Evolve™ LED Area Light

Scalable Wall Pack (EWS3)

Product Features

The GE Evolve LED Scalable Wall Pack is optimized for customers looking for an efficient and reliable LED solution to replace 75W - 250W Metal Halide wall mounted, site, area and general lighting applications.

Depending on the application, Evolve™ LED Scalable Wall Pack can yield up to a 75% reduction in system energy consumption compared with standard HID systems. Standard 0-10V dimming and an optional motion sensor with daylight harvesting can provide additional energy savings. The EWS3 offers a typical 105 LPW and is available in key lumen packages and reflective optics to optimize light output for most applications. This reliable system operates well in cold temperatures and offers more than 11 years of service life to reduce maintenance frequency and expense, based on a 50,000 hour rated life and 12 hours of operation per day. Containing no mercury or lead, this environmentally responsible product is RoHS compliant.

Applications

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

Housing

- Die-cast aluminum housing.
- Sleek architectural design incorporating a heat sink directly into the unit ensuring maximum heat transfer and long LED life.
- Meets 1.5 G vibration standards per ANSI C136.31-2010.

LED & Optical Assembly

- Structured LED array for optimized light distribution.
- Evolve™ LED light engine utilizes reflective technology to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 70 CRI at 3000K, 4000K & 5000K typical.
- LM-79 tests and reports are performed in accordance with IESNA standards.

Lumen Maintenance

- Projected L90>47,000 hours per IES TM-21
- Projected Lxx per IES TM-21 at 25°C for reference:

SKU	LXX (10K)@HOURS		
	25,000 HR	50,000 HR	100,000 HR
EWS3	L94	L89	L80

Note: 1) Projected Lxx based on LM80 (10,000 hour testing). 2) DOE Lighting Facts Verification Testing Tolerances apply to initial Luminous flux and lumen maintenance measurements.

Lumen Ambient Temperature Factors:

AMBIENT TEMPERATURE (°C)	INITIAL FLUX FACTOR
10	1.02
20	1.01
25	1.00
30	0.99
40	0.98
50	0.97

Ratings

- (UL) listed, suitable for wet locations.
- c(UL) listed with option code "J" SKUs.
- IP 65 rated optical enclosure per ANSI C136.25-2013.
- Title 24 compliant with motion sensor option.
- Temperature rated at –40° to 50°C. (35°C for high wattage 90W SKU).
- Upward Light Output Ratio (ULOR) = 0
- Complies with the material restrictions of RoHS.

DLC Standard qualified models available. Please refer to http://www.designlights.org/QPL for complete information.

Mounting

- Flush wall mount to "J" box with inspection hole for IP 65.

Finish

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

Electrical

- 120-277 volt and 347-480 volt available.
- System power factor is >90% and THD <20%*.
- Surge protection per ANSI C136.2-2015: - Exceeds "Basic" (6kV/3kA) (120 strike)
- EMI: FCC Title 47 CFR Part 15 Class A.
- Motion sensor with dimming capability available with "H" option code.
- Button PE Sensitivity: Fixture on-3.5Fc
                              Fixture off-11.8 Fc

System THD <26% for 347-480v supply with A7 power level.

Accessories

- Escutcheon Plates - See page 6

Warranty

- 5 Year standard

Ordering Number Logic

Scalable Wall Pack (EWS3)

E W S 3

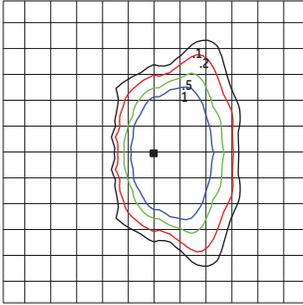| PROD. ID	VOLTAGE	POWER LEVEL	PHOTOMETRIC TYPE	LED COLOR TEMP	PE FUNCTION	COLOR	OPTIONS
E = Evolve **W** = Wallpack **S** = Scalable **3** = Product Generation	**0** = 120-277* **1** = 120 **2** = 208 **3** = 240 **4** = 277 **5** = 480 **D** = 347 **H** = 347-480* *Not available with Fusing. Must choose a descreet voltage with F Option.		**D1** = Asymmetric Forward **E1** = Asymmetric Medium	**30** = 3000K◊ **40** = 4000K **50** = 5000K ◊Select 3000K CCT for IDA Approved units	**1** = None **3** = Button PE* *Button PE not available with motion sensor option. Only available with descreet voltages. Not available with voltage options D, H or 5.	**BLCK** = Black **DKBZ** = Dark Bronze **GRAY** = Gray **WHTE** = White Contact manufacturer for other colors.	**F** = Fusing **H** = Motion Sensor* **J** = cUL/Canada **XXX** = Special Options *Option H only available in 120-277V. Reference page 5 (under H Motion Sensing Option) for more details.

