Evolve®

Compact Low Wattage Area Light

EACL

current
powered by GE

Product Features

Current's EAL Series of Area Light Luminaires offer a wide range of optical patterns, color temperatures, lumen packages, and mounting configurations to optimize area light applications, as well as provide versatility in lighting design within the same form factor.

The new Compact Low Wattage Area Light (EACL) expands the range of lumen packages down to 3,000 Lumens to meet the needs of applications requiring lower lumens. The EACL is an ideal cost effective solution for smaller Commercial and Retail exterior applications requiring between 3,000 and 20,000 Lumens.

The EACL features our innovative highly flexible Universal Mounting Arm option, which provides installers the ability to mount EAL fixtures on both round and square poles of multiple sizes. In addition, it features both in-line and offset bolt patterns allowing it to easily be affixed to the majority of bolt patterns one would find in the field.

Applications

- Site and area light applications such as parking lots, retail exteriors, commercial exteriors, and other general spaces.

Housing

- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer, and long LED life.
- Die cast aluminum housing
- 3G vibration per ANSI C136.31-2018

LED & Optical Assembly

- LM-79 tests and reports in accordance with IESNA standards
- Upward Light Output Ratio (ULOR) = 0 (horizontal orientation)
- 70 CRI at 3000K, 4000K and 5000K
- Distributions: II, III, IV

Lumen Maintenance

- Projected Lxx per IES TM-21 at 25 °C for reference:

EACL01 OPTICAL CODE	LXX(10K)@HOURS 25,000 HR	50,000 HR	60,000 HR
A2, A3, A4, B2, B3, B4, C2, C3, C4 D2, D3, D4, E2, E3, E4, F2, F3, F4	L94	L90	L88
H2,H3, H4	L97	L96	L96

NOTES: Projected Lxx based on LM80 (10,000 hour testing). Accepted industry tolerances apply to initial luminous flux and lumen maintenance measurements.

Lumen Ambient Temperature Factors:

Ambient Temp (°C)	Initial Flux Factor
10	1.02
20	1.01
25	1.00
30	0.99
40	0.98

Ratings

- IP66 optical enclosure per ANSI C136.25-2013
- Operating Temperature –40°C to +50°C
- c UL cUL Listed
- UL UL 1598 Listed Suitable for Wet Locations

Mounting

Option C1 (Standard)

- Integral Slipfitter for 1.25"-2" Pipe (1.66in. OD-2.378in. OD) supplied with leads. +/- 5 deg adjustment for leveling.

Option D1

- Universal Mounting Arm, fitted for round or square pole mounting supplied with 16/3 3ft cable.

Option K1

- Knuckle Slipfitter for 1.9 in. -2.3 in. OD Tenon with leads. Restricted aiming angle 0° to +45°.

Option S1

- Knuckle Slipfitter for 2.3in. - 3.0in OD Tenon with leads. Restricted aiming angle 0° to +45°.

Option V1

- Knuckle Wall Mount with leads. Restricted aiming angle 0° to +45°.

Finish

- Corrosion resistant polyester powder paint, minimum thickness 2.0 mil.
- Standard colors: Black, Dark Bronze, Gray & White.
- RAL & custom colors available.
- Optional coastal finish available.

Electrical

- 120-277 VAC and 347-480 VAC available.
- System power factor is ≥90% and THD ≤20%.*
- ANSI C136.41 7-pin dimming receptacle, optional.
- ANSI photo electric sensors (PE) for all voltages, optional.
- Dimming/Occupancy:
  - Externally wired 0-10V dimming, optional.
  - Standalone dimming occupancy sensor available
  - Daintree occupancy sensor available.
- Surge Protection per ANSI C136.2-2015.
  - 6kV/3kA "Basic" surge protection, standard.
  - 10kV/5kA "Enhanced" surge protection optional.

** System PF and THD specified at rated watts*

Warranty

- 5 Year Standard

Accessories

- See Page 7 for PE Controls and Light Shield Information

Ordering Number Logic

Evolve® Compact Low Wattage Area Light (EACL)

