,7</sup> Hi-Lo Switching 50-100%	HS* House Side Shield	<sup>6</sup> 120, 240, and 277V Only <sup>7</sup> 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

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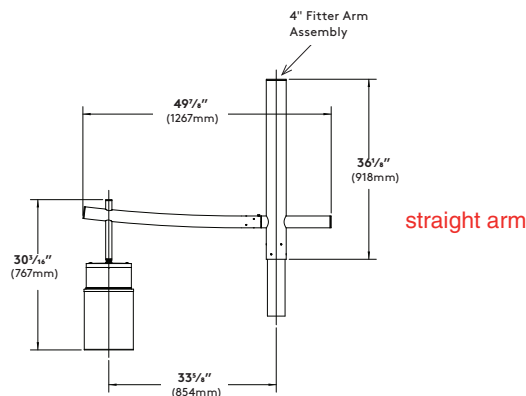
Lanova LED

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Type:

ALP04

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Net Weight (19.5 lbs)  
EPA = 0.68 ft<sup>2</sup>

**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](http://selux.us) for our LED End of Life recycling policy.**

ARUP

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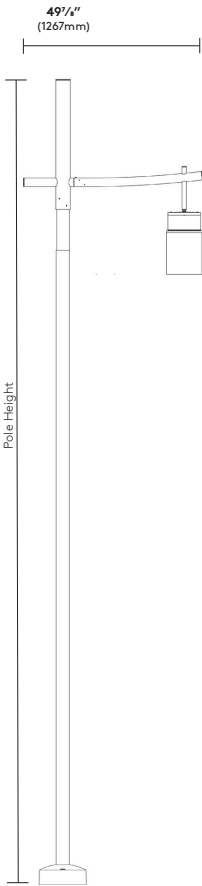
Lanova LED  
  
Mounting

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Type:  
**ALP04**  
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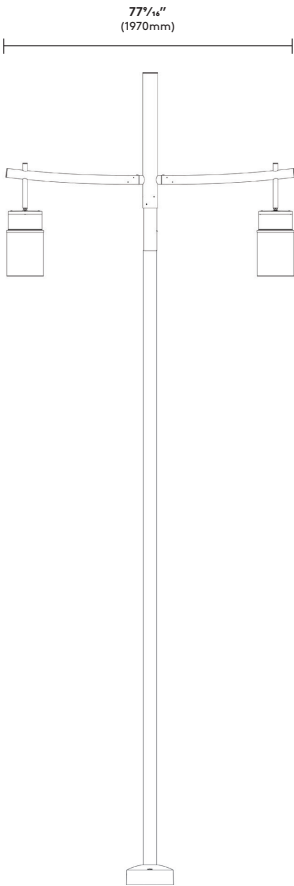
1 - Single Arm

EPA = 1.57ft<sup>2</sup>  
Weight = 32lbs. (15kg)



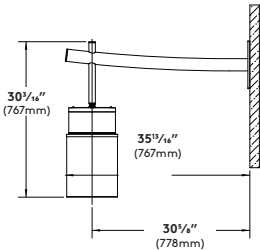
2 - Double Arm

EPA = 1.3ft<sup>2</sup>  
Weight = 55lbs. (25kg)



W - Wall Mount Arm

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



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Type:

ALP04

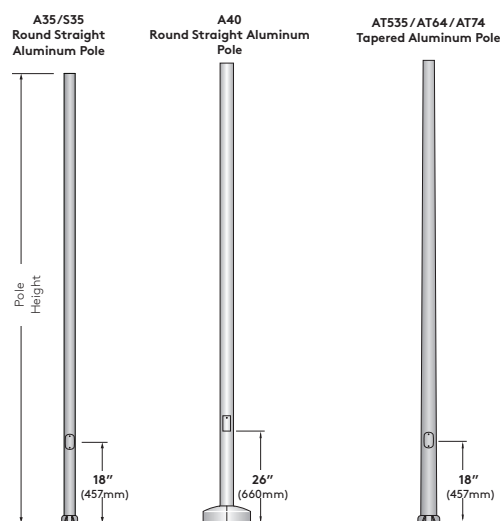
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**Pole Information**

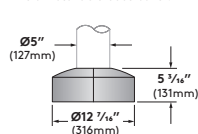
Refer to pole specification sheets for construction details, anchorage information and additional options.

**Optional Base Covers for Poles**

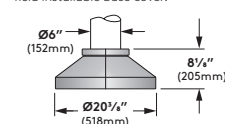
Die cast aluminum.



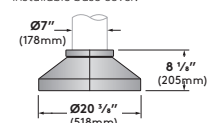
**BC3 Optional Base Cover (AT535)**  
Die cast aluminum, two-piece field installable base cover.



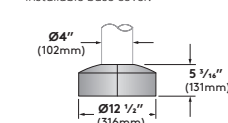
**BC9 Optional Base Cover (AT64)**  
Die cast aluminum, two-piece field installable base cover.



**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 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	14 14ft	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		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	-	-	-	-	-	16 16ft	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	18 18ft		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 1/2"	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.