Table 1: 120-277 Voltage Versions

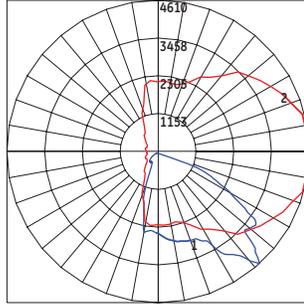| POWER LEVEL	PHOTOMETRIC TYPE	TYPICAL INITIAL LUMENS 3000K	TYPICAL INITIAL LUMENS 4000K & 5000K	TYPICAL SYSTEM WATTAGE 120-277V	TYPICAL SYSTEM WATTAGE 347-480V	B-U-G RATING 3000K	B-U-G RATING 4000K & 5000K	IES FILE NUMBERS 120-277V 3000K	IES FILE NUMBERS 120-277V 4000K	IES FILE NUMBERS 120-277V 5000K
A7	D1	2800	2900	25	28	1-0-1	1-0-1	EWS3_A7D130_____-120-277V.IES	EWS3_A7D140_____-120-277V.IES	EWS3_A7D150_____-120-277V.IES
	E1	2800	2900	25	28	1-0-0	1-0-1	EWS3_A7E130_____-120-277V.IES	EWS3_A7E140_____-120-277V.IES	EWS3_A7E150_____-120-277V.IES
B7	D1	3700	3800	32	35	1-0-1	1-0-1	EWS3_B7D130_____-120-277V.IES	EWS3_B7D140_____-120-277V.IES	EWS3_B7D150_____-120-277V.IES
	E1	3700	3800	32	35	1-0-1	1-0-1	EWS3_B7E130_____-120-277V.IES	EWS3_B7E140_____-120-277V.IES	EWS3_B7E150_____-120-277V.IES
C7	D1	4900	5000	41	45	1-0-1	1-0-1	EWS3_C7D130_____-120-277V.IES	EWS3_C7D140_____-120-277V.IES	EWS3_C7D150_____-120-277V.IES
	E1	4900	5000	41	45	1-0-1	1-0-1	EWS3_C7E130_____-120-277V.IES	EWS3_C7E140_____-120-277V.IES	EWS3_C7E150_____-120-277V.IES
D3	D1	6500	6700	67	67	2-0-1	2-0-1	EWS3_D3D130_____.IES	EWS3_D3D140_____.IES	EWS3_D3D150_____.IES
	E1	6500	6700	67	67	2-0-1	2-0-1	EWS3_D3E130_____.IES	EWS3_D3E140_____.IES	EWS3_D3E150_____.IES
E3	D1	8200	8600	90	90	2-0-2	2-0-2	EWS3_E3D130_____.IES	EWS3_E3D140_____.IES	EWS3_E3D150_____.IES
	E1	8200	8600	90	90	2-0-1	2-0-1	EWS3_E3E130_____.IES	EWS3_E3E140_____.IES	EWS3_E3E150_____.IES

