

GE
Lighting Solutions

Evolve™ LED Area Light

Medium Thin Profile (EAMT)



imagination at work

Product Features

GE Lighting Solutions designed this luminaire using both fixture and LED application expertise to bring unmatched product quality and reliability with optical leadership and understanding of customer needs. This product can easily achieve IESNA RP-20 horizontal illuminance requirements while exceeding MAX/MIN uniformity requirements. This sleek and robust fixture is now available with a new, higher light output Type V option (D5) that produces 19,000 lumens.

Applications

- For 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.
- Ideal for commercial and medical properties, large malls, and big box retailers.

Housing

- Die-cast aluminum housing.
- Slim architectural design incorporates a heat sink directly into the unit ensuring maximum heat transfer, long LED life and a reduced Effective Projected Area (EPA).
- Meets 2G vibration standards per ANSI C136.32-2001. For 3G rating contact factory.

LED & Optical Assembly

- Optimized LED array based on distribution pattern.
- Utilizes high brightness LEDs, 70 CRI at 6000K typical. D5 available in 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 assembly per ANSI C136.25-2009.
- Temperature rated at -40°C to 50°C.

Mounting

Option A

- 10-inch (254mm) mounting arm for square pole with easy-connect terminal board.

Option B

- 10-inch (254mm) mounting arm for round pole with easy-connect terminal board.

Option C

- Slipfitter mounting for 2 3/8-inch (60mm) O.D. pipe prewired with 24-inch (610mm) leads.

Finish

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

Electrical

- 120-277 volt and 347-480 volt available.
- 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
- Photo Electric Sensors (PE) available for all voltages.

Warranty

- 5-year limited system warranty standard.

Ordering Number Logic

Medium Thin Profile Fixtures (EAMT)

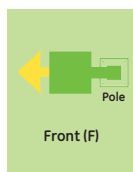


E A M T

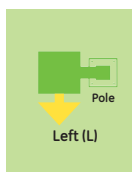
A

PROD. ID	VOLTAGE	OPTICAL CODE	DISTRIBUTION ORIENTATION	LED COLOR TEMP	LENS TYPE	PE FUNCTION	MOUNTING ARM	COLOR	OPTIONS
E = Evolve	0 = 120 - 277 H = 347 - 480		F = Front L = Left R = Right N = Not Applicable*	40 = 4000K* 57 = 5700K* 60 = 6000K**	A = Acrylic	1 = None 2 = PE Rec. 4 = PE Rec. with Shorting Cap 5 = PE Rec. with Control	A = 10" Arm for Square Pole supplied with Terminal Block B = 10" Arm for Round Pole supplied with Terminal Block C = EXT Slipfitter 2" PIPE (2.375 in. OD) supplied with leads	BLCK = Black DKBZ = Dark Bronze Contact factory for other colors	D = Dimmable (0-10 Volt Input)* F = Fusing T = Extra Surge Protection* *Contact factory for availability.
A = Area	1 = 120* 2 = 208* 3 = 240* 4 = 277* 5 = 480* D = 347*			*D5 Distribution Only **Not available in D5 distribution		PE control not available for 347-480V. Must be a discrete voltage.			
M = Medium									
T = Thin									

*Specify single voltage only if fuse option is selected



Front (F)



Left (L)



Right (R)



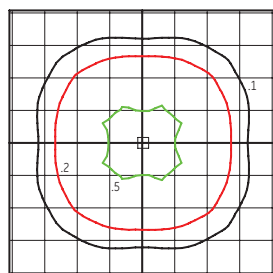
(N) Not Applicable

Light pattern thrown in direction specified in relation to Pole and Fixture.

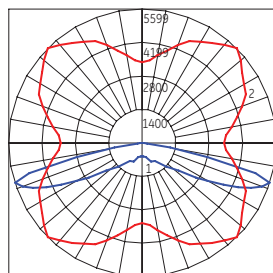
OPTICAL CODE	TYPE	TYPICAL INITIAL LUMENS			TYPICAL SYSTEM WATTAGE		DISTRIBUTION ORIENTATION AVAILABLE	BUG RATINGS			IES FILE NUMBER		
		4000K	5700K	6000K	120-277V	347-480V		4000K			5700K		
								B	U	G	B	U	G
D5	Symmetric Square	17,500	19,000	N/A	270	285	N	5	3	3	5	3	3
S5	Symmetric Square	N/A	N/A	12,300	210	220	N	N/A	N/A	N/A	N/A	N/A	N/A
F4	Asymmetric Forward	N/A	N/A	5,400	94	99	F, L, R	N/A	N/A	N/A	N/A	N/A	N/A
W3	Asymmetric Wide	N/A	N/A	7,200	132	138	F, L, R	N/A	N/A	N/A	N/A	N/A	N/A