Project name _____

Date _____

Type _____

EACL 01 _ __ __ 7 __ _ _ __ ____ ___

PROD. ID	GENERATION	VOLTAGE	OPTICAL CODE	DISTRIBUTION	CRI	CCT	DIMMING	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E = Evolve **AC**= Compact Area Light **L** = Low Wattage	**01** = 1st Generation	**0** = 120-277* **H** = 347-480* **1** = 120 **2** = 208 **3** = 240 **4** = 277 **5** = 480 **D** = 347 * Not available with Fusing. Must choose a discrete voltage with F Option.		**AF** = Asymmetric Forward **AW** = Asymmetric Wide **AN** = Asymmetric Narrow/Auto	**7** = 70 (min)	**30** = 3000K **40** = 4000K **50** = 5000K	**N** = Dimming thru PE receptacle **D** = External Dimming 18/2-3ft cable **X** = Non-Dimmable **Note:** Standard dimming 0-10V	**1** = None **A** = ANSI 7-pin PE receptacle (no control) **D** = ANSI 7-pin PE receptacle with shorting cap provided	**C1** = Integral Slip-fitter for 1.25"- 2" Pipe (1.66in. OD - 2.378 in. OD)* **Note:** C1 Comes Standard **D1** = Universal Mounting Arm, fitted for round or square pole mounting** **K1** = Knuckle Slipfitter for 1.9 in - 2.3in. OD Tenon* ++ **S1** = Knuckle Slipfitter for 2.3in. - 3.0in OD Tenon* ++ **V1** = Knuckle Wall Mount* ++ * Supplied with 3ft leads ** Supplied with 16/3 3ft cable ++ Restricted Aiming Angle 0° to +45°	**GRAY** = Gray **BLCK** = Black **DKBZ** = Dark Bronze **WHTE** = White	**F** = Fusing **H** = Motion Sensor (Sensor Switch) **H1** = Motion Sensor w/LightGrid **H2** = Motion Sensor (Daintree) **J** = cUL/Canada **L** = Tool-Less Entry **R** = Enhanced Surge Protection (10kV/5kA) **U** = DALI dimming+^ **V** = 3-Position Terminal Block **Y** = Coastal Finish **XXX** = Special Options + Compatible with LightGrid Wireless Control System Nodes ^ Not compatible with motion sensor control

	OPTICAL CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS 3000K	TYPICAL INITIAL LUMENS 4000K & 5000K	TYPICAL SYSTEM WATTAGE 120-277V	TYPICAL SYSTEM WATTAGE 347-480V	BUG RATING 3000K B-U-G	BUG RATING 4000K & 5000K B-U-G	IES FILE NUMBER 3000K	IES FILE NUMBER 4000K	IES FILE NUMBER 5000K
TYPE IV	A4	Asymmetric Forward (AF)	2900	3000	21	23	B1-U0-G1	B1-U0-G1	EACL01_A4AF730_-120-277V.IES / EACL01_A4AF730_-347-480V.IES	EACL01_A4AF740_-120-277V.IES / EACL01_A4AF740_-347-480V.IES	EACL01_A4AF750_-120-277V.IES / EACL01_A4AF750_-347-480V.IES
	B4		4900	5000	36	38	B1-U0-G1	B1-U0-G1	EACL01_B4AF730_-120-277V.IES / EACL01_B4AF730_-347-480V.IES	EACL01_B4AF740_-120-277V.IES / EACL01_B4AF740_-347-480V.IES	EACL01_B4AF750_-120-277V.IES / EACL01_B4AF750_-347-480V.IES
	C4		7300	7500	55		B1-U0-G2	B1-U0-G2	EACL01_C4AF730_.IES	EACL01_C4AF740_.IES	EACL01_C4AF750_.IES
	D4		9800	10000	73		B2-U0-G2	B2-U0-G2	EACL01_D4AF730_.IES	EACL01_D4AF740_.IES	EACL01_D4AF750_.IES
	E4		12200	12500	95		B2-U0-G2	B2-U0-G2	EACL01_E4AF730_.IES	EACL01_E4AF740_.IES	EACL01_E4AF750_.IES
	F4		14700	15000	122		B2-U0-G2	B2-U0-G2	EACL01_F4AF730_.IES	EACL01_F4AF740_.IES	EACL01_F4AF750_.IES
	H4		19000	20000	153		B3-U0-G3	B3-U0-G3	EACL01_H4AF730_.IES	EACL01_H4AF740_.IES	EACL01_H4AF750_.IES
TYPE III	A3	Asymmetric Wide (AW)	2900	3000	21	23	B1-U0-G1	B1-U0-G1	EACL01_A3AW730_-120-277V.IES / EACL01_A3AW730_-347-480V.IES	EACL01_A3AW740_-120-277V.IES / EACL01_A3AW740_-347-480V.IES	EACL01_A3AW750_-120-277V.IES / EACL01_A3AW750_-347-480V.IES
	B3		4900	5100	36	38	B1-U0-G1	B1-U0-G1	EACL01_B3AW730_-120-277V.IES / EACL01_B3AW730_-347-480V.IES	EACL01_B3AW740_-120-277V.IES / EACL01_B3AW740_-347-480V.IES	EACL01_B3AW750_-120-277V.IES / EACL01_B3AW750_-347-480V.IES
	C3		7400	7600	55		B1-U0-G2	B1-U0-G2	EACL01_C3AW730_.IES	EACL01_C3AW740_.IES	EACL01_C3AW750_.IES
	D3		9900	10200	73		B2-U0-G2	B2-U0-G2	EACL01_D3AW730_.IES	EACL01_D3AW740_.IES	EACL01_D3AW750_.IES
	E3		12400	12700	95		B2-U0-G2	B2-U0-G2	EACL01_E3AW730_.IES	EACL01_E3AW740_.IES	EACL01_E3AW750_.IES
	F3		14900	15300	122		B2-U0-G2	B2-U0-G2	EACL01_F3AW730_.IES	EACL01_F3AW740_.IES	EACL01_F3AW750_.IES
	H3		19300	20400	153		B3-U0-G2	B3-U0-G2	EACL01_H3AW730_.IES	EACL01_H3AW740_.IES	EACL01_H3AW750_.IES
TYPE II	A2	Asymmetric Narrow/Auto (AN)	2900	3000	21	23	B1-U0-G1	B1-U0-G1	EACL01_A2AN730_-120-277V.IES / EACL01_A2AN730_-347-480V.IES	EACL01_A2AN740_-120-277V.IES / EACL01_A2AN740_-347-480V.IES	EACL01_A2AN750_-120-277V.IES / EACL01_A2AN750_-347-480V.IES
	B2		4900	5000	36	38	B1-U0-G1	B1-U0-G1	EACL01_B2AN730_-120-277V.IES / EACL01_B2AN730_-347-480V.IES	EACL01_B2AN740_-120-277V.IES / EACL01_B2AN740_-347-480V.IES	EACL01_B2AN750_-120-277V.IES / EACL01_B2AN750_-347-480V.IES
	C2		7300	7500	55		B2-U0-G1	B2-U0-G2	EACL01_C2AN730_.IES	EACL01_C2AN740_.IES	EACL01_C2AN750_.IES
	D2		9800	10100	73		B2-U0-G2	B2-U0-G2	EACL01_D2AN730_.IES	EACL01_D2AN740_.IES	EACL01_D2AN750_.IES
	E2		12300	12600	95		B2-U0-G2	B2-U0-G2	EACL01_E2AN730_.IES	EACL01_E2AN740_.IES	EACL01_E2AN750_.IES
	F2		14700	15100	122		B3-U0-G2	B3-U0-G3	EACL01_F2AN730_.IES	EACL01_F2AN740_.IES	EACL01_F2AN750_.IES
	H2		19100	20200	153		B3-U0-G3	B3-U0-G3	EACL01_H2AN730_.IES	EACL01_H2AN740_.IES	EACL01_H2AN750_.IES