Table 2: 347-480 Voltage Versions

POWER LEVEL	PHOTOMETRIC TYPE	TYPICAL INITIAL LUMENS 3000K	TYPICAL INITIAL LUMENS 4000K & 5000K	TYPICAL SYSTEM WATTAGE 120-277V	TYPICAL SYSTEM WATTAGE 347-480V	B-U-G RATING 3000K	B-U-G RATING 4000K & 5000K	IES FILE NUMBERS 347-480V 3000K	IES FILE NUMBERS 347-480V 4000K	IES FILE NUMBERS 347-480V 5000K
A7	D1	2800	2900	25	28	1-0-1	1-0-1	EWS3_A7D130_____-347-480V.IES	EWS3_A7D140_____-347-480V.IES	EWS3_A7D150_____-347-480V.IES
	E1	2800	2900	25	28	1-0-0	1-0-1	EWS3_A7E130_____-347-480V.IES	EWS3_A7E140_____-347-480V.IES	EWS3_A7E150_____-347-480V.IES
B7	D1	3700	3800	32	35	1-0-1	1-0-1	EWS3_B7D130_____-347-480V.IES	EWS3_B7D140_____-347-480V.IES	EWS3_B7D150_____-347-480V.IES
	E1	3700	3800	32	35	1-0-1	1-0-1	EWS3_B7E130_____-347-480V.IES	EWS3_B7E140_____-347-480V.IES	EWS3_B7E150_____-347-480V.IES
C7	D1	4900	5000	41	45	1-0-1	1-0-1	EWS3_C7D130_____-347-480V.IES	EWS3_C7D140_____-347-480V.IES	EWS3_C7D150_____-347-480V.IES
	E1	4900	5000	41	45	1-0-1	1-0-1	EWS3_C7E130_____-347-480V.IES	EWS3_C7E140_____-347-480V.IES	EWS3_C7E150_____-347-480V.IES
D3	D1	6500	6700	67	67	2-0-1	2-0-1	EWS3_D3D130_____.IES	EWS3_D3D140_____.IES	EWS3_D3D150_____.IES
	E1	6500	6700	67	67	2-0-1	2-0-1	EWS3_D3E130_____.IES	EWS3_D3E140_____.IES	EWS3_D3E150_____.IES
E3	D1	8200	8600	90	90	2-0-2	2-0-2	EWS3_E3D130_____.IES	EWS3_E3D140_____.IES	EWS3_E3D150_____.IES
	E1	8200	8600	90	90	2-0-1	2-0-1	EWS3_E3E130_____.IES	EWS3_E3E140_____.IES	EWS3_E3E150_____.IES

Photometrics

EWS3 - Asymmetric Forward (D1)
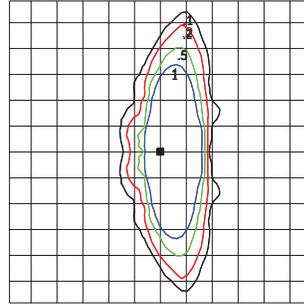### 8,600 Lumens, 5000K (EWS3_E3D150_____.IES)

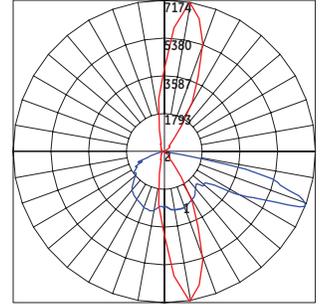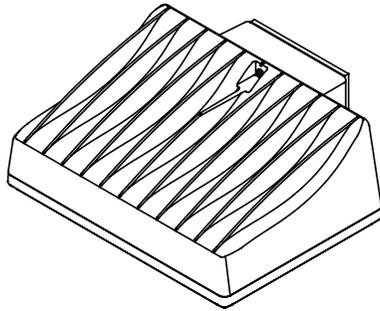Grid Distance in Units of Mounting Height at 12'
Initial Footcandle Values at Grade

Polar Trace Vertical and Horizontal Plane through
Horizontal Angle of Maximum Candlepower

EWS3-Asymmetric Medium (E1)
8,600 Lumens, 5000K (EWS3_E3E150_____.IES)

