Evolve™ LED Area Light

Modular Fixture - Wall Pack & Egress (EWSW & EESW)

GE imagination at work

Product Features

The GE Evolve™ LED Area Light also offers a wall pack that delivers the same outstanding performance as the modular area light solution. Using the same light engines as the "single module" area light, the wall pack offers identical photometrics, which allows lighting designers to capitalize on the same features without compromise. In keeping with a sleek design strategy, this product offers a modern "wedge" look, balancing the need for photometric scalability with reliable workhorse performance. The wall pack provides 10 photometric combinations, available in two color temperatures, to meet a wide range of application needs. The same wedge platform also offers an egress option to compliment the family, and providing a complete and consistent look for all area lighting applications.

GE's exclusive optical ring design effectively directs the light and produces superior vertical illuminance. Additionally, reduced energy consumption, combined with a long rated life that virtually eliminates ongoing maintenance expenses, enables the Evolve LED Wall and Egress to provide significant operating cost benefits over the life of each fixture.

Applications

- Wall mounted, single module site, area, and general lighting utilizing advanced LED optical system providing high uniformity, excellent vertical light distribution, reduced offsite visibility, reduced on-site glare and effective security light levels.

Housing

- Cast aluminum housing.
- Sleek architectural wedge design incorporates a modular heat sink light engine directly into the unit ensuring maximum heat transfer and long LED life.
- Meets 2G vibration standards per ANSI C136.32-2001. For 3G rating contact factory.

LED & Optical Assembly

- Structured LED arrays for optimized area light photometric distribution.
- Evolve modular light engine consisting of nested concentric directional reflectors designed to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 70 CRI at 4000K and 5700K typical.
- LM-79 tests and reports are performed in accordance with IESNA standards.

Lumen Maintenance

- System rating is 50,000 hours at L85. Contact factory for L rating (Lumen Depreciation) beyond 50,000 hours.

Ratings

- UL/cUL listed, suitable for wet locations.
- IP 65 rated optical per ANSI C136.25-2009.
- Temperature rated at –40° to 50°C.
- RoHS compliant, contains no lead or mercury.

Mounting

- Convenient swing out wall mount to "J" box with inspection hole for IP 65.

Finish

- Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
- Standard colors: Black & Dark Bronze.
- RAL & custom colors available.

Electrical

- Wall Pack: 120-277 volt and 347-480 volt available.
- Egress: 120-277 volt universal electronic driver.
- System power factor is >90% and THD <20%.
- Class "A" sound rating.
- Integral surge protection non-dimming:
  - For 120-277VAC per IEEE/ANSI C62.41.-1991, 4kV/2kA Location Category B2 (120 Events)
  - For 347-480VAC per IEEE/ANSI C62.41.-1991, 6kV/3kA Location Category B3 (120 Events)
- Integral surge protection GE dimming:
  - For 120-480VAC per IEEE/ANSI C62.41.2-2002, 6kV/3kA Location Category B (120 Events)
- EMI: Title 47 CFR Part 15 Class A

Warranty

- 5-year limited system warranty standard.

Ordering Number Logic
Wall Pack (EWSW)

E W S W _ _ _ - _ - _ _ _ - **N** - _ _ _ - **A** - **1** - **N** - _ _ _ _ _ - _

PROD ID	VOLTAGE	OPTICAL CODE	DISTRIBUTION ORIENTATION	LED COLOR TEMP	LENS TYPE	PE FUNCTION	MOUNTING ARM	COLOR	OPTIONS
E = Evolve **W** = Wallpack **S** = Small **W** = Wedge	**0** = 120 - 277 **1** = 120* **2** = 208* **3** = 240* **4** = 277* **5** = 480* **D** = 347* *Specify single voltage if fuse option is selected		**N** = Not applicable	**40** = 4000K **57** = 5700K	**A** = Acrylic	**1** = None	**N** = Not Applicable	**BLCK** = Black **DKBZ** = Dark Bronze Contact factory for other colors	**D** = Dimmable (0-10 Volt Input)* **F** = Fusing **XXX** = Special Options *Contact factory for availability.