Photometrics

EAMT Type V - Symmetric Square (S5)
12,300 Lumens, 6000K (GE454058.ies)

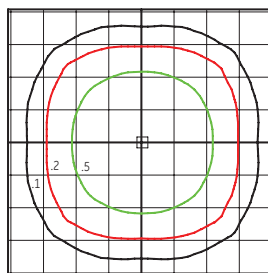


Grid Distance in Units of Mounting Height at 30'
Initial Footcandle Values at Grade

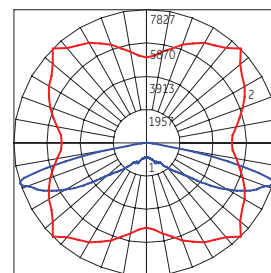


Polar Trace Vertical and Horizontal Plane through Horizontal Angle of Maximum Candlepower

EAMT Type V - Symmetric Square (D5)
19,000 Lumens, 5700K (GE454566.ies)

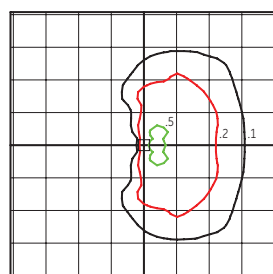


Grid Distance in Units of Mounting Height at 30'
Initial Footcandle Values at Grade

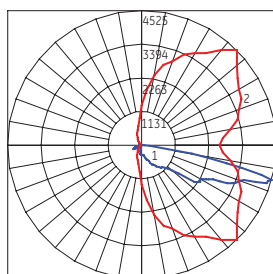


Polar Trace Vertical and Horizontal Plane through Horizontal Angle of Maximum Candlepower

EAMT Type IV - Asymmetric Forward (F4)
5,400 Lumens, 6000K (GE454062.ies)

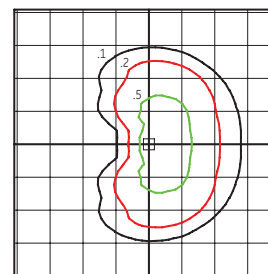


Grid Distance in Units of Mounting Height at 30'
Initial Footcandle Values at Grade

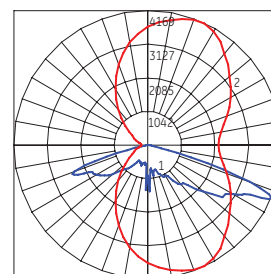


Polar Trace Vertical and Horizontal Plane through Horizontal Angle of Maximum Candlepower

EAMT Type III - Asymmetric Wide (W3)
7,200 Lumens, 6000K (GE454060.ies)



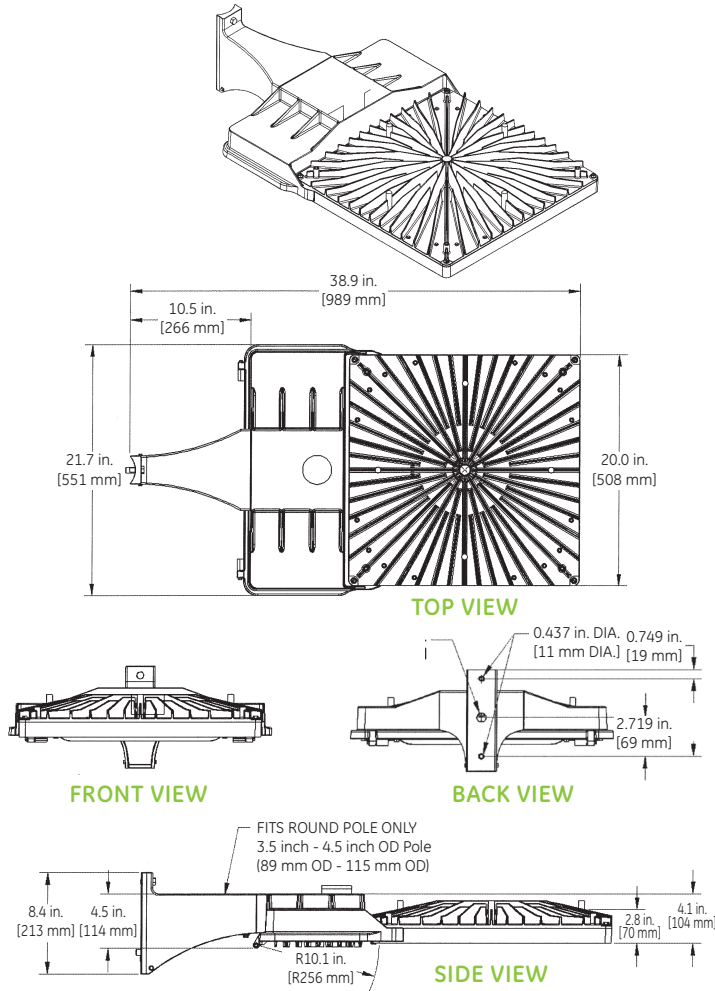
Grid Distance in Units of Mounting Height at 30'
Initial Footcandle Values at Grade