Grid Distance in Units of Mounting Height at 12'
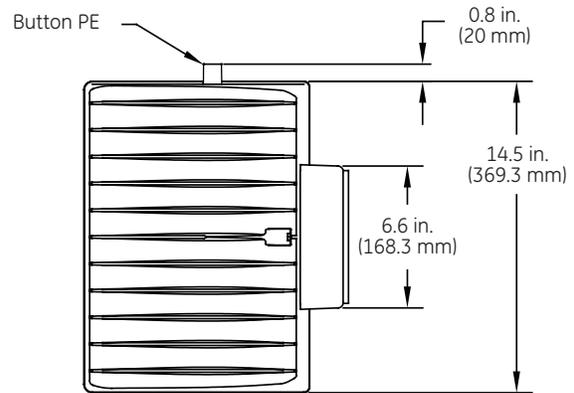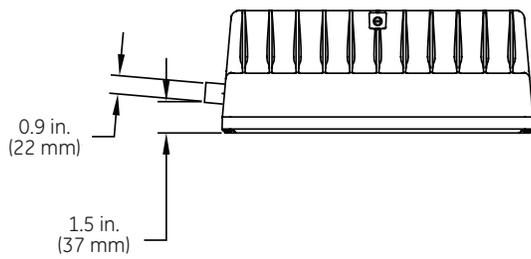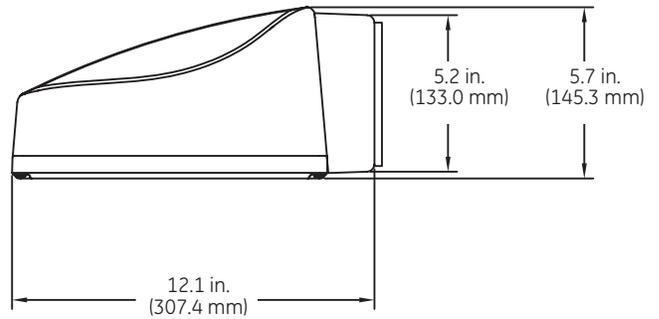Initial Footcandle Values at Grade

Polar Trace Vertical and Horizontal Plane through
Horizontal Angle of Maximum Candlepower
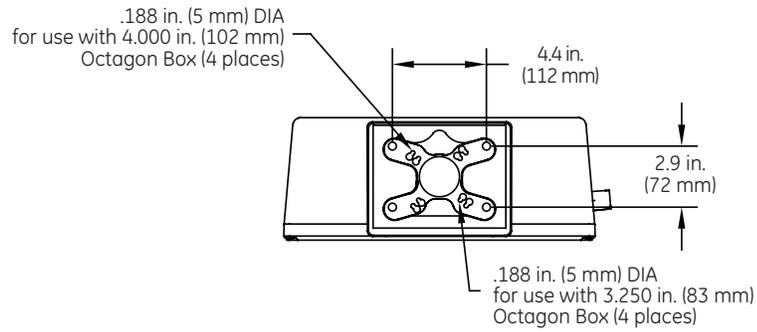
Product Dimensions

Top/Side View

Top View

Button PE

0.8 in.
(20 mm)

14.5 in.
(369.3 mm)

6.6 in.
(168.3 mm)

Front View

0.9 in.
(22 mm)

1.5 in.
(37 mm)

Side View

5.2 in.
(133.0 mm)

5.7 in.
(145.3 mm)

12.1 in.
(307.4 mm)

Product Dimensions

Back View

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

4.4 in.
(112 mm)

2.9 in.
(72 mm)

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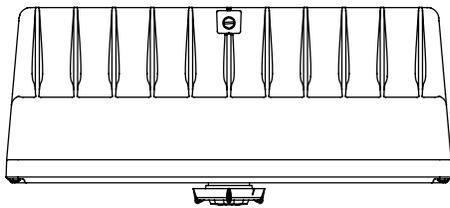for use with 3.250 in. (83 mm)
Octagon Box (4 places)

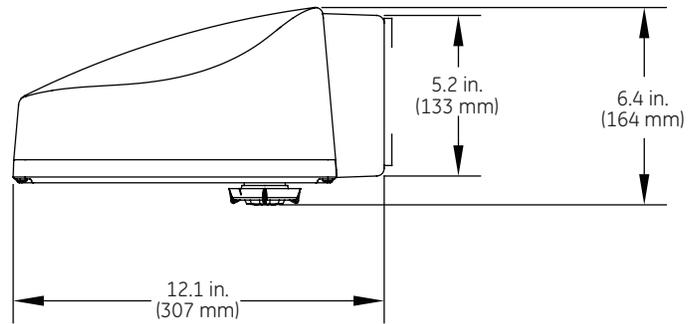**DATA**

• Approximate Net Weight: 21 lbs (9.53 kgs)