	OPTICAL CODE	TYPE	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE		DISTRIBUTION ORIENTATION AVAILABLE	BUG RATINGS						IES FILE NUMBER	
								4000K			5700K				
			4000K	5700K	120-277V	347-480V		B	U	G	B	U	G	4000K	5700K
TYPE IV	A4	Asymmetric Forward	3130	3400	50	53	N	1	2	1	1	2	1	454394	454395
	B4	Asymmetric Forward	4050	4400	63	66	N	1	2	2	1	2	2	454397	454398
	C4	Asymmetric Forward	4970	5400	76	80	N	1	2	2	1	2	2	454400	454401
	D4	Asymmetric Forward	5890	6400	89	94	N	1	2	2	1	3	2	454403	454404
	E4	Asymmetric Forward	6810	7400	101	106	N	1	3	2	2	3	2	454406	454407
TYPE III	A3	Asymmetric Wide	3130	3400	50	53	N	1	1	1	1	1	1	454421	454422
	B3	Asymmetric Wide	4050	4400	63	66	N	1	1	1	1	1	1	454424	454425
	C3	Asymmetric Wide	4970	5400	76	80	N	1	1	1	1	1	2	454427	454428
	D3	Asymmetric Wide	5890	6400	89	94	N	1	1	2	1	1	2	454430	454431
	E3	Asymmetric Wide	6810	7400	101	106	N	1	1	2	1	1	2	454433	454434

Egress (EESW)

E E S W _ _ _ - _ - _ _ _ - **N** - _ _ _ - **A** - **1** - **N** - _ _ _ _ _ - _

PROD ID	VOLTAGE	OPTICAL CODE	DISTRIBUTION ORIENTATION	LED COLOR TEMP	LENS TYPE	PE FUNCTION	MOUNTING ARM	COLOR	OPTIONS
E = Evolve **E** = Egress **S** = Small **W** = Wedge	**0** = 120 - 277 **1** = 120* **2** = 208* **3** = 240* **4** = 277* *Specify single voltage if fuse option is selected		**N** = Not applicable	**40** = 4000K **57** = 5700K	**A** = Acrylic	**1** = None	**N** = Not Applicable	**BLCK** = Black **DKBZ** = Dark Bronze Contact factory for other colors	**F** = Fusing **XXX** = Special Options

OPTICAL CODE	TYPE	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE		DISTRIBUTION ORIENTATION AVAILABLE	BUG RATINGS						IES FILE NUMBER	
							4000K			5700K				
		4000K	5700K	120-277V	347-480V		B	U	G	B	U	G	4000K	5700K
WE	Egress - Asymmetric Wide	1290	1400	20	N/A	N	0	0	0	0	0	0	454576	454575

Photometrics

EWSW Type IV - Asymmetric Forward (E4)
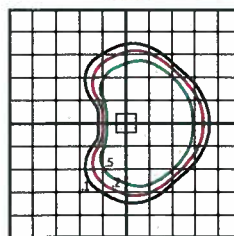### 7,400 Lumens, 5700K (GE454407.ies)
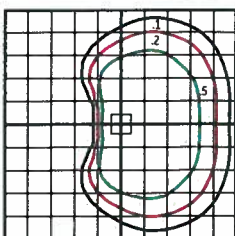
Grid Distance in Units of Mounting Height at 12' Initial Footcandle Values at Grade
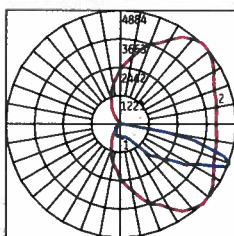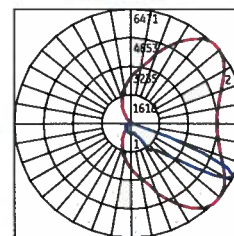
Polar Trace Vertical and Horizontal Plane through Horizontal Angle of Maximum Candlepower

EWSW Type III - Asymmetric Wide (E3)
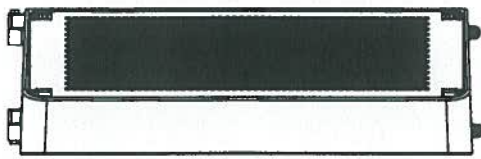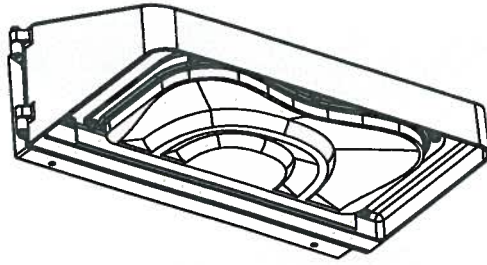### 7,400 Lumens, 5700K (GE454434.ies)