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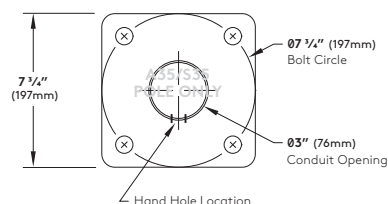
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**Pole Information**

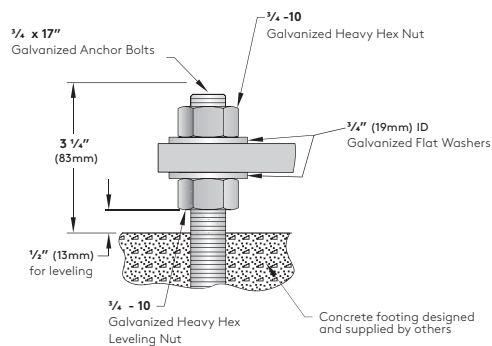
Refer to pole specification sheets for construction details, anchorage information and additional options.

**Bolt Circle for A35 & S35**

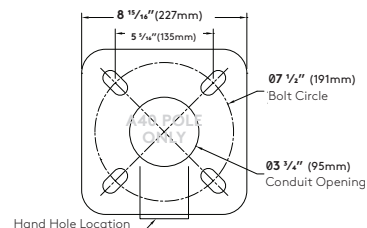
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



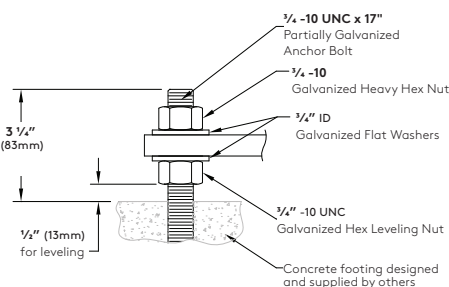
Note: Adequate drainage must be provided in concrete foundation.

**Anchor Bolt Detail for A35 & S35****Bolt Circle for A40**

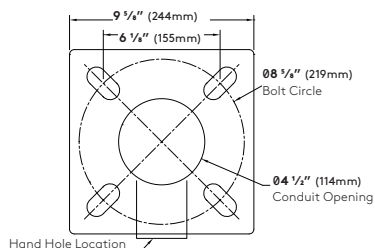
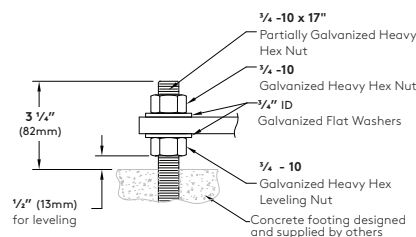
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



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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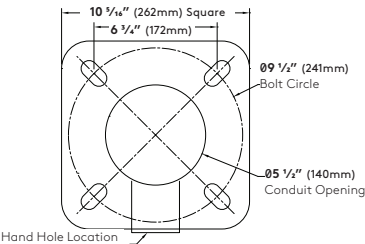
Type:  
**ALP04**  
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**Pole Information**

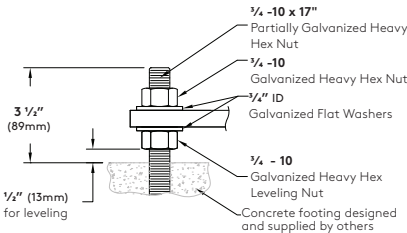
Refer to pole specification sheets for construction details, anchorage information and additional options.

**Bolt Circle for AT64**

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

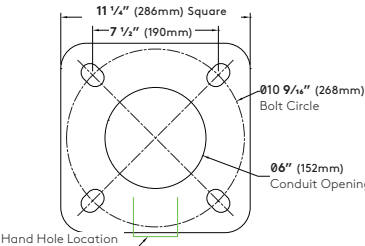


**Anchor Bolt Detail for AT64**

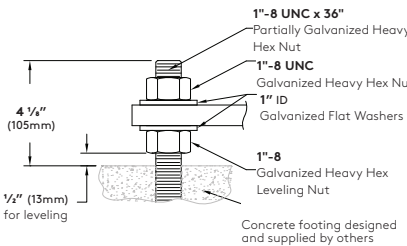


**Bolt Circle for AT74**

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



**Anchor Bolt Detail for AT74**



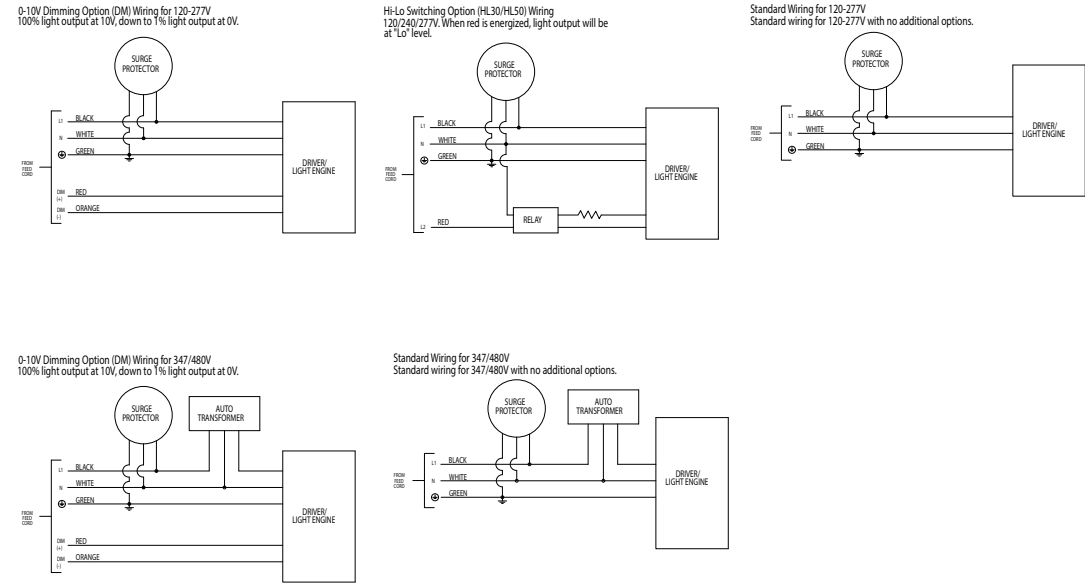
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Type:  
**ALP04**  
Page 7 of 12