Photometrics

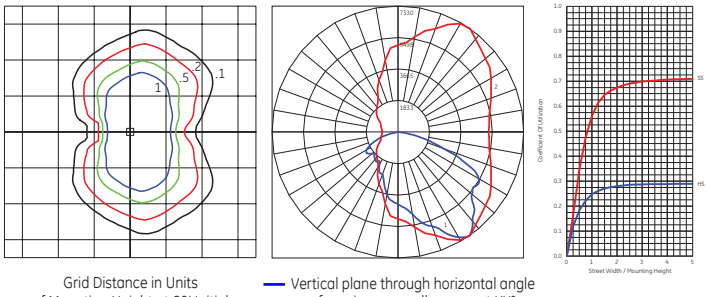
Evolve® Compact Low Wattage Area Light (EACL)

Project name _____

Date _____

Type _____

EACL Type II - Very Short
15,100 Lumens (EACL01_F2AN750___.IES)

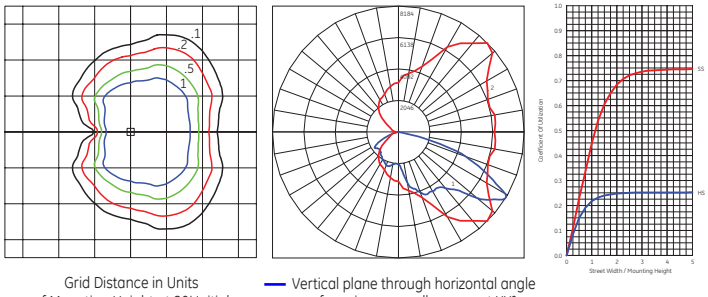


Grid Distance in Units of Mounting Height at 20' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at XX°

— Vertical plane through horizontal angle of XX°

EACL Type III - Short
15,300 Lumens (EACL01_F3AW750___.IES)

