

GE  
Lighting

# Evolve™ LED Area Lighting

Canopy Light (ECSA)



imagination at work

## Product Features

The GE Evolve™ LED Canopy Light is a bright solution to efficiently illuminate petroleum canopies. This fixture balances the technical needs of a sophisticated LED system with the functional demands of a robust outdoor fixture facing year round weather hazards.

The Evolve LED Canopy Light can be used in conjunction with Evolve LED Area Lights to maximize efficiency for every property regardless of the parking and canopy area layouts.

### Applications

- Designed to meet recommended illuminance requirements for under canopy applications.
- Can be used in conjunction with GE Evolve™ LED Area Lights to maximize efficiency for every property regardless of the parking and canopy area layouts.
- Recessed luminaire is recommended for double deck canopy applications.

### Housing

- This design incorporates the heat sink directly into the unit for heat transfer.



### LED & Optical Assembly

- Structured LED array for simple symmetric distribution required by under canopy applications
- Utilizes high brightness LEDs, 70 CRI at 5000K.
- LM-79 tests and reports are performed in accordance to IESNA standards.

### Lumen Maintenance

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

### Ratings

- /  listed, suitable for wet locations per UL 1598.
- IP65 rated optical enclosure per ANSI C136.25-2009.
- Temperature rated at -40° to 40°C for surface mount and 25°C for recessed mount.
- Upward Light Output Ratio (ULOR) = 0.
- Compliant with the material restriction requirements of RoHS.

### Mounting

- Various options available for both new construction and retrofit requirements.

### Finish

- Corrosion resistant polyester powder painted.
- Standard color: White.

### Electrical

- 120-277 volt.
- System power factor is >90% and THD <20%\*
- Class "A" Sound rating.
- EMI: Title 47 CFR 15 Class A.

*\* System power factor and THD is tested and specified at 120V input and maximum load conditions.*

### Warranty

- 5-year limited system warranty standard.

# Ordering Number Logic

## Evolve™ LED Canopy Light (ECSA)



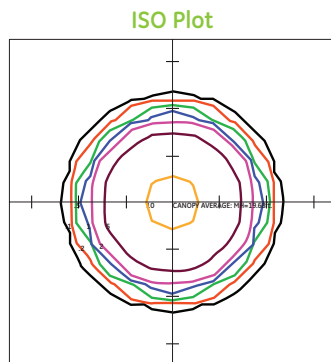
**E C S A**    **0**    **B**    **5**    **7**    **50**    **1**    **---**    **W H T E**    **---**

PROD. ID	VOLTAGE	OPTICAL CODE	PHOTOMETRIC TYPE	DRIVE CURRENT	LED COLOR TEMP	PE FUNCTION	MOUNTING	COLOR	OPTIONS
E = Evolve C = Canopy S = Series "S" A = Photometric Series A	0 = 120 - 277	B	5 = Symmetric Medium	7 = 700mA	50 = 5000K	1 = None	A* = Recessed - 12" B* = Recessed - 16"  * Recommended for double deck canopy applications	W H T E = White	XXX = Special Options

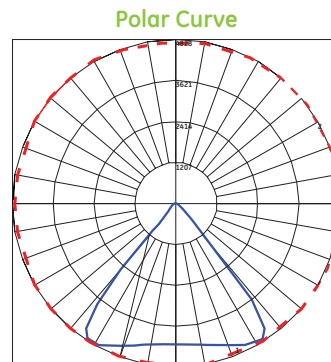
OPTICAL CODE	PHOTOMETRIC TYPE	TYPICAL INITIAL LUMENS	TYPICAL SYSTEM WATTAGE	IES FILE NUMBERS
B	5	7200	85	456328

## Photometrics

**ECSA**  
**Symmetric Short (B5)**  
7,200 Lumens  
5000K  
GE456328.ies



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

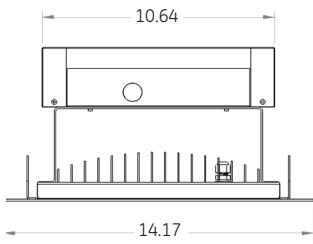


— Polar Trace Vertical and Horizontal  
- - Plane through Horizontal Angle of Maximum Candlepower

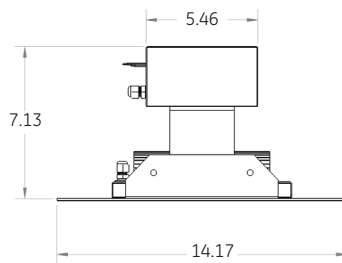
# Product Dimensions

## Evolve™ LED Canopy Light (ECSA)

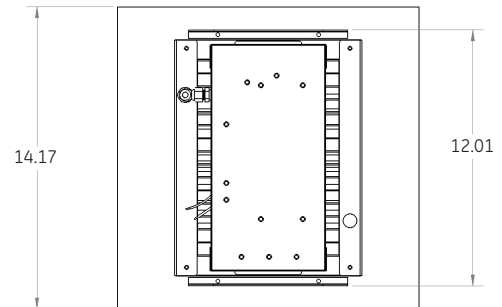
### Recessed Mount 12"



Front View

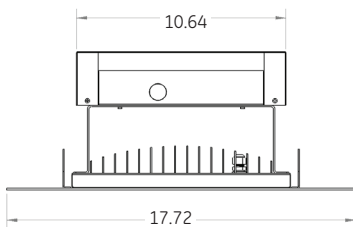


Side View

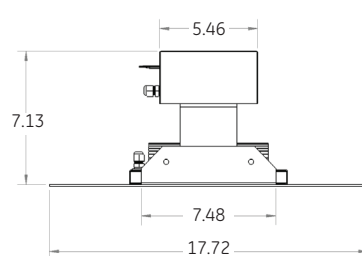


Top View

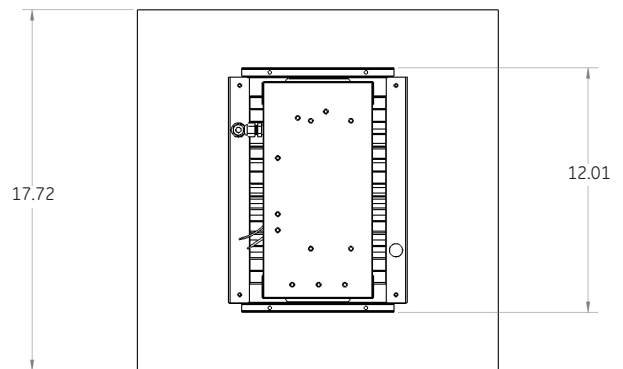
### Recessed Mount 16"



Front View



Side View



Top View

#### DATA

- Approximate Net Weight: Recessed Mount with 12" Mounting Kit 14.25 lbs (6.46kg)
- Suggested Mounting Height: 19.69 ft (6m)
- Effective Projected Area (EPA): 0.17 ft (0.053m<sup>2</sup>)



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