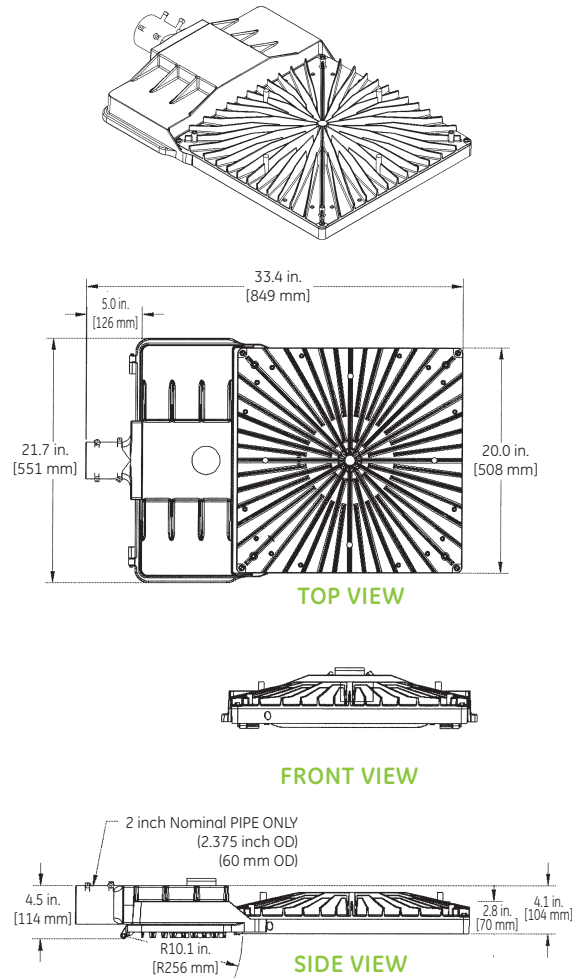
Polar Trace Vertical and Horizontal Plane through Horizontal Angle of Maximum Candlepower

Product Dimensions

10" Arm for Round Pole Mount (Option B)

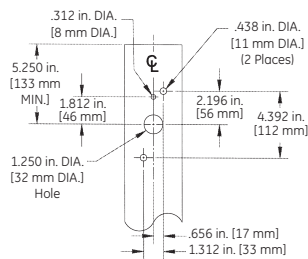


Slipfitter Arm Mount (Option C)



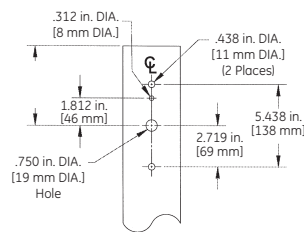
Drilling Templates for Slipfitter Arms & Arm Mount

SQUARE POLE MOUNTING



ROUND POLE MOUNTING

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

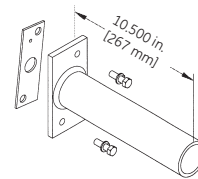


Mounting Arms for Slipfitter

Order separately with Mounting Option C (External Slipfitter)

SQUARE POLE MOUNTING ARM

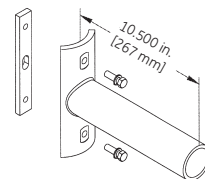
3.5 TO 4.5-inch (89 to 114mm) SQUARE (WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)



ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER SPA-EAMT10BLCK "Black" SPA-EAMT10DKBZ "Dark Bronze"

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"

(FOR RETROFITS INSTALLATIONS OTHER MOUNTING PATTERNS ARE AVAILABLE) CONTACT FACTORY FOR OTHER AVAILABLE MOUNTING PATTERNS

DATA

- Approximate Net Weight: 51-57 lbs (23-26 kgs)
- Effective Projected Area (EPA) with 10" Mounting Arm: 1.35 sq ft max (0.13 sq m)
- Effective Projected Area (EPA) with Slipfitter: 1.19 sq ft max (0.11 sq m)



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1-888-6-9-43-533

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