**Front View with Motion
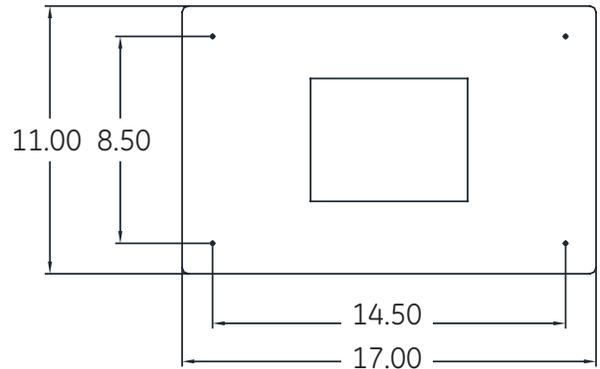Sensor Option**

**Side View with Motion
Sensor Option**

5.2 in.
(133 mm)

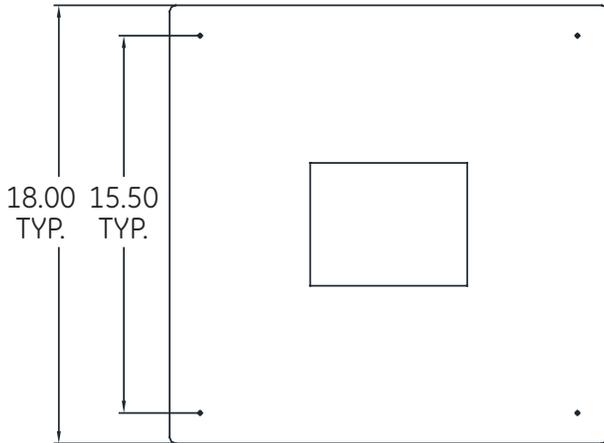6.4 in.
(164 mm)

12.1 in.
(307 mm)
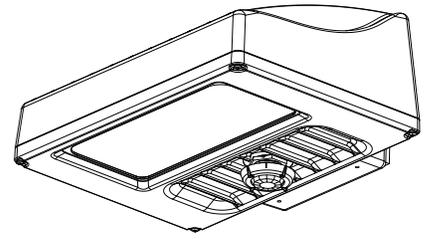
Accessories:

Escutcheon Plates

Cover unsightly debris and marks left behind from replacing HID product with escutcheon plates. Available in square and rectangular sizes, as well as in an assortment of colors to match the luminaire. Accessories are ordered and shipped separately from the luminaire.

E W N   E   _   _ _ _ _

PROD. ID	PHOTOMETRIC SERIES	DETAIL	COLOR
E = Evolve **W** = Wall Pack **N** = Housing Series	**E** = Escutcheon Plate	**1** = 17" x 11" **2** = 18" x 18"	**BLCK** = Black **DKBZ** = Dark Bronze **GRAY** = Gray **WHTE** = White RAL custom colors available. Contact Manufacturer.

18.00 TYP.   15.50 TYP.

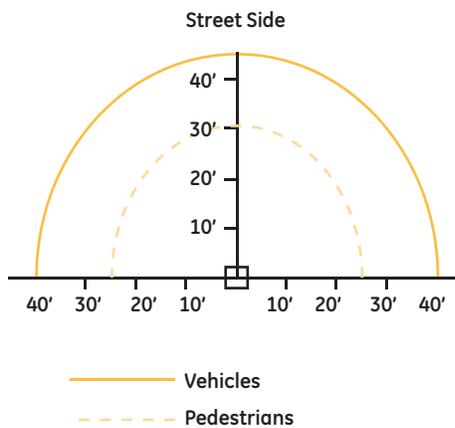11.00   8.50

14.50

17.00

H-Motion Sensing Option:

- Intended for 8-25ft mounting heights.
- Provides a coverage area radius for walking motion of 25-30ft.
- Provides 180° of coverage (~180° is blocked by the wall).
- Factory preset to 50% dimming with no occupancy.
- May be reprogrammed using additional remote programmer.
  Remote Programmer part number: WS FSIR-100 PROGRAMMER (197634)
- Photoelectric control is integrated through the motion sensor, and is offered as standard.

Sensor Pattern:

**Sensing Pattern Wall Pack Fixture
Up to 25ft.**

Street Side

40'
30'
20'
10'

40' 30' 20' 10'   10' 20' 30' 40'

——— Vehicles

- - - - Pedestrians