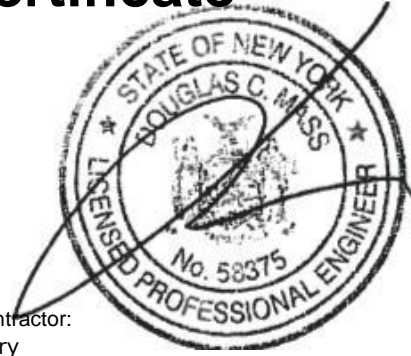




Interior Lighting Compliance Certificate



Project Information

Energy Code: 2018 IECC
Project Title: Regeneron
Project Type: New Construction

Construction Site:
777 Old Saw Mill River Road
Tarrytown, NY 10591

Owner/Agent:
Ted Jesson
Regeneron
777 Old Saw Mill River Road
Tarrytown, NY 10591
(914) 374-9486

Designer/Contractor:
Brian Cleary
Cosentini Associates
498 7th Avenue
15th Floor
New York, NY
212-615-3845

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
Dedicated Outdoor Air System, 1.0 credit

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-17-1-001 Vestibule (Common Space Types:Lobby - General)	120	1.00	120
2-17-1-002 Lobby / Reception (Common Space Types:Lobby - General)	1014	1.00	1014
Allowance: Decorative Appearance in lobbies / Fix. ID: LP3	1014 (a)	0.90	30 (b)
3-17-1-003 Director's Office (Common Space Types:Office - Enclosed)	132	0.93	123
4-17-1-004 Conference (Common Space Types:Conference/Meeting/Multipurpose)	181	1.07	194
5-17-1-005 STEAM Lab (Common Space Types:Laboratory For Classrooms)	668	1.20	802
6-17-1-006 JC (Common Space Types:Electrical/Mechanical)	75	0.43	32
7-17-1-007 STEM Storage (Common Space Types:Storage)	52	0.63	33
8-17-1-008 Copy/Work (Common Space Types:Copy/Print Room)	119	0.56	67
9-17-1-009 Staff Toilet (Common Space Types:Restrooms)	56	0.85	48
10-17-1-010-11 Staff Lounge & Learning Resource Center (Common Space Types:Conference/Meeting/Multipurpose)	357	1.07	382
11-17-1-012 Storage (Common Space Types:Storage)	79	0.63	50
12-17-1-013 Elec Closet (Common Space Types:Electrical/Mechanical)	27	0.43	12
13-17-1-014 Preschool 1 (Common Space Types:Classroom/Lecture/Training)	823	0.96	790
14-17-1-015 Preschool 2 (Common Space Types:Classroom/Lecture/Training)	823	0.96	790
15-17-1-016 K-Prep 1 (Common Space Types:Classroom/Lecture/Training)	819	0.96	786
16-17-1-017 K-Prep 2 (Common Space Types:Classroom/Lecture/Training)	819	0.96	786
17-17-1-018 Plumbing (Common Space Types:Electrical/Mechanical)	204	0.43	88
18-17-1-019 Storage (Common Space Types:Storage)	149	0.63	94
19-17-1-020 Corridor (Common Space Types:Corridor/Transition <8 ft wide)	796	0.66	525
20-17-1-021 Corridor (Common Space Types:Corridor/Transition <8 ft wide)	121	0.66	80
21-17-1-022 Corridor (Common Space Types:Corridor/Transition <8 ft wide)	1300	0.66	858
22-17-1-023 Movement Matters Zone (Gymnasium/Fitness Center:Playing Area)	645	0.82	529
23-17-1-024 Storage (Common Space Types:Storage)	99	0.63	62
24-17-1-025 Toilet (Common Space Types:Restrooms)	65	0.85	55
25-17-1-026 Health and Safety Director (Common Space Types:Office - Enclosed)	121	0.93	113
26-17-1-027 Tele/Data (Common Space Types:Electrical/Mechanical)	99	0.43	43
27-17-1-028 Car Seat & Stroller Storage (Common Space Types:Storage)	97	0.63	61
28-17-1-029 Wellness (Common Space Types:Conference/Meeting/Multipurpose)	87	1.07	93