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



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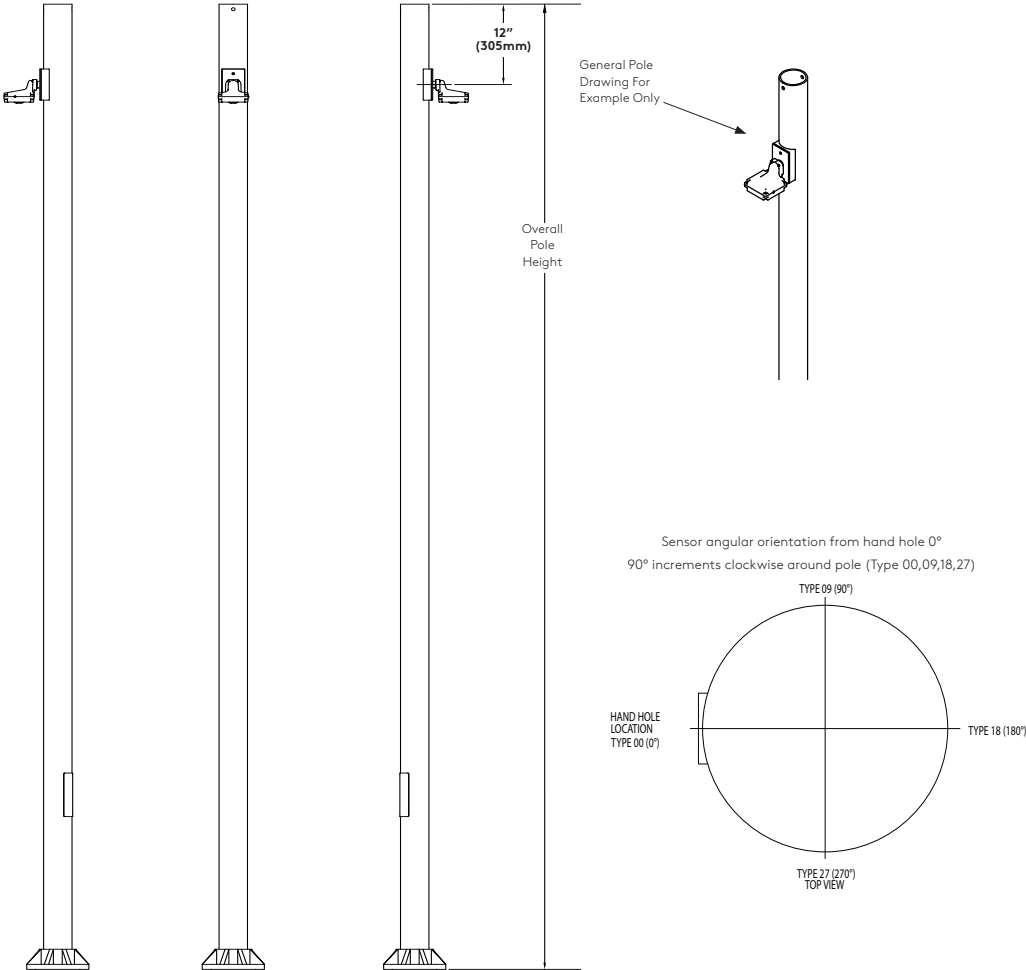
Type:  
**ALP04**  
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Pole Motion Sensor

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.