Grid Distance in Units of Mounting Height at 12' Initial Footcandle Values at Grade
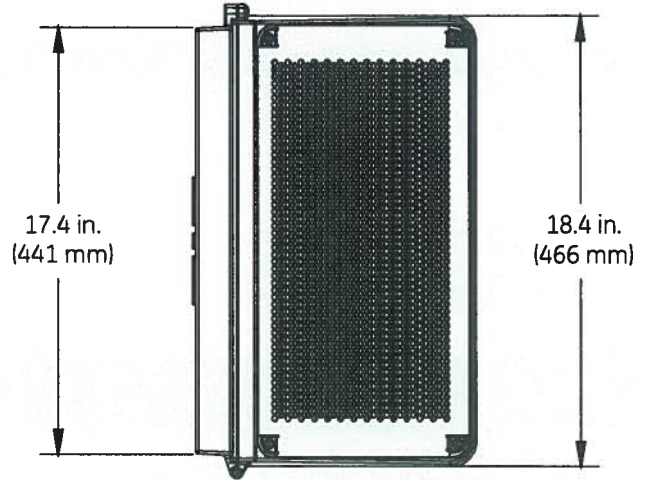
Polar Trace Vertical and Horizontal Plane through Horizontal Angle of Maximum Candlepower
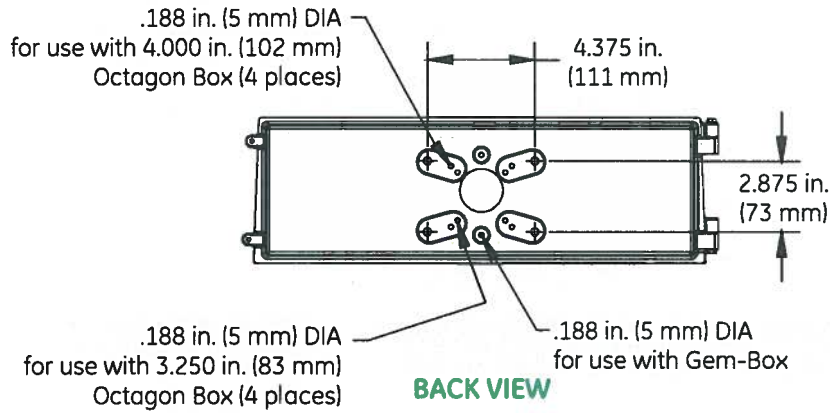
Product Dimensions

FRONT VIEW

17.4 in.
(441 mm)

18.4 in.
(466 mm)

TOP VIEW

.188 in. (5 mm) DIA
for use with 4.000 in. (102 mm)
Octagon Box (4 places)

4.375 in.
(111 mm)

2.875 in.
(73 mm)

5.9 in.
(151 mm)

.188 in. (5 mm) DIA
for use with 3.250 in. (83 mm)
Octagon Box (4 places)

.188 in. (5 mm) DIA
for use with Gem-Box

BACK VIEW

11.6 in.
(294 mm)

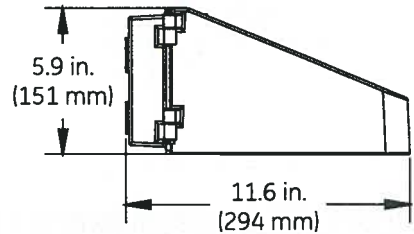**SIDE VIEW**

DATA
- Approximate Net Weight for Wall Pack: 29 lbs (13 kgs)
- Approximate Net Weight for Egress: 24 lbs (11 kgs)

GE Lighting Solutions • 1-888-MY-GE-LED • www.gelightingsolutions.com
1-888-69-43-533

OLP-2894 (Rev. 03/25/11)

LED V SERIES
ENERGY EFFICIENT LED VAPORTITE ENCLOSED & GASKETED

NEW

Cat.#		Approvals
Job	Type	

HUBBELL ®
Industrial Lighting

LED

C(SP)us

SPECIFICATIONS

Intended Use:
Industrial applications requiring enclosed and gasketed fixtures, (i.e. catwalks, manufacturing areas, refineries). High quality, long life light fixture that only uses a total of 20 watts is needed.