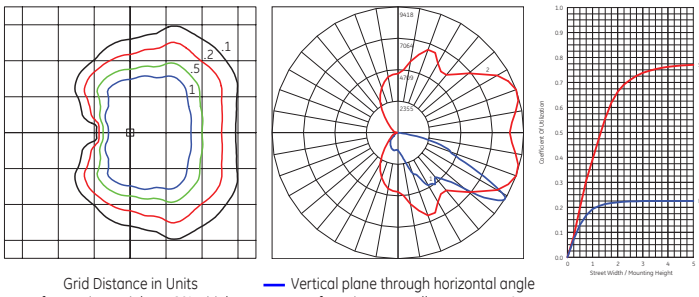


Grid Distance in Units of Mounting Height at 20' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at XX°

— Vertical plane through horizontal angle of XX°

EACL Type III - Very Short
15,000 Lumens (EACL01_F4AF750___.IES)

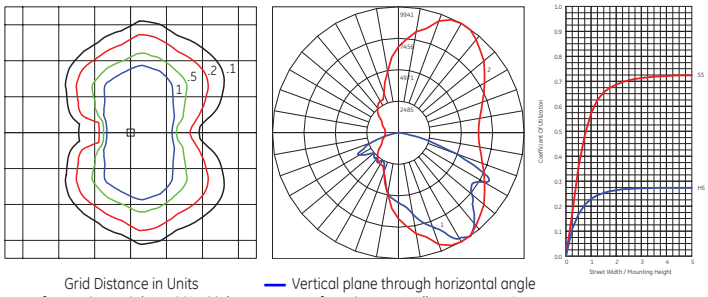


Grid Distance in Units of Mounting Height at 20' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at XX°

— Vertical plane through horizontal angle of XX°

EACL Type II - Very Short
20,200 Lumens (EACL01_H2AN750___.IES)

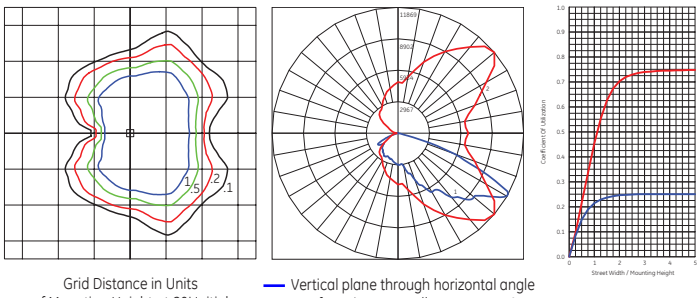


Grid Distance in Units of Mounting Height at 20' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at XX°

— Vertical plane through horizontal angle of XX°

EACL Type III - Short
20,400 Lumens (EACL01_H3AW750___.IES)

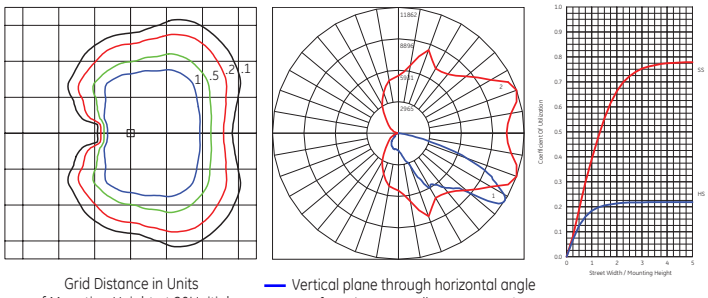


Grid Distance in Units of Mounting Height at 20' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at XX°

— Vertical plane through horizontal angle of XX°

EACL Type IV - Very Short
20,000 Lumens (EACL01_H4AF750___.IES)



Grid Distance in Units of Mounting Height at 20' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at XX°