Lanova LED

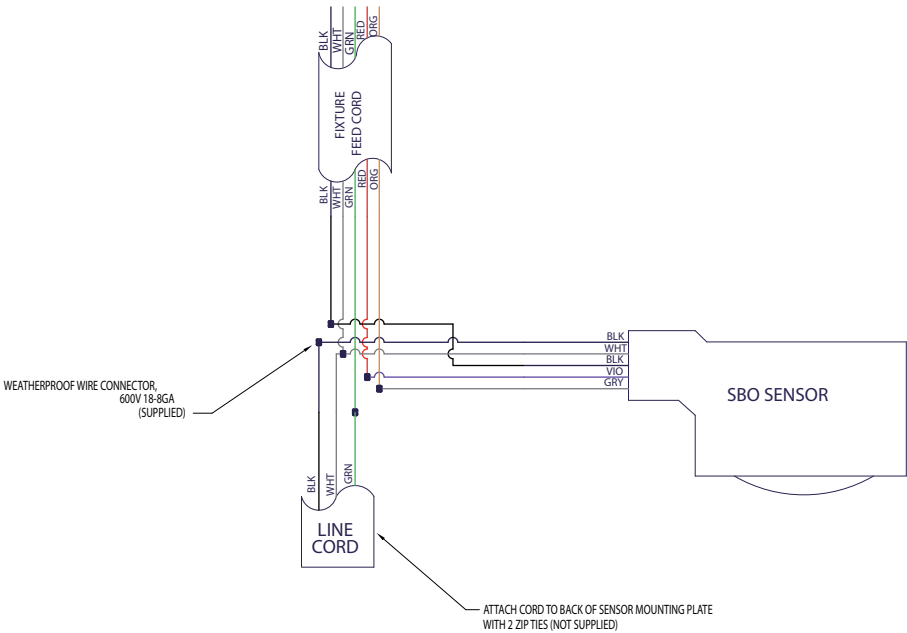
selux

Type:  
**ALP04**  
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**Pole Motion Sensor**

- 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

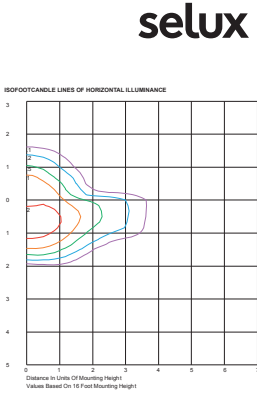
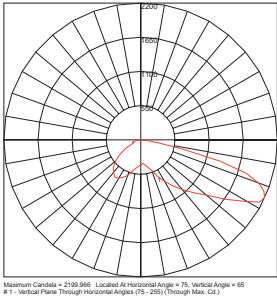
**Motion Sensor Wiring Diagram**



Lanova LED

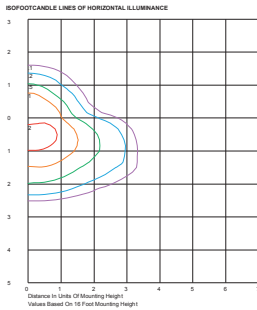
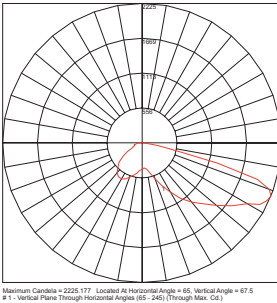
Photometry

R1 / 42.5W LED / 3000K CCT  
Catalog #: LAL-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

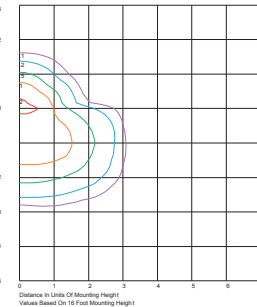
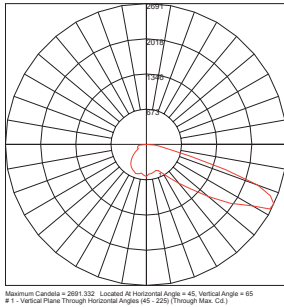


Type:  
**ALP04**  
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R2 / 42.5W LED / 3000K CCT  
Catalog #: LAL-R2-CL-X-5G450-30-XX-120  
Maximum candela of 2225 at 67.5° from vertical.  
Mounting Height = 16' (4.87m)  
3948 Delivered Lumens  
93 Lumens per Watt  
BI-U1-G1



R3 / 42.5W LED / 3000K CCT  
Catalog #: LAL-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



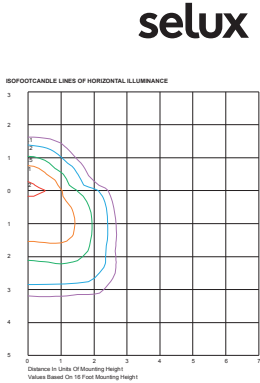
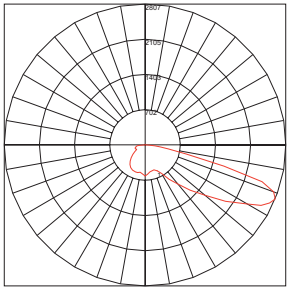
**ARUP**  
Project Number: 271565  
Phone: 1 212 896 3000



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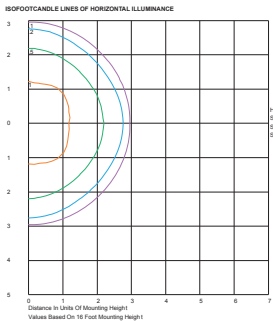
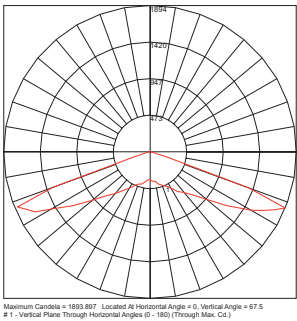
Photometry

R4 / 42.5W LED / 3000K CCT  
Catalog #: LAL-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