Construction:
The LED fixture body of made of an extruded aluminum heat sink and a die cast socket body containing the LED driver and LED circuit board with Cree high output LEDs. All mounts are common with the incandescent Vaportite and are die cast aluminum

FIXTURE
Complete fixtures are offered in pendant, ceiling, wall outlet and stanchion. They can be ordered with the flat acrylic lens or the frosted glass globe.

LED LIGHT ENGINE
Cree XPG high quality LEDs give 5000°K light

LED DRIVER:
One LED driver powers the Cree LEDs and consumes only 18.7w; 120-277V universal voltage
LED Amp Draw: 700 mA

OPTICS:
- Frosted glass globe for general lighting needs
- Flat frosted acrylic lens for tasks that need primarily directed light

INSTALLATION:
Decide what type of fixture is required, and from the matrix below, select your mount, body and optic. Fixture uses 1/2" or 3/4" conduit feed (1 ¼" pipe for the Stanchion version)

LISTINGS:
Listed to UL1598 for use in wet locations. Rated for ambient temperature of 40°C

WARRANTY:
Standard Hubbell warranty is five years from data of purchase

VL15D4A

VL15P1G

VL15W1A
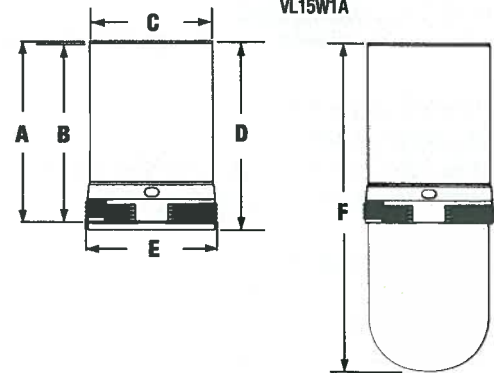
	A	B	C	D	E	F
Dimensions	5.20"	5.14"	3.50"	5.56"	3.74"	9.13"
	132mm	130mm	88mm	141mm	95mm	232mm

ORDERING INFORMATION (COMPONENT CATALOG NUMBER)

	Fixture Type	Hub Size	Component Catalog Numbers				Fixture Type	Hub Size	Component Catalog Numbers		
			Mount	Body	Optic				Mount	Body	Optic
	Pendant Globe	1/2"	VP1	V8LU15	VL15LG		Wall Outlet Globe	1/2"	VW1/VX1	V8LU15	VL15LG
		3/4"	VP2	V8LU15	VL15LG			3/4"	VW1/VX2	V8LU15	VL15LG
	Pendant Acrylic	1/2"	VP1	V8LU15	VL15A		Wall Outlet Acrylic	1/2"	VW1/VX1	V8LU15	VL15A
		3/4"	VP2	V8LU15	VL15A			3/4"	VW1/VX2	V8LU15	VL15A
	Ceiling Globe	1/2"	VX1/VAP	V8LU15	VL15LG		Stanchion Globe	1 1/4"	VD4	V8LU15	VL15LG
		3/4"	VX2/VAP	V8LU15	VL15LG						
	Ceiling Acrylic	1/2"	VX1/VAP	V8LU15	VL15A		Stanchion Acrylic	1 1/4"	VD4	V8LU15	VL15A
		3/4"	VX2/VAP	V8LU15	VL15A						

COMPONENT CATALOG NUMBERS

VP1	Pendant Mount 1/2" Hub
VP2	Pendant Mount 3/4" Hub
VX1 & VAP	Ceiling Outlet Box and Adapter Plate, Hub
VX2 & VAP	Ceiling Outlet Box and Adapter Plate, Hub
VAP	Ceiling Plate Adapter Only
VW1 & VX1	Wall Arm Outlet Box, Hub 1/2"
VW1 & VX2	Wall Arm Outlet Box, Hub 3/4"
VW1	Wall Arm Mount Only
VD4	Stanchion Mount, Hub 1-1/4"
V8LU15	Small LED Body
VL15A	Flat Acrylic Lens
VL15LG	Frosted Glass Globe
VCG-15[1]	Cast Aluminum Guard
VRSD-15	White Poly-Pro Guard