— Vertical plane through horizontal angle of XX°

Product Dimensions

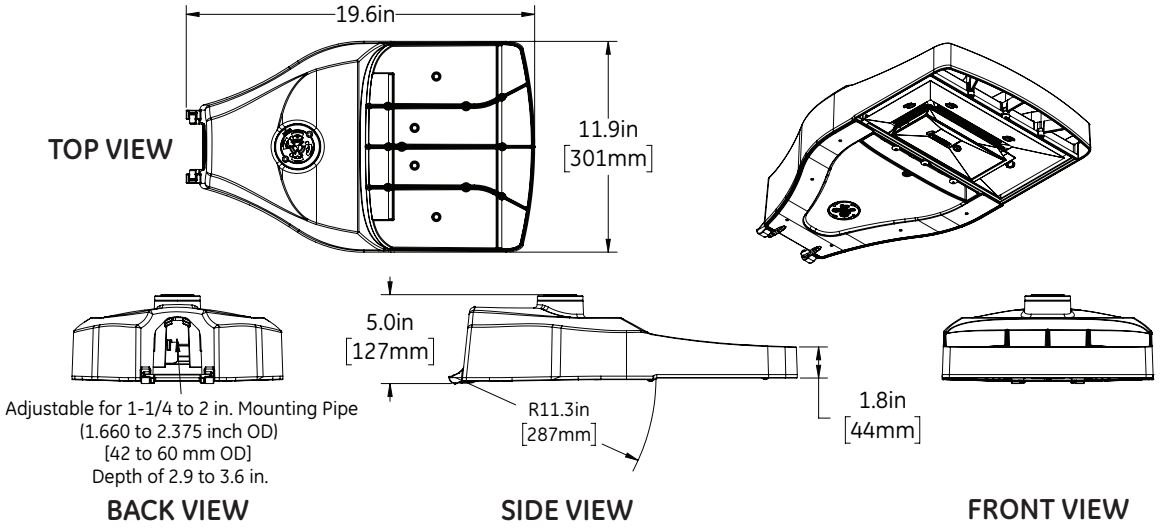
Evolve® Compact Low Wattage Area Light (EACL)