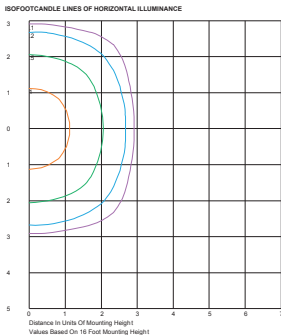
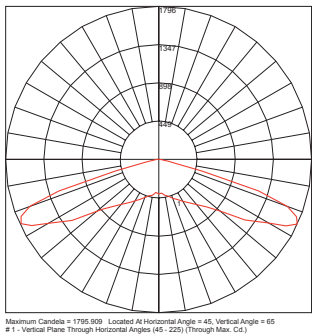


Type:  
**ALP04**  
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R5R/ 42.5W LED / 3000K CCT  
Catalog #: LAL-R4R-CL-X-5G450-30-XX-120  
Maximum candela of 1894 at 67.5° from vertical.  
Mounting Height = 16' (4.87m)  
4463 Delivered Lumens  
105 Lumens per Watt  
B2-U1-G1



R5S/ 42.5W LED / 3000K CCT  
Catalog #: LAL-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

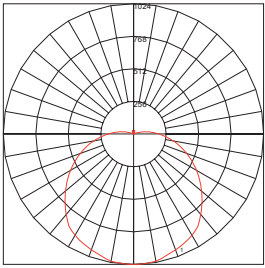


Lanova LED

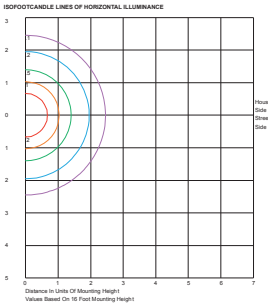
Photometry

DB / 42.5W LED / 3000K CCT  
Catalog #: LAL - 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

DOWNLOAD IES FILES:  
<http://www.selux.us/fileadmin/us/photometry/Exterior/Lanova.zip>



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Type:  
**ALP04**  
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**ARUP**  
Project Number: 271565  
Phone: 1 212 896 3000

**Manufacturer:** Selux : Lenova LED Catenary Pole  
**Description:** 16ft Catenary Light Pole

**Fixture Wattage:** NA W  
**Lumen Output:** NA lumens  
**Lamp CRI:** 80+  
**Control Type:** 0-10V Dimming

**Voltage:** NA  
**Fixture Finish:** Silver  
**Lamp CCT:** 3000K

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

# selux

Type:

# ALP05

Page 1 of 5

Lighting Notes:

Project: \_\_\_\_\_

Type: \_\_\_\_\_

Qty: \_\_\_\_\_

Ordering Format: \_\_\_\_\_

Series      Height      Finish      Option

Pole Series	Height	Wall Thickness	EPA Information (ft <sup>2</sup> )					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		

Other heights available, consult factory.

EPA Calculations allow for 1.3 Gust Factor

For PC or PCT refer to fixture spec sheets (where applicable). For other options please consult factory.

## 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

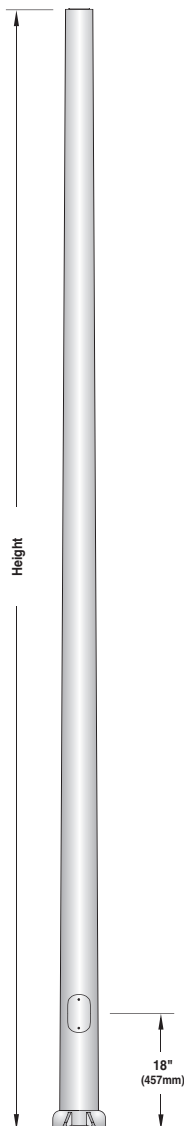
(SP) are available, please specify from your Selux color selection guide. Hot Dip Galvanized finish (GV) on all steel parts also available.

**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)

Union Made Affiliated  
 with IBEW Local 363

Made in the USA

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# ARUP

Project Number: 271565  
 Phone: 1 212 896 3000

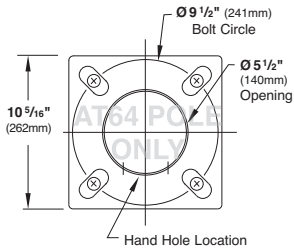
AT64/AT74 6" - 4" / 7" - 4" Round Tapered Aluminum Poles

selux

Type:  
**ALP05**  
Page 2 of 5

Bolt Circle (AT64)

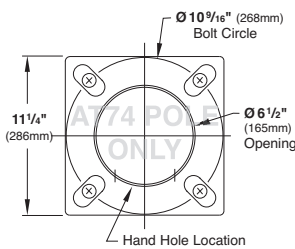
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.



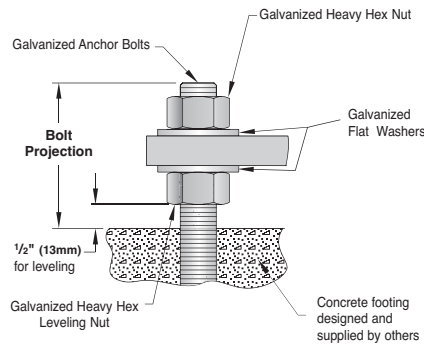
Note: Adequate drainage must be provided in concrete foundation.