VGLEDA VGLEDG VCG-15 VRSD-15

1 - Not for use with flat acrylic lens.
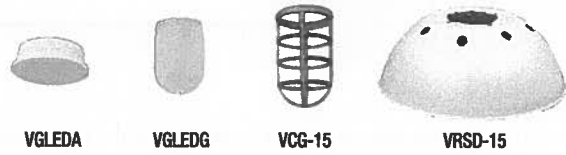
| BASE MODEL	INPUT WATTS	NUMBER OF LEDS	DRIVE MA	COLOR TEMPERATURE
VLED15	20w	8	700MA	5000K

PHOTOMETRIC REPORT

REPORT NUMBER: 3676
ISSUE DATE: 10/27/10
LUMINAIRE: VAPORTITE VLED15 W/CREE XPG LEDS
ELECTRICAL: 24.4C, 120.1V, .1572A, 18.7w

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	320	29.8
0- 40	523	48.8
0- 60	886	82.6
0- 90	1073	100.0
90-180	0	0.0
0-180	1073	100.0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20
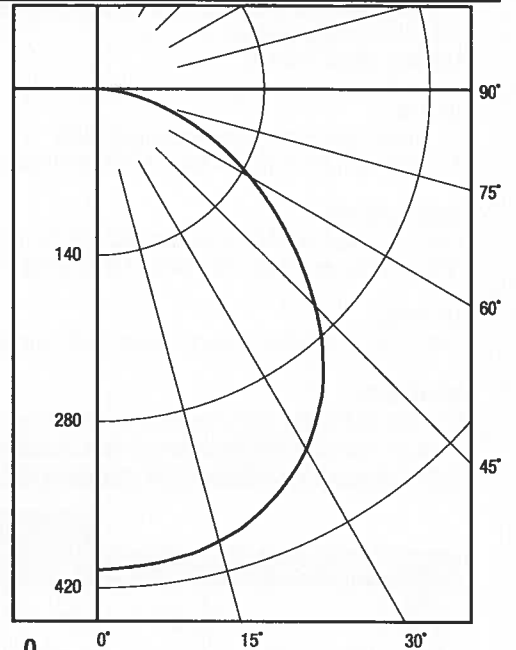
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	55	64	59	55	53
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE
BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES
ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

KIM LIGHTING

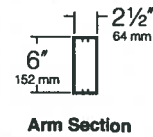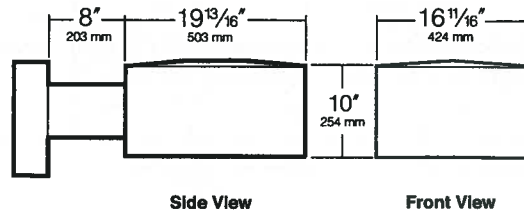JOB _____ TYPE _____

NOTES _____ APPROVALS _____

FEATURES

- Full Cutoff PicoPrism technology
- Patented low profile luminaire[1]
- Available in 580nm, 3000K, 4000K and 5000K standard CCT
- Type 1, 2, 3, 4, 5, R, L distributions
- 0-10V dimming drivers standard
- Sealed optical chamber, IP66 certified

Certifications

c(UL)us LISTED

ida

3000K and warmer CCTs only

SPECIFICATIONS

Max. Weight = 50 lbs. EPA 2.1 for 1A.
See Configuration for Additional EPAs.

8" / 203 mm — 19¹³/₁₆" / 503 mm — 16¹¹/₁₆" / 424 mm

10" / 254 mm

Side View   **Front View**

2½" / 64 mm

6" / 152 mm

Arm Section

ORDERING CODE

Configuration

			EPA
▪	1A	1 Arm Side Mt.	2.1
▪▪	2B	2 Arm Side Mt.	4.2
▪▪	2L	2 Arm Side Mt.	3.5
▪▪▪	3T	3 Arm Side Mt.	4.5
▪▪▪▪	4C	4 Arm Side Mt.	5.0
▪|	1W	Single Wall Mt.	n/a
	HSF	Horizontal Slip-fitter Mount	n/a

*Available round poles only. EPA is for fixture only

Fixture

Housing	Distribution	Drive Current
EKG401 80 LEDs 94W (350mA) 185W (700mA)	**1** Type I	**P35** 350mA PicoPrism
	2 Type II	**P70** 700mA PicoPrism
	3 Type III	
	4 Type IV	
	5 Type V	
	R Type R, Right	
	L Type L, Left	

Electrical Module

Source	Color Temperature[2]	Voltages
80L 80 LEDs	**2K** 580nm[3]	**120** 120V[1]
	3K 3000K	**208** 208V[1]
	4K 4000K	**240** 240V[1]
	5K 5000K	**277** 277V[1]
		347 347V[4]
		480 480V[4]

[1]120V through 277V is a variable driver.