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
29-17-1-030 Toilet (Common Space Types:Restrooms)	52	0.85	44
30-17-1-031 Toilet (Common Space Types:Restrooms)	52	0.85	44
31-17-1-032 Infant 1 (Common Space Types:Classroom/Lecture/Training)	618	0.96	593
Allowance: Decorative Appearance (not lobbies) / Fix. ID: LS2	618 (a)	0.75	10 (b)
32-17-1-033 Infant 2 (Common Space Types:Classroom/Lecture/Training)	618	0.96	593
Allowance: Decorative Appearance (not lobbies) / Fix. ID: LS2	618 (a)	0.75	10 (b)
33-17-1-034 Infant 3 (Common Space Types:Classroom/Lecture/Training)	618	0.96	593
Allowance: Decorative Appearance (not lobbies) / Fix. ID: LS2	618 (a)	0.75	10 (b)
34-17-1-035 Infant 4 (Common Space Types:Classroom/Lecture/Training)	618	0.96	593
Allowance: Decorative Appearance (not lobbies) / Fix. ID: LS2	618 (a)	0.75	10 (b)
35-17-1-036 Toddler 1 (Common Space Types:Classroom/Lecture/Training)	626	0.96	601
Allowance: Decorative Appearance (not lobbies) / Fix. ID: LS2	626 (a)	0.75	10 (b)
36-17-1-037 Toddler 2 (Common Space Types:Classroom/Lecture/Training)	628	0.96	603
Allowance: Decorative Appearance (not lobbies) / Fix. ID: LS2	628 (a)	0.75	10 (b)
37-17-1-038 Toddler 3 (Common Space Types:Classroom/Lecture/Training)	626	0.96	601
Allowance: Decorative Appearance (not lobbies) / Fix. ID: LS2	626 (a)	0.75	10 (b)
38-17-1-039 Toddler 4 (Common Space Types:Classroom/Lecture/Training)	626	0.96	601
Allowance: Decorative Appearance (not lobbies) / Fix. ID: LS2	626 (a)	0.75	10 (b)
39-17-1-040 Storage (Common Space Types:Storage)	75	0.63	47
40-17-1-041 Electrical (Common Space Types:Electrical/Mechanical)	252	0.43	108
41-17-1-042 Laundry (Common Space Types:Laundry/Washing Area)	70	0.43	30
42-17-1-043 Water Heater (Common Space Types:Electrical/Mechanical)	50	0.43	22
43-17-1-044 Warming Kitchen (Common Space Types:Food Preparation)	362	1.06	384
Total Allowed Watts =			14196

(a) Area claimed must not exceed the illuminated area permitted for this allowance type.

(b) Allowance is (B x C) or the actual wattage of the fixtures given in Section 2, whichever is less.

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<u>1-17-1-001 Vestibule (Common Space Types:Lobby - General)</u>				
LS: LS1: SURFACE MOUNTED: Other:	1	4	10	40
<u>2-17-1-002 Lobby / Reception (Common Space Types:Lobby - General)</u>				
LD: LD2: RECESSED DOWNLIGHT: Other:	1	14	24	336
LD: LD2: RECESSED DOWNLIGHT: Other:	1	7	24	168
LP: LP3: PENDANTS: Other:	1	3	10	30
LD: LD1: RECESSED DOWNLIGHT: Other:	1	1	15	15
<u>3-17-1-003 Director's Office (Common Space Types:Office - Enclosed)</u>				
LD: LD1: RECESSED DOWNLIGHT: Other:	1	6	15	90
<u>4-17-1-004 Conference (Common Space Types:Conference/Meeting/Multipurpose)</u>				
LD: LD1: RECESSED DOWNLIGHT: Other:	1	4	15	60
LP: LP3: PENDANTS: Other:	1	2	10	20
<u>5-17-1-005 STEAM Lab (Common Space Types:Laboratory For Classrooms)</u>				
LR: LR2: RECESSED ARCHITECTURAL: Other:	1	1	64	64
LR: LR3: RECESSED ARCHITECTURAL: Other:	1	2	96	192
LR: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128
LR: LR2: RECESSED ARCHITECTURAL: Other:	1	1	64	64
LR: LR3: RECESSED ARCHITECTURAL: Other:	1	2	96	192
LR: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128
<u>6-17-1-006 JC (Common Space Types:Electrical/Mechanical)</u>				