Bolt Circle (AT74)

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



Anchor Bolt Detail

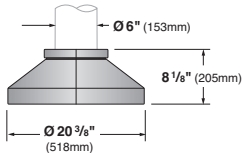


Additional Spec Information

Pole Series	Top Diameter	Bottom Diameter	Handhole Size	Base Size	Conduit Opening	Bolt Size	Bolt Circle	Bolt Projection
AT64	4"	6"	3" x 5"	10 5/16" x 10 5/16"	5 1/2"	3/4" x 17"	9 1/2"	3 1/2"
AT74	4"	7"	4" x 6"	11 1/4" x 11 1/4"	6 1/2"	1" x 36"	10 9/16"	4 1/8"

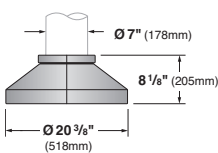
BC9 Optional Base Cover (AT64)

Die cast aluminum, two-piece field installable base cover.



BC10 Optional Base Cover (AT74)

Die cast aluminum, two-piece field installable base cover.



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

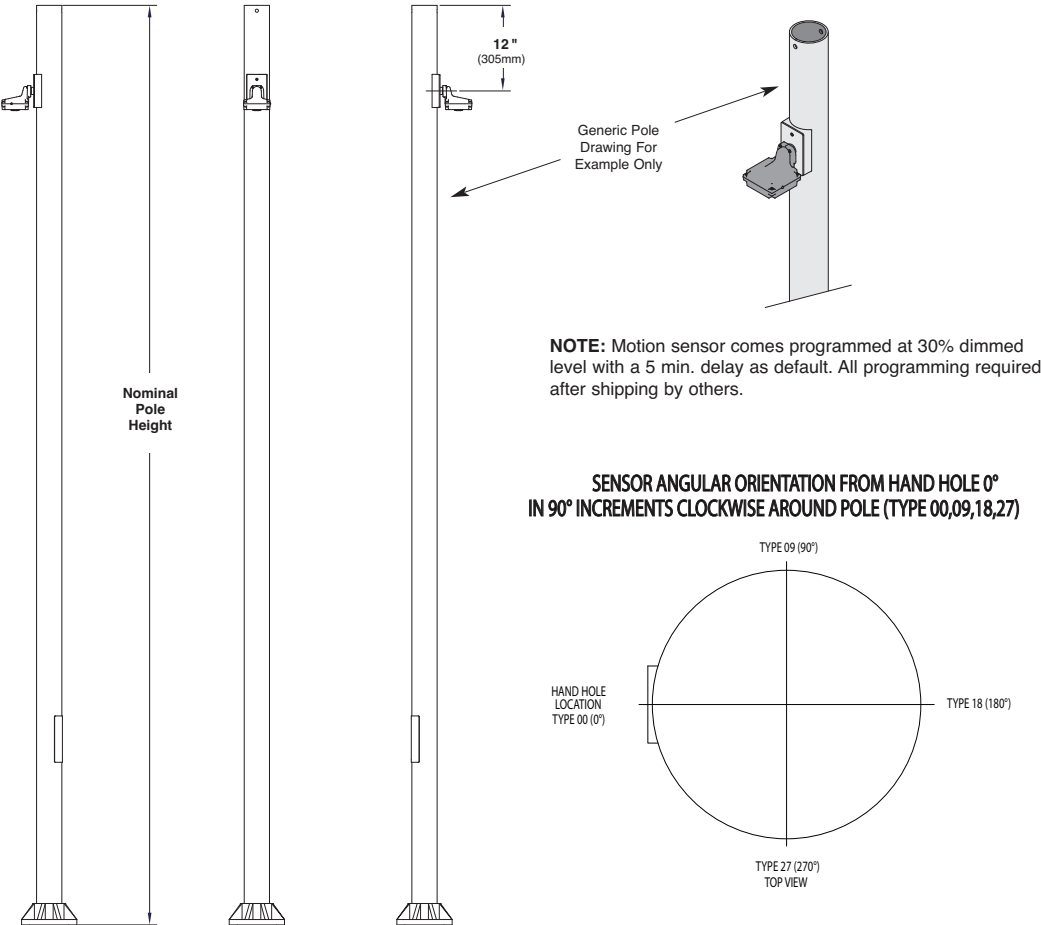
selux

Type:  
**ALP05**  
Page 3 of 5

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
<b>MS</b>  Motion Sensor	<b>1</b> 270° coverage - Single Sensor	<b>00</b> <b>09</b> <b>18</b> <b>27</b>	<b>D0</b> 0V=0% <b>D1</b> 1V=10% <b>D3</b> 3V=30% <b>D5</b> 5V=50%  Goes from dim level to full bright upon motion	<b>WH</b> White <b>BK</b> Black <b>BZ</b> Bronze	<b>Y</b> Yes <b>N</b> No	<b>UNV</b> <b>347</b> <b>480</b>



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A64-74-0118-03 (ss-v3.38)