Fixture Finish

BL	Black
DB	Dark Bronze
GT	Graphite
LG	Light Gray
PS	Platinum Silver
TT	Titanium
WH	White
CC	Custom Color*

*Consult Representative

Mounting Options

VSF Vertical Slipfitter Mount round for 2" pipe (2-3/8" O.D.) tenon

SVSF Vertical Slipfitter Mount square for 2" pipe (2-3/8" O.D.) tenon

Side Arm Mount
- **3** 3" O.D. Pole
- **3.5** 3.5" O.D. Pole
- **4** 4" O.D. Pole
- **5** 5" O.D. Pole
- **6** 6" O.D. Pole
- **SQ** Square Pole

Photocell Options

- **A25-7** 7-pin Photocell Receptacle
- **A30** 120V Button Photocell
- **A31** 208V Button Photocell
- **A32** 240V Button Photocell
- **A33** 277V Button Photocell
- **A34** 480V Button Photocell
- **A35** 347V Button Photocell

Fuse Options

- **SF** 120, 277, 347 Line Volts
- **DF** 208, 240, 480 Line Volts

NFO Option

NFO Neighbor Friendly Optic. Photometry available for Type III/IV. All others, consult factory.

Controls

Wireless

WIR-RMI-IO 120-347V, 1000' range, WiScape RF mesh control system with off/on/dim, motion, photo, GPS location, alert, monitoring and metering capabilities.

For Pole Spec Select: http://www.kimlighting.com/products/arms_and_poles/
For Control Spec Select: http://trpssl.com/index.html

[1] US Patent No. D568,521 S. Other patents pending.
[2] For custom optics and color temperature configurations, contact factory.
[3] Turtle friendly. Maximum 500mA drive current for 2K amber option.
[4] 347V & 480V currents may be supplied with step-down transformer.
[5] Use only when vandalism is anticipated to be high. Required only for vandal protection in locations where fixtures can be reached by unauthorized persons.

Kim Lighting reserves the right to change specifications without notice.

KIM LIGHTING

Spectroradiometric

	3000K Average	4000K Average	5000K Average
Color Rendering Index (CRI)	≥75	≥70	≥65
Power Factor	>.90	>.90	>.90

Projected Lumen Maintenance

mA	50,000 hrs	100,000 hrs
350 mA	N/A	N/A
700 mA	95.74%	92.68%

Electrical Drive Current

350mA			700mA		
Volts - AC	Amps - AC	System Watts	Volts - AC	Amps - AC	System Watts
120	0.78	94	120	1.54	185
208	0.45	94	208	0.89	185
240	0.39	94	240	0.77	185
277	0.34	94	277	0.67	185
347	0.27	94	347	0.53	185
480	0.20	94	480	0.39	185

B.U.G. Rating for 350mA (TM15) in Lumens where B = Backlight, U = Uplight, G = Glare

Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	B3 U0 G3	B3 U0 G3	B2 U0 G2	B0 U0 G2	B0 U0 G2	B0 U0 G2	B3 U0 G2	B3 U0 G3
4000K	B3 U0 G3	B3 U0 G3	B2 U0 G3	B0 U0 G2	B1 U0 G3	B0 U0 G2	B3 U0 G2	B3 U0 G3
5000K	B3 U0 G3	B3 U0 G3	B2 U0 G3	B0 U0 G2	B1 U0 G3	B0 U0 G2	B3 U0 G2	B3 U0 G3

Absolute Lumens for 350mA

Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	6521	6471	6339	5596	6388	5770	6561	6395
4000K	8435	8370	8298	7238	8263	7464	8488	8271
5000K	8949	8880	8801	7679	8766	7918	9004	8775

B.U.G. Rating for 700mA (TM15) in Lumens where B = Backlight, U = Uplight, G = Glare

Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	B4 U0 G4	B3 U0 G3	B3 U0 G3	B3 U0 G3	B1 U0 G3	B0 U0 G4	B4 U0 G3	B3 U0 G3
4000K	B4 U0 G4	B3 U0 G3	B3 U0 G3	B3 U0 G3	B1 U0 G4	B0 U0 G4	B4 U0 G3	B3 U0 G3
5000K	B4 U0 G4	B3 U0 G3	B3 U0 G3	B3 U0 G3	B1 U0 G4	B0 U0 G4	B4 U0 G3	B3 U0 G3

Absolute Lumens for 700mA

Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	11641	11551	12077	10741	11547	10337	12211	11288
4000K	15184	15067	15754	14010	15063	13484	15929	14725
5000K	15316	15198	15891	14132	15194	13602	16067	14854

LED performance and lumen output continues to improve at a rapid pace. Log onto www.kimlighting.com to download the most current photometric files from Kim Lighting's IES File Library.
For custom optics and color temperature configurations, contact factory.