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
LR: LR1: RECESSED ARCHITECTURAL: Other:	1	1	50	50
<u>7-17-1-007 STEM Storage (Common Space Types:Storage)</u>				
LR: LR1: RECESSED ARCHITECTURAL: Other:	1	1	50	50
<u>8-17-1-008 Copy/Work (Common Space Types:Copy/Print Room)</u>				
LD: LD1: RECESSED DOWNLIGHT: Other:	1	4	15	60
<u>9-17-1-009 Staff Toilet (Common Space Types:Restrooms)</u>				
LD copy 1: LD1: RECESSED DOWNLIGHT: Other:	1	2	15	30
<u>10-17-1-010-11 Staff Lounge & Learning Resource Center (Common Space Types:Conference/Meeting/Multipurpose)</u>				
LR: LR3: RECESSED ARCHITECTURAL: Other:	1	2	96	192
LR: LR2: RECESSED ARCHITECTURAL: Other:	1	2	64	128
LP: LP2: PENDANTS: Other:	1	4	30	120
<u>11-17-1-012 Storage (Common Space Types:Storage)</u>				
LR: LR1: RECESSED ARCHITECTURAL: Other:	1	1	50	50
<u>12-17-1-013 Elec Closet (Common Space Types:Electrical/Mechanical)</u>				
A: A: LINEAR LED: Other:	1	1	50	50
<u>13-17-1-014 Preschool 1 (Common Space Types:Classroom/Lecture/Training)</u>				
LR: LR2: RECESSED ARCHITECTURAL: Other:	1	2	64	128
LR: LR3: RECESSED ARCHITECTURAL: Other:	1	3	96	288
LR: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128
LP: LP2: PENDANTS: Other:	1	3	30	90
LP: LP2: PENDANTS: Other:	1	6	30	180
LD: LD1: RECESSED DOWNLIGHT: Other:	1	1	15	15
LD: LD1: RECESSED DOWNLIGHT: Other:	1	1	15	15
LD: LD1: RECESSED DOWNLIGHT: Other:	1	1	15	15
<u>14-17-1-015 Preschool 2 (Common Space Types:Classroom/Lecture/Training)</u>				
LR copy 1: LR2: RECESSED ARCHITECTURAL: Other:	1	2	64	128
LR copy 1: LR3: RECESSED ARCHITECTURAL: Other:	1	3	96	288
LR copy 1: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128
LP copy 1: LP2: PENDANTS: Other:	1	3	30	90
LP copy 1: LP2: PENDANTS: Other:	1	6	30	180
LD copy 1: LD1: RECESSED DOWNLIGHT: Other:	1	1	15	15
LD copy 1: LD1: RECESSED DOWNLIGHT: Other:	1	1	15	15
LD copy 1: LD1: RECESSED DOWNLIGHT: Other:	1	1	15	15
<u>15-17-1-016 K-Prep 1 (Common Space Types:Classroom/Lecture/Training)</u>				
LR copy 2: LR2: RECESSED ARCHITECTURAL: Other:	1	2	64	128
LR copy 2: LR3: RECESSED ARCHITECTURAL: Other:	1	3	96	288
LR copy 2: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128
LP copy 2: LP2: PENDANTS: Other:	1	3	30	90
LP copy 2: LP2: PENDANTS: Other:	1	6	30	180
LD copy 2: LD1: RECESSED DOWNLIGHT: Other:	1	1	15	15
LD copy 2: LD1: RECESSED DOWNLIGHT: Other:	1	1	15	15
LD copy 2: LD1: RECESSED DOWNLIGHT: Other:	1	1	15	15
<u>16-17-1-017 K-Prep 2 (Common Space Types:Classroom/Lecture/Training)</u>				
LR copy 3: LR2: RECESSED ARCHITECTURAL: Other:	1	2	64	128
LR copy 3: LR3: RECESSED ARCHITECTURAL: Other:	1	3	96	288
LR copy 3: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128
LP copy 3: LP2: PENDANTS: Other:	1	3	30	90
LP copy 3: LP2: PENDANTS: Other:	1	6	30	180
LD copy 3: LD1: RECESSED DOWNLIGHT: Other:	1	1	15	15
LD copy 3: LD1: RECESSED DOWNLIGHT: Other:	1	1	15	15
LD copy 3: LD1: RECESSED DOWNLIGHT: Other:	1	1	15	15
<u>17-17-1-018 Plumbing (Common Space Types:Electrical/Mechanical)</u>				
A: A: LINEAR LED: Other:	1	3	50	150
<u>18-17-1-019 Storage (Common Space Types:Storage)</u>				
LR: LR1: RECESSED ARCHITECTURAL: Other:	1	2	50	100