Project name _____

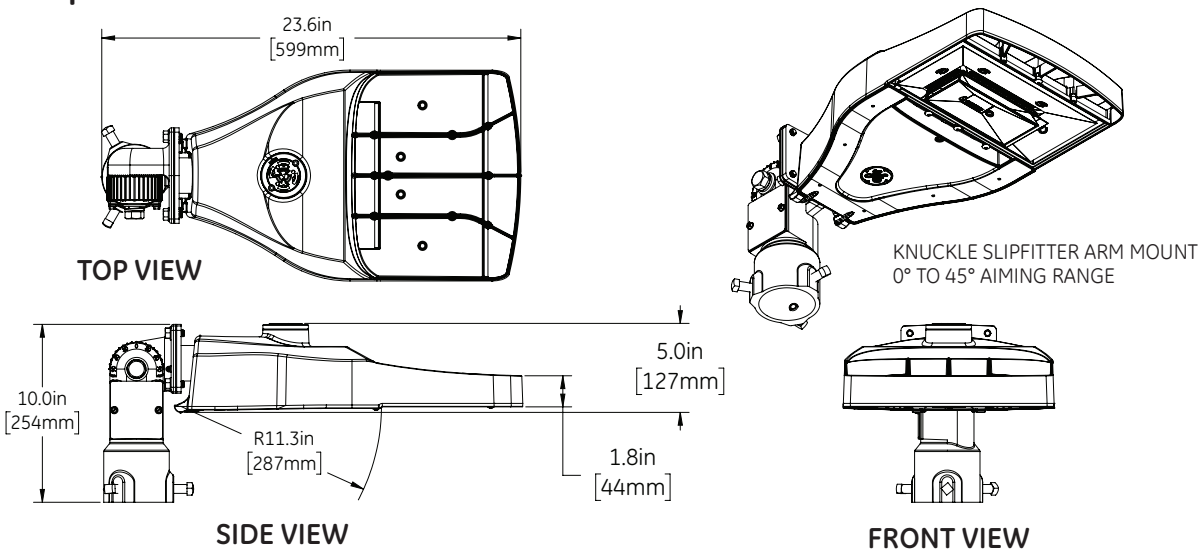
Date _____

Type _____

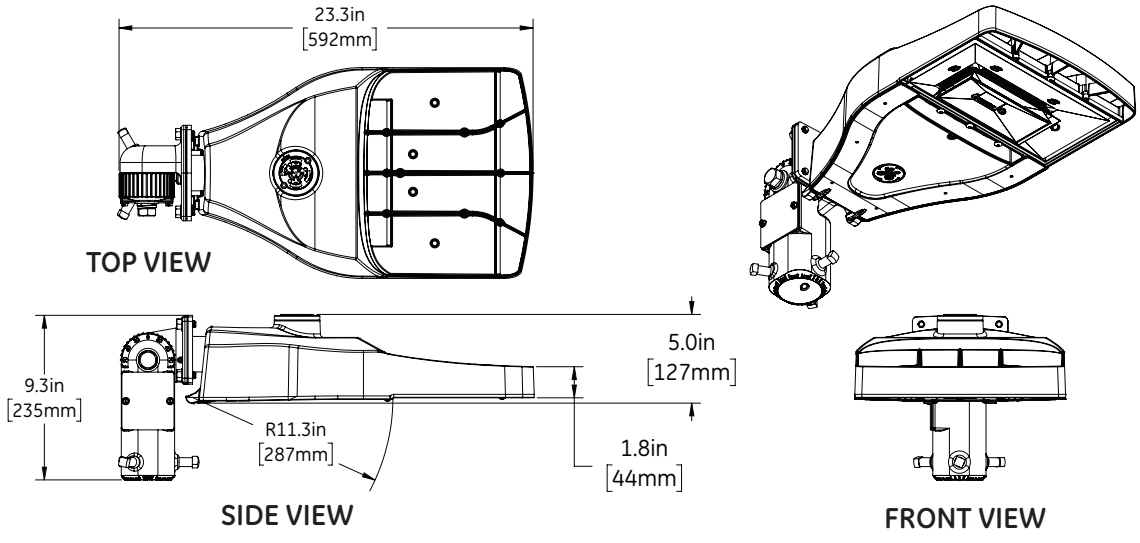
Integral Slipfitter: C1



Knuckle Slipfitter: S1



Knuckle Slipfitter: K1



Product Dimensions

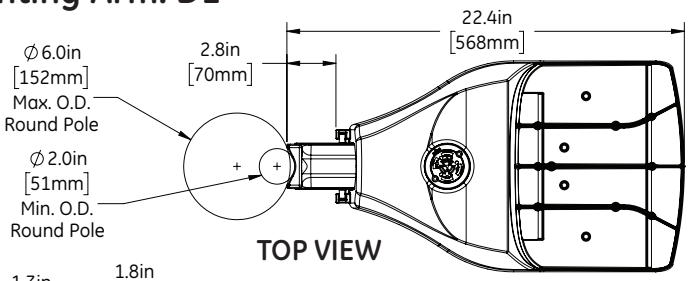
Evolve® Compact Low Wattage Area Light (EACL)