Kim Lighting reserves the right to change specifications without notice.

KIM LIGHTING

SPECIFICATIONS

Housing:

- Extruded low copper aluminum main body.
- Die-cast low copper aluminum electrical gear compartment.
- Stainless steel hardware.
- Die cast wall separates the optical and electrical compartment acting as thermal barrier.
- Electrical gear compartment doors are fastened with two hinges and a latch made of stainless steel.
- Silicone gaskets seal the compartments at the barrier surface.

Optical Module:

- PicoPrism refractors (enclosed LED PCBs for IP66 rating) aimed toward the task and spreads horizontally to produce great uniformity.
- Type I, II, III, IV, V, L (left), and R (right) standard distributions. Custom available.
- 3000K, 4000K, 5000K standard CCT. Amber and custom available.
- IP66 certified.
- Die-cast, low copper aluminum heat sink modules provide thermal transfer at PCB level.
- Anodized aluminum carrier plate and heat sink modules.

Lens Frame:

- One-piece low copper aluminum alloy die-cast is secured to housing with two toolless latches.

Neighbor Friendly Optic

- Optional integrated Neighbor Friendly Optic on each LED module to completely control unwanted backlight. Most effective with Type III and IV distibutions.
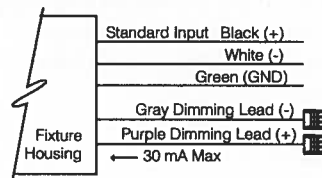
Electrical Characteristics:

- Pre-assembled, aluminum gear tray.
- 120V through 480V @ 50/60Hz.
- Class 2, 350mA or 700mA
- Power Factor = >.90
- National Electrical Code, ANSI/NFPA 70.
- 10kV surge suppression.
- Thermal shield thermal control.
- -30c starting driver.

- 0-10V dimming interface.
- All electronic components are IP66 rated.
- Electronic components are UL and/or CSA recognized.
- Standard programmable driver for variable drive current settings from 350mA to 700mA.

Dimming:

- 10% to 100% dimming using standard 0-10V interface driver.
- To activate the dimming system, a wiring harness is supplied and attached to the DIM Port (DIM IN) on the thermal shield protection system. This port allows the 0-10V Interface to bypass the thermal shield and control the driver.
- The thermal shield works in conjunction with the control system to assure that overheating will not harm the LEDs.
- The wiring harness is connected with the use of the Purple lead as the positive (+) and the Grey lead as the negative (-) to an available control signal (by others).

```
                  Standard Input  Black (+)
                                  White (-)
                                  Green (GND)
                              Gray Dimming Lead (-)
        Fixture               Purple Dimming Lead (+)
        Housing                ← 30 mA Max
```

Support Arm:

- Speed Mount and a reinforcing plate are provided with wire strain relief.
- Speed Mount is square or circular cut for specified pole size and shape.
- Die-cast, low copper aluminum support arm for direct pole mount.
- Die-cast aluminum tool-less entry splice access cover.
- Terminal block is mounted in the arm cavity and accepts #14 to #8 wire sizes.
- Prewired to electrical module with quick-disconnect plugs located inside the electrical compartment.
- Optional cast, low copper aluminum horizontal slip-fitter with adaptor plate to secure the luminaire to 1-1/4" to 2" IPS pipe size arms.
- Optional cast aluminum wall mount plate assembly. Attaches to the wall over the junction box. Luminaire attaches to the wall plate with a square cut Speed Mount.

Finish:

- Fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat.
- Standard colors include (BL) Black, (DB) Dark Bronze, (GT) Graphite, (WH) White, (PS) Platinum Silver, (LG) Light Gray, (TT) Titanium, and (CC) Custom Color (Include RAL#).

Fusing:

SF for 120, 277 and 347 Line Volts
DF for 208, 240 and 480 Line Volts.