Project Title: Regeneron

Report date: 06/29/22

Data filename: I:\210104\LIGHTING\04_Calcs\4_LPD\210104_RGN Daycare_Lighting_Comcheck_100CD-PERMIT.cck

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A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<u>19-17-1-020 Corridor (Common Space Types:Corridor/Transition <8 ft wide)</u>				
LS: LS1: SURFACE MOUNTED: Other:	1	20	10	200
LS: LS1: SURFACE MOUNTED: Other:	1	19	10	190
LD: LD1: RECESSED DOWNLIGHT: Other:	1	1	15	15
<u>20-17-1-021 Corridor (Common Space Types:Corridor/Transition <8 ft wide)</u>				
LD: LD1: RECESSED DOWNLIGHT: Other:	1	4	15	60
<u>21-17-1-022 Corridor (Common Space Types:Corridor/Transition <8 ft wide)</u>				
LS: LS1: SURFACE MOUNTED: Other:	1	19	10	190
LS: LS1: SURFACE MOUNTED: Other:	1	19	10	190
LD: LD1: RECESSED DOWNLIGHT: Other:	1	2	15	30
LS: LS1: SURFACE MOUNTED: Other:	1	4	10	40
LS: LS1: SURFACE MOUNTED: Other:	1	5	10	50
<u>22-17-1-023 Movement Matters Zone (Gymnasium/Fitness Center:Playing Area)</u>				
LR: LR2: RECESSED ARCHITECTURAL: Other:	1	1	64	64
LR: LR3: RECESSED ARCHITECTURAL: Other:	1	2	96	192
LR: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128
LR: LR2: RECESSED ARCHITECTURAL: Other:	1	2	64	128
LR: LR3: RECESSED ARCHITECTURAL: Other:	1	2	96	192
<u>23-17-1-024 Storage (Common Space Types:Storage)</u>				
LR: LR1: RECESSED ARCHITECTURAL: Other:	1	1	50	50
<u>24-17-1-025 Toilet (Common Space Types:Restrooms)</u>				
LD: LD1: RECESSED DOWNLIGHT: Other:	1	2	15	30
<u>25-17-1-026 Health and Safety Director (Common Space Types:Office - Enclosed)</u>				
LD: LD1: RECESSED DOWNLIGHT: Other:	1	4	15	60
<u>26-17-1-027 Tele/Data (Common Space Types:Electrical/Mechanical)</u>				
A: A: LINEAR LED: Other:	1	1	50	50
<u>27-17-1-028 Car Seat & Stroller Storage (Common Space Types:Storage)</u>				
LD: LD1: RECESSED DOWNLIGHT: Other:	1	4	15	60
<u>28-17-1-029 Wellness (Common Space Types:Conference/Meeting/Multipurpose)</u>				
LD: LD1: RECESSED DOWNLIGHT: Other:	1	4	15	60
<u>29-17-1-030 Toilet (Common Space Types:Restrooms)</u>				
LD: LD1: RECESSED DOWNLIGHT: Other:	1	2	15	30
<u>30-17-1-031 Toilet (Common Space Types:Restrooms)</u>				
LD: LD1: RECESSED DOWNLIGHT: Other:	1	2	15	30
<u>31-17-1-032 Infant 1 (Common Space Types:Classroom/Lecture/Training)</u>				
LR: LR2: RECESSED ARCHITECTURAL: Other:	1	2	64	128
LR: LR3: RECESSED ARCHITECTURAL: Other:	1	1	96	96
LR: LR3: RECESSED ARCHITECTURAL: Other:	1	2	96	192
LR: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128
LD: LD1: RECESSED DOWNLIGHT: Other:	1	2	15	30
LS: LS2: SURFACE MOUNTED: Other:	1	1	10	10
LD: LD1: RECESSED DOWNLIGHT: Other:	1	6	15	90
<u>32-17-1-033 Infant 2 (Common Space Types:Classroom/Lecture/Training)</u>				
LR copy 1: LR2: RECESSED ARCHITECTURAL: Other:	1	2	64	128
LR copy 1: LR3: RECESSED ARCHITECTURAL: Other:	1	1	96	96
LR copy 1: LR3: RECESSED ARCHITECTURAL: Other:	1	2	96	192
LR copy 1: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128
LD copy 1: LD1: RECESSED DOWNLIGHT: Other:	1	2	15	30
LS copy 1: LS2: SURFACE MOUNTED: Other:	1	1	10	10
<u>33-17-1-034 Infant 3 (Common Space Types:Classroom/Lecture/Training)</u>				
LR copy 2: LR2: RECESSED ARCHITECTURAL: Other:	1	2	64	128