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

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

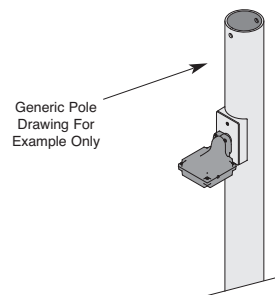
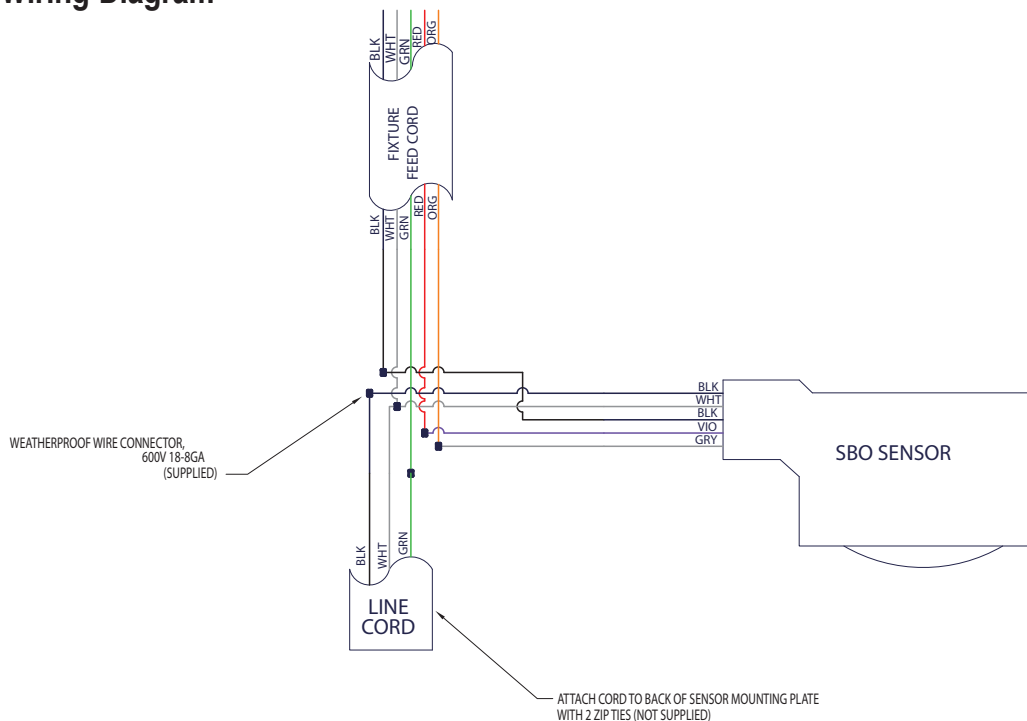
Type:

**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**

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A64-74-0118-04 (ss-v3.38)

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**ARUP**

Project Number: 271565  
Phone: 1 212 896 3000

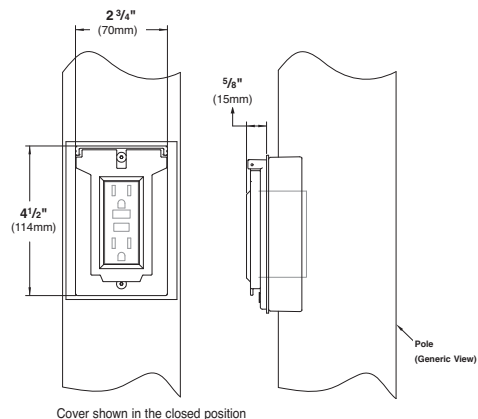
AT64/AT74 6" -4"/7" -4" Round Tapered Aluminum Poles

selux

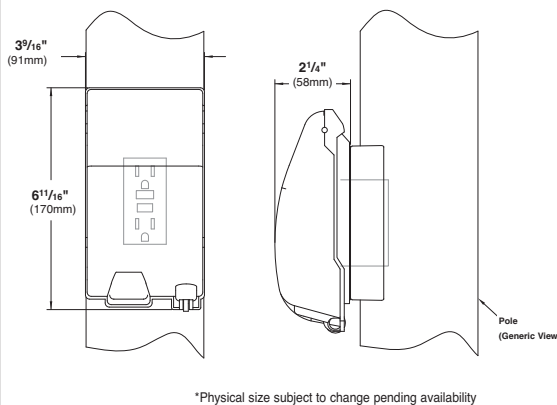
Type:  
**ALP05**  
Page 5 of 5

Optional Accessories

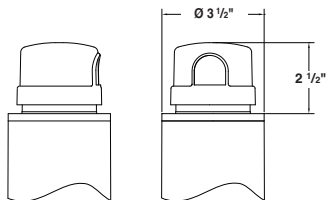
**GFCI Receptacle with flat cover (REC)** - 120V 15A GFCI duplex receptacle with weather-proof, self-closing non-lockable cover; located 36" (915mm) from base of pole, inline with handhole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when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



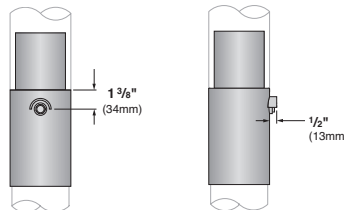
**GFCI Receptacle with in-use cover (REC2)** - 120V 15A GFCI duplex receptacle with weather-proof, self-closing padlockable in-use cover; located 36" (915mm) from base of pole, inline with handhole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only 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.