Project name _____

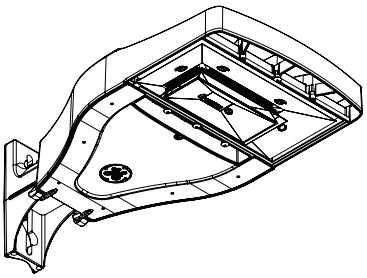
Date _____

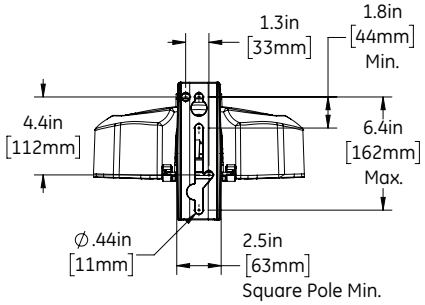
Type _____

Universal Mounting Arm: D1

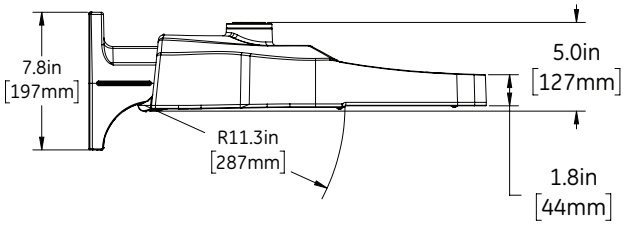


TOP VIEW

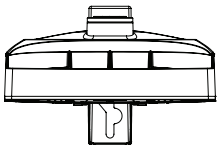




BACK VIEW

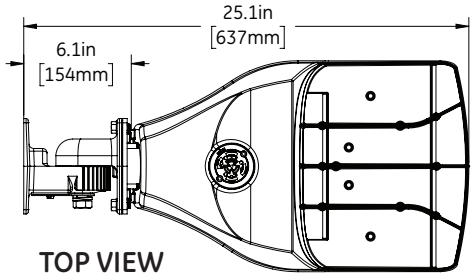


SIDE VIEW

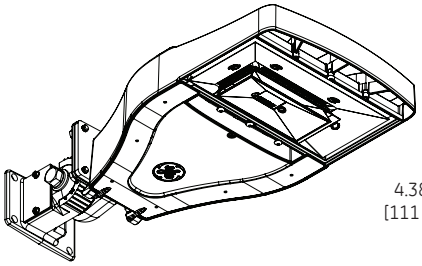


FRONT VIEW

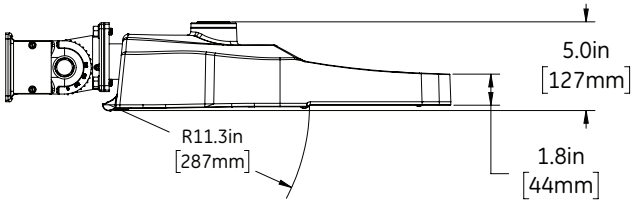
Knuckle Wall Mount: V1



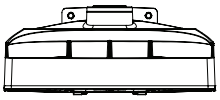
TOP VIEW



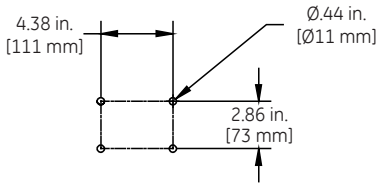
KNUCKLE WALL MOUNT
0° TO 45° AIMING RANGE



SIDE VIEW



FRONT VIEW



Wall Mount Hole Pattern

DATA

- Net Weight: 18 lbs (8.16 kg) Max depending on configuration
- Effective Projected Area (EPA):
  - Integral Slipfitter C1, EPA = 0.31 Min/0.37 Max
  - Universal Arm Mount D1, EPA = 0.31 Min / 0.52 Max
  - Knuckle Slipfitter S1, K1 downward aim, EPA = 0.46 Min / 0.56 Max
  - Knuckle Slipfitter S1, K1 45° aim, EPA = 0.56 Min / 1.03 Max

Accessories

Evolve® Compact Low Wattage Area Light (EACL)

Project name _____

Date _____

Type _____

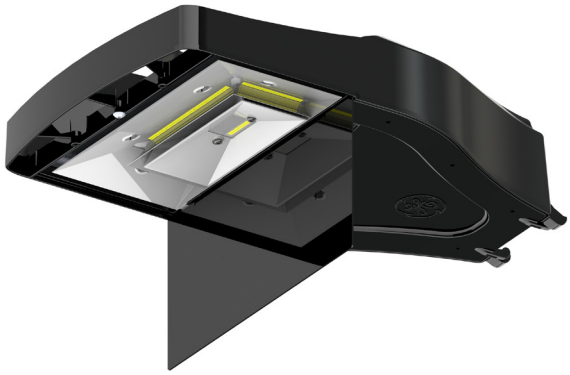
PE Accessories (to be ordered separately)

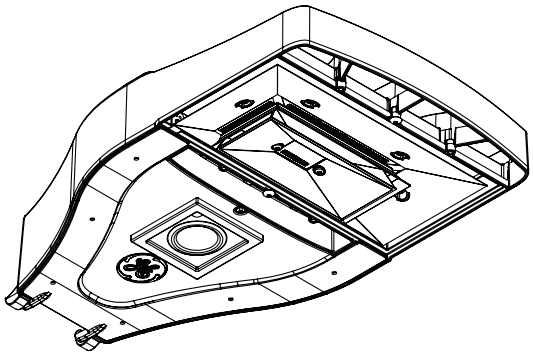
SAP Number	Part Number	Description
93029237	PED-MV-LED-7	ANSI C136.41 Dimming PE, 120-277V
93029238	PED-347-LED-7	ANSI C136.41 Dimming PE, 347V
93029239	PED-480-LED-7	ANSI C136.41 Dimming PE, 480V

SAP Number	Part Number	Description
28299	PEC0TL	STANDARD 120-277V
28294	PEC5TL	STANDARD 480V
80436	PECDTL	STANDARD 347V
73251	SCCL-PECTL	Shorting cap

Back Light Shield

Shield Orientation	Cutoff Distance	Shield Order Logic
Back	Long	ELS-EAC-ABL-BLCK



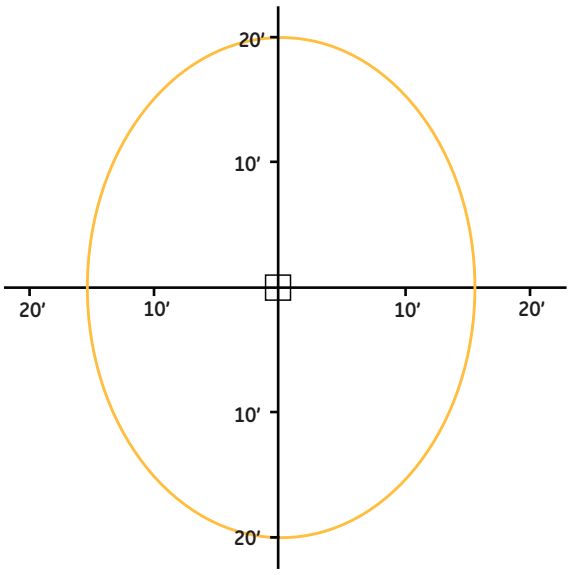


H-Motion Sensing Option

- Intended for applications, between 15-30 ft. mounting height. (4.57-9.14m). For mounting heights exceeding 30 ft., pole mounted sensors are recommended.
- Provides a coverage area radius for walking motion of 15-20 ft. (4.57-6.10m).
- Provides 270° of coverage (~90° is blocked by the pole).
- Standard factory settings:
  - 50% output when unoccupied, 100% output occupied.
  - Integral PE Sensor.
  - 5 minute post-occupancy time delay, 5 minute dimming ramp-down.
- Fixture power increase of 1W expected with sensor use.