LR copy 2: LR3: RECESSED ARCHITECTURAL: Other:	1	1	96	96
LR copy 2: LR3: RECESSED ARCHITECTURAL: Other:	1	2	96	192
LR copy 2: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
LD copy 2: LD1: RECESSED DOWNLIGHT: Other:	1	2	15	30
LS copy 2: LS2: SURFACE MOUNTED: Other:	1	1	10	10
LD copy 2: LD1: RECESSED DOWNLIGHT: Other:	1	6	15	90
<u>34-17-1-035 Infant 4 (Common Space Types:Classroom/Lecture/Training)</u>				
LR copy 3: LR2: RECESSED ARCHITECTURAL: Other:	1	2	64	128
LR copy 3: LR3: RECESSED ARCHITECTURAL: Other:	1	1	96	96
LR copy 3: LR3: RECESSED ARCHITECTURAL: Other:	1	2	96	192
LR copy 3: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128
LD copy 3: LD1: RECESSED DOWNLIGHT: Other:	1	2	15	30
LS copy 3: LS2: SURFACE MOUNTED: Other:	1	1	10	10
<u>35-17-1-036 Toddler 1 (Common Space Types:Classroom/Lecture/Training)</u>				
LR copy 4: LR2: RECESSED ARCHITECTURAL: Other:	1	2	64	128
LR copy 4: LR3: RECESSED ARCHITECTURAL: Other:	1	1	96	96
LR copy 4: LR3: RECESSED ARCHITECTURAL: Other:	1	2	96	192
LR copy 4: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128
LD copy 4: LD1: RECESSED DOWNLIGHT: Other:	1	2	15	30
LS copy 4: LS2: SURFACE MOUNTED: Other:	1	1	10	10
LD copy 4: LD1: RECESSED DOWNLIGHT: Other:	1	6	15	90
<u>36-17-1-037 Toddler 2 (Common Space Types:Classroom/Lecture/Training)</u>				
LR copy 5: LR2: RECESSED ARCHITECTURAL: Other:	1	2	64	128
LR copy 5: LR3: RECESSED ARCHITECTURAL: Other:	1	1	96	96
LR copy 5: LR3: RECESSED ARCHITECTURAL: Other:	1	2	96	192
LR copy 5: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128
LD copy 5: LD1: RECESSED DOWNLIGHT: Other:	1	2	15	30
LS copy 5: LS2: SURFACE MOUNTED: Other:	1	1	10	10
<u>37-17-1-038 Toddler 3 (Common Space Types:Classroom/Lecture/Training)</u>				
LR copy 6: LR2: RECESSED ARCHITECTURAL: Other:	1	2	64	128
LR copy 6: LR3: RECESSED ARCHITECTURAL: Other:	1	1	96	96
LR copy 6: LR3: RECESSED ARCHITECTURAL: Other:	1	2	96	192
LR copy 6: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128
LD copy 6: LD1: RECESSED DOWNLIGHT: Other:	1	2	15	30
LS copy 6: LS2: SURFACE MOUNTED: Other:	1	1	10	10
LD copy 6: LD1: RECESSED DOWNLIGHT: Other:	1	6	15	90
<u>38-17-1-039 Toddler 4 (Common Space Types:Classroom/Lecture/Training)</u>				
LR copy 7: LR2: RECESSED ARCHITECTURAL: Other:	1	2	64	128
LR copy 7: LR3: RECESSED ARCHITECTURAL: Other:	1	1	96	96
LR copy 7: LR3: RECESSED ARCHITECTURAL: Other:	1	2	96	192
LR copy 7: LR4: RECESSED ARCHITECTURAL: Other:	1	1	128	128
LD copy 7: LD1: RECESSED DOWNLIGHT: Other:	1	2	15	30
LS copy 7: LS2: SURFACE MOUNTED: Other:	1	1	10	10
<u>39-17-1-040 Storage (Common Space Types:Storage)</u>				
LR: LR1: RECESSED ARCHITECTURAL: Other:	1	2	50	100
<u>40-17-1-041 Electrical (Common Space Types:Electrical/Mechanical)</u>				
A: A: LINEAR LED: Other:	1	4	50	200
<u>41-17-1-042 Laundry (Common Space Types:Laundry/Washing Area)</u>				
LR: LR1: RECESSED ARCHITECTURAL: Other:	1	1	50	50
<u>42-17-1-043 Water Heater (Common Space Types:Electrical/Mechanical)</u>				
A: A: LINEAR LED: Other:	1	1	50	50
<u>43-17-1-044 Warming Kitchen (Common Space Types:Food Preparation)</u>				
LR: LR1: RECESSED ARCHITECTURAL: Other:	1	3	50	150
LR: LR1: RECESSED ARCHITECTURAL: Other:	1	4	50	200
Total Proposed Watts =				13764