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

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

**Fixture Wattage:** 7 W W  
**Lumen Output:** 800 lumens  
**Lamp CRI:** 80+  
**Control Type:** 0-10V Dimming

**Voltage:** 12 V  
**Fixture Finish:** Clear Anodised Powder (CAP)  
**Lamp CCT:** 3000K

## 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 6

## Lighting Notes:

1. Fixture mounted to tree by means of a treestrap

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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:

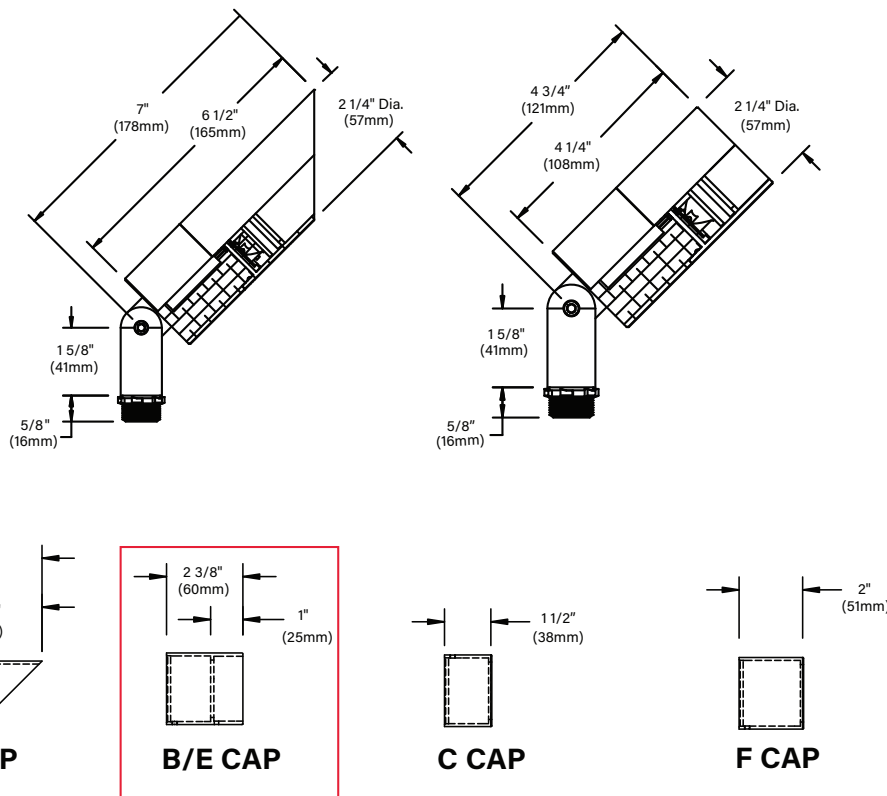
PROJECT:

TYPE:

Type:

AS01

Page 2 of 6



## 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:

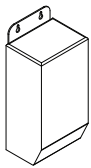
TYPE:

Type:

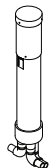
AS01

Page 3 of 6

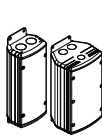
Accessories (Configure separately)



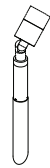
TR Series



Power Pipe



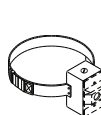
UPMRM



Power Pipe



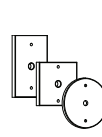
Power Canopy



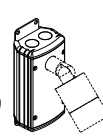
Tree Strap



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 6

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 <sub>70</sub> )	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)

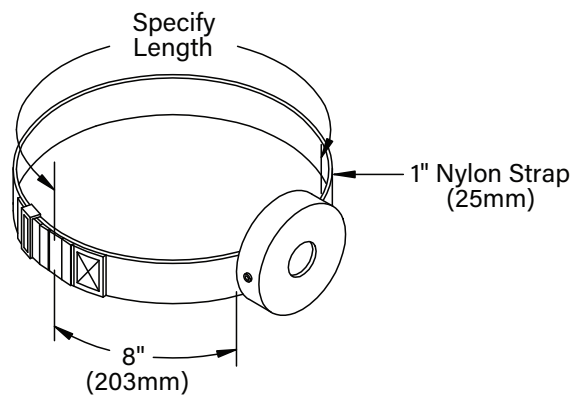
Also available in RAL Finishes.

Brass Finishes (MAC, POL, MIT)

Stainless Steel Finishes (MAC, POL)

## ADJUSTABLE STRAP LENGTH

Minimum 3"adjustable strap (standard)

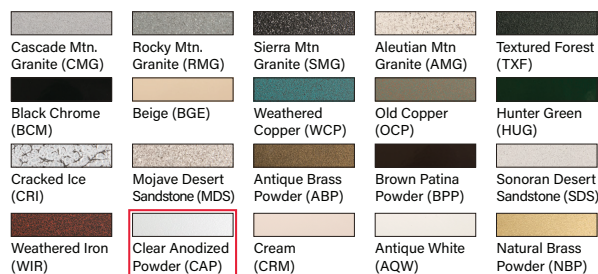


## STANDARD FINISHES



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

## PREMIUM FINISHES



Type:

AS01

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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:

Type:

AS01

Page 6 of 6

Accessories (Configure separately)

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