Note: Standard options may be reprogrammed in the field. Reprogramming instructions included in product shipment.

Sensor Pattern



Sensing Pattern Area Fixture
Up to 30 ft. Mounting Height

Mounting Information

Evolve® Compact Low Wattage Area Light (EACL)

Project name _____

Date _____

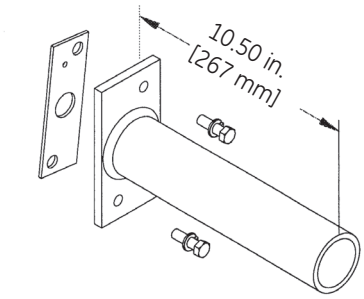
Type _____

Mounting Arms for Slipfitter

Order separately with Mounting Option C1 (Slipfitter)

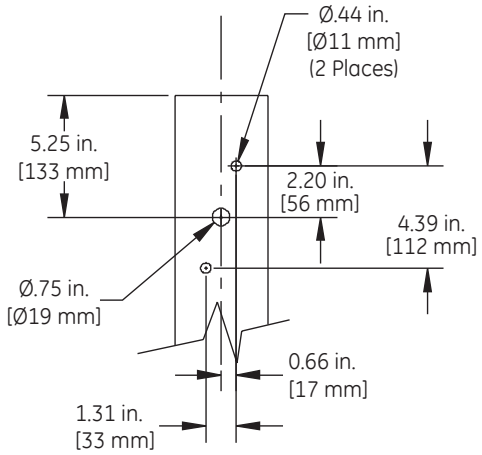
SQUARE POLE MOUNTING ARM

3.5 TO 4.5-inch (89 to 114mm) SQUARE
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)



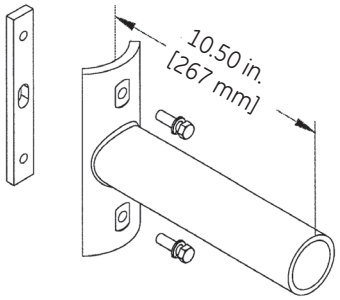
ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
SPA-EAMT10BLCK "Black"
SPA-EAMT10DKBZ "Dark Bronze"
SPA-EAMT10WHTE "White"
SPA-EAMT10GRAY "Gray"

SQUARE POLE MOUNTING DRILLING TEMPLATE



ROUND POLE MOUNTING ARM

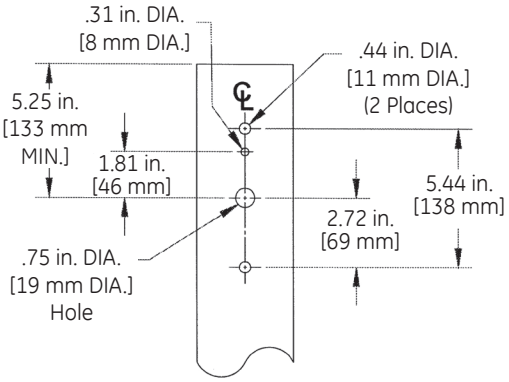
3.5 TO 4.5-inch (89 to 114mm) OD
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)



ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
RPA-EAMT10BLCK "Black"
RPA-EAMT10DKBZ "Dark Bronze"
RPA-EAMT10WHTE "White"
RPA-EAMT10GRAY "Gray"

ROUND POLE MOUNTING DRILLING TEMPLATE

3.5 TO 4.5-inch (89 to 114mm) OD
round pole mounting arm

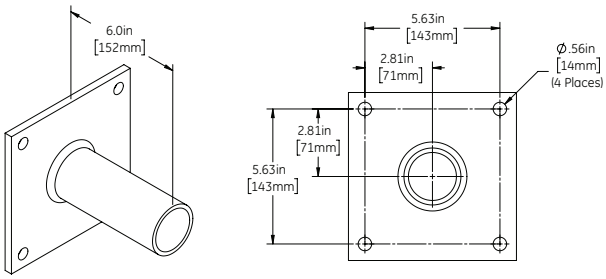


Wall Mounting Bracket Adapter Plate

ORDER SEPERATELY FROM FIXTURE AS CATALOG NUMBER
WMB-EAMT06
NOTE: For Wall Mounting, order luminaire with mounting arm: C1 = Slipfitter 2" Pipe (2.378 in. OD) supplied with leads.

Other mounting patterns are available for retrofit installations. Contact manufacturing for other available mounting patterns.

WALL MOUNTING BRACKET HOLE PATTERN



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