Interior Lighting PASSES: Design 3% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title

Signature

Date



Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Regeneron
Project Type: New Construction
Exterior Lighting Zone: 3 (Other (LZ3))

Construction Site:
777 Old Saw Mill River Road
Tarrytown, NY 10591

Owner/Agent:
Ted Jesson
Regeneron
777 Old Saw Mill River Road
Tarrytown, NY 10591
(914) 374-9486

Designer/Contractor:
Brian Cleary
Cosentini Associates
498 7th Avenue
15th Floor
New York, NY
212-615-3845

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Entry canopy	240 ft2	0.4	Yes	96
Parking area	2291 ft2	0.06	Yes	137
Pedestrian and vehicular entrances and exits	84 ft of door	21	Yes	1764
Walkway >= 10 feet wide	6773 ft2	0.11	Yes	745
Total Tradable Watts (a) =				2742
Total Allowed Watts =				2742
Total Allowed Supplemental Watts (b) =				500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.

(b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<u>Entry canopy (240 ft2): Tradable Wattage</u>				
LX: LX3: DOWNLIGHT AT SOFFIT: Other:	1	2	15	30
<u>Parking area (2291 ft2): Tradable Wattage</u>				
SL1: SL2: LED AREA LIGHT: Other:	1	12	63	756
SL3: SL3: LED MOUNUMENT LIGHTING: Other:	1	4	25	100
<u>Pedestrian and vehicular entrances and exits (84 ft of door width): Tradable Wattage</u>				
SL2: SL2: WALL SCONCE: Other:	1	18	52	936
<u>Walkway >= 10 feet wide (6773 ft2): Tradable Wattage</u>				
B: B: SURFACE VAPORTIGHT: Other:	1	4	15	60
LX - Per Linear FT: LX2: ENTRY WALL LIGHTING: Other:	1	20	10	200
Total Tradable Proposed Watts =				2082

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title

Signature

Date



Inspection Checklist

Energy Code: 2018 IECC

Requirements: 30.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C103.2 [PR8] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C406 [PR9] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.2 [EL22] ¹	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern ≥ 50 percent.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1, C405.2.1.1 [EL18] ¹	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces ≤ 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1.2 [EL19] ¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aiseways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1.3 [EL20] ¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces ≥ 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas ≤ 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by $\geq 80\%$ of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.2, C405.2.2.1, C405.2.2.2 [EL21] ²	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3.1, C405.2.3.2 [EL23] ²	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL26] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL27] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.5 [EL28] ^{null}	Manual controls required by the energy code are in a location with ready access to occupants and located where the controlled lights are visible, or identify the area served and their status.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.6 [EL30] ^{null}	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.3 [EL6] ¹	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.6 [EL26] ²	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.7 [EL27] ²	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.8.2, C405.8.2.1 [EL28] ²	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.9 [EL29] ²	Total voltage drop across the combination of feeders and branch circuits <= 5%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Project Title: Regeneron

Report date: 06/29/22

Data filename: I:\210104\LIGHTING\04_Calcs\4_LPD\210104_RGN Daycare_Lighting_Comcheck_100CD-PERMIT.cck

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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.4.1 [FI18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
C405.5.1 [FI19] ¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting fixture schedule for values.
C406.6 [FI52] ¹	Dedicate outdoor air system efficiency package: Buildings with hydronic and/or multiple-zone HVAC systems are equipped with an independent ventilation system designed to provide \geq 100-percent outdoor air to each individual occupied space, as specified by the IMC. The ventilation system is capable of total energy recovery and includes HVAC system controls that manage temperature resets \geq 25 percent of delta design supply-air / room-air temp. Reference section C406.6 for qualifying systems/equipment.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.1.1 [FI57] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.2.5.1 [FI16] ³	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.3 [FI33] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