- High temperature fuse holders factory installed inside the fixture housing. Fuse is included.

Certifications and Listings:

- UL 1598 Standard for wet locations for Luminaires.
- UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products.
- IP66 certified.
- CSA C22.2#250.0 Luminaires.
- ANSI C136.31-2010 3G Vibration tested and compliant.
- RoHS compliant.
- IDA approved, 3000K and warmer CCTs only.

- **CAUTION:**
- Fixtures must be grounded in accordance with national, state and/or local electrical codes, Failure to do so may result in serious personal injury.

WARRANTY:

- For full warranty see http://www. hubbelllighting.com/resources/warranty

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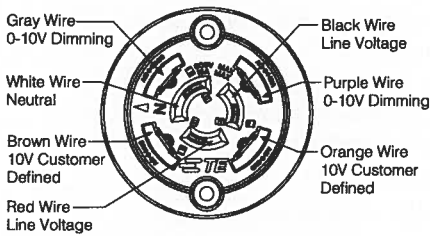
CONTROLS

Photocell Receptacle

A25-7

Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

Standard customer operation modes:
1. Traditional on/off photoelectric control.
2. 5-pin wireless photoelectric control for added dimming feature.
3. 7-pin wireless photoelectric control for dimming and additional I/O connections for customer use.

Gray Wire — 0-10V Dimming
Black Wire — Line Voltage
White Wire — Neutral
Purple Wire — 0-10V Dimming
Brown Wire — 10V Customer Defined
Orange Wire — 10V Customer Defined
Red Wire — Line Voltage

Button Photocell

A30 for 120V, **A31** for 208V, **A32** for 240V, **A33** for 277V, **A35** for 347V, **A34** for 480V,

Photocell is factory installed inside the housing with a fully gasketed sensor on the side wall. For multiple fixture mountings, one fixture is supplied with a photocell to operate the others.

Fixture-Mounted

Fixture-Mounted Occupancy Sensor up to 16'
SCL

Fixture-Mounted Occupancy Sensor up to 16' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White.

Ordering Example: SCL/277[2]/BL[3]

Fixture-Mounted Occupancy Sensor 16' to 30'
SCH

Fixture-Mounted Occupancy Sensor 16' to 30'- an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White.

Ordering Example: SCH/277[2]/BL[3]

Wireless Control

Hubbell Building Automation's wiSCAPE™ In-Fixture Module is a bi-directional wireless RF device that allows an individual fixture to be managed, monitored and metered. The wiSCAPE In-Fixture Module communicates wirelessly over a robust 2.4GHz ISM (Industrial, Scientific and Medical) certified meshed radio signal. The wiSCAPE Fixture Module drastically simplifies control and automation of projects, especially in retrofit environments, and challenges the legacy world of wired-systems. wiSCAPE wireless control technology easily adapts to complex automation situations for quick, simple and economical commissioning. The On-Fixture Module is compatible with A-25-7H option.

WIR-RMI-IO

120 - 347V 1000 Foot Range WiScape RF mesh control system with off/on/dim, motion, photo, GPS location, alert, monitoring and metering capabilities.

Pole Mounted

Round Pole-Mounted Occupancy Sensor up to 16'
SCL-R

Round Pole-Mounted Occupancy Sensor up to 16' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCL-R4[1]/277[2]/BL[3]

Square Pole-Mounted Occupancy Sensor up to 16'
SCL-S

Square Pole-Mounted Occupancy Sensor up to 16' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for square pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCL-L/277[2]/BL[3]

Round Pole-Mounted Occupancy Sensor 16' to 30'
SCH-R

Round Pole-Mounted Occupancy Sensor: 16' to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCH-R4[1]/277[2]/BL[3]

Square Pole-Mounted Occupancy Sensor 16' to 30'
SCH-S

Square Pole-Mounted Occupancy Sensor: 16 to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCH-S/277[2]/BL[3]

SCP

The SCP is a photo-control with motion sensing accessory thats mounts to the side of any new or existing 3"-5" round or square straight pole. The SCP enables any pole mounted luminaire in excess of 75 watts, to meet California Title 24 requirements with integral 20KV/10KA surge protection for added reliability and serviceability.

For more detail:

http://www.aal.net/products/sensor_control_programmable

[1]Pole Diameter, [2]Voltage, [3]Color

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