Product Features

The next evolution of the GE Evolve™ LED Area Light continues to deliver outstanding features, while adding greater flexibility, style and scalability. This latest design offers higher lumen outputs and provides photometric combinations with high efficacy, providing the ability to meet even a wider range of area lighting needs. Additionally, the new EASC Evolve Luminaire comes with a specially designed auto dealership optic for exceptional illuminance on the dealership’s front row. Optional programmable motion sensing for Title 24 compliance is available.

Applications

- Site, area, and general lighting applications 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 small to large retailers, commercial to medical properties, and big box retailers.

Housing

- Die-cast aluminum housing.
- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer, long LED life, and a reduced Effective Projected Area (EPA).

LED & Optical Assembly

- Structured LED arrays for optimized area light photometric distribution.
- Evolve light engine with directional reflectors designed to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 70 CRI at 4000K and 5000K typical.

Lumen Maintenance

- Projected L90>100,000 hours per IES TM-21
- Projected Lxx per IES TM-21 at 25°C for reference:

<table>
<thead>
<tr>
<th>Optical Codes</th>
<th>Lxx (10K @ Hours)**</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25,000 hr</td>
</tr>
<tr>
<td>All up to 398 Watts</td>
<td>L98</td>
</tr>
</tbody>
</table>

Note: *Projected Lxx based on LM80 (10,000 hour testing). **Projected Lxx based on LM80 (6,000 hour testing).

DLC Standard qualified models available. Most SKUs of L-Series & V-Series will not meet DLC 4.1. Please refer to the DLC QPL website for the latest and most complete information. www.designlights.org/QPL

Ratings

- Listed, suitable for wet locations.
- Listed with option code “J” SKUs.
- Temperature rated at –40° to 50°C (~–40° to 35°C for fixtures over 390 watts).
- Upward Light Output Ratio (ULOR) = 0.
- Title 24 compliant with “H” motion sensor option.
- Compliant with the material restriction requirements of RoHS.

Mounting

Option A
- 10-inch (254mm) mounting arm for square pole prewired with 24-inch (610mm) leads.

Option B
- 10-inch (254mm) mounting arm for round pole prewired with 24-inch (610mm) leads.

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

Option D
- 10-inch (254mm) mounting arm for round or square pole prewired with 24-inch (610mm) leads.

Option S
- Knuckle Slipfitter mounting for 2.3-3” O.D. pipe, pre-wired 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.
- Photo electric sensors (PE) available for all voltages.
- ANSI C136.41 dimmable PE receptacle is available making the unit “adaptive controls ready.”
- Surge Protection Options:
  - For 120-277VAC and 347-480VAC per IEEE/ANSI C136.2-2015.
    - 6kV/3kA “Basic” surge protection, standard.
    - 10kV/5kA “Enhanced” surge protection available with R option.

* System power factor and THD is tested and specified at 120V input and maximum load conditions.
### Ordering Number Logic

**Evolve™ LED Scalable Area Light (EASC)**

#### EASC LED Scalable Area Light (EASC)

**Ordering Number Logic**

<table>
<thead>
<tr>
<th>ABCD</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 = Evolve</td>
<td>= Photometric</td>
<td>= Voltage</td>
<td>= Optical Code</td>
<td>= Distribution Orientation</td>
<td>= LED Color Temp</td>
</tr>
<tr>
<td>1 = Area</td>
<td>= Series</td>
<td>= Code</td>
<td>= F = First Pole</td>
<td>= S = Second Pole</td>
<td></td>
</tr>
<tr>
<td>2 = Scalable</td>
<td>= VOLTAGE</td>
<td>= CODE</td>
<td>= Right</td>
<td>= Left</td>
<td></td>
</tr>
<tr>
<td>3 = 120-277V</td>
<td>= 4000K</td>
<td>= 5000K</td>
<td>= Not Applicable</td>
<td>= None</td>
<td></td>
</tr>
<tr>
<td>4 = 277-347V</td>
<td>= 525mA</td>
<td>= 300mA</td>
<td>= Right</td>
<td>= Left</td>
<td></td>
</tr>
<tr>
<td>5 = 347-480V</td>
<td>= 5000K</td>
<td>= 4000K</td>
<td>= Not Applicable</td>
<td>= None</td>
<td></td>
</tr>
</tbody>
</table>

**Typical System Wattage**

- 120-277V 347-480V
- 240V
- 277V
- 347V
- 5000K
- 4000K

**Available Options**

- **A** = ANSI C136.41
- **B** = ANSI C136.41
- **C** = ANSI C136.41
- **D** = ANSI C136.41

**Mounting Arm**

- **F** = Fusing
- **G** = Function Socket A-D
- **H** = Dimming Driver

**Color**

- **BL** = Black
- **DB** = Dark Bronze
- **GR** = Gray
- **W** = White

**Options**

- **X** = Dimming Driver
- **Y** = Motion Sensor
- **Z** = Motor Control

**Code Numbers**

- **V** = 5000K
- **S** = 4000K

**Notes**

- *Rating values for B and G are based on rated lumens and may vary due to flux tolerances.*
- *Refer to manufacturer for other colors.*
- *Not also select D option.*
Photometrics

EASC Type V - Symmetric Medium (K5)
30,000 Lumens, 5000K (EASC_K5N550__.ies)

EASC Type V - Symmetric Short (U5)
33,000 Lumens, 5000K (EASC_U5N550__.ies)

EASC Type IV - Asymmetric Forward (K4)
30,000 Lumens, 5000K (EASC_K4F550__.ies)

EASC Type IV - Asymmetric Forward (E4)
12,900 Lumens, 5000K (EASC_E4F550__.ies)

EASC Type III - Asymmetric Wide (K3)
33,000 Lumens, 5000K (EASC_K3F550__.ies)

EASC Type III - Asymmetric Wide (E3)
13,900 Lumens, 5000K (EASC_E3F550__.ies)

EASC Type II - Asymmetric Narrow (K2)
31,900 Lumens, 5000K (EASC_K2F550__.ies)

EASC Type II - Asymmetric Narrow (E2)
13,400 Lumens, 5000K (EASC_E2F550__.ies)
**Photometrics**

- EASC Type II - Asymmetric Auto (KA)
  - 35,400 Lumens, 5000K (EASC_KAF550___ies)
- EASC Type II - Asymmetric Auto (LA)
  - 46,900 Lumens, 5000K (EASC_LAF750___ies)

**H-Motion Sensing Option:**

- Intended for high mounting applications, between 15-30ft (4.57-9.14m). For mounting heights exceeding 30ft, pole mounted sensors are recommended.
- Provides a coverage area radius for walking motion of 15-20ft (4.57-6.10m).
- Provides 270° of coverage (~90° is blocked by the pole).
- Comes standard with 50% dimmed light output with no occupancy, and full power at occupancy.
- Comes standard with photocell function. Note: It is not necessary to also purchase PE receptacle or control.
- Comes standard with a 5 minute occupancy time delay and a 5 minute ramp-down to the 50% dimmed level.
- Must order with decorative mounting arm options "A" or "B".
- 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:**

*Sensor Pattern Area Fixture Up to 30 ft.*
Product Dimensions

(Option A) 10” Arm for Square Pole Mount
(Option B) 10” Arm for Round Pole Mount
(Option D) 10” Arm for Square Pole Mount or Round Pole Mount
Option D includes all mounting hardware in Option A and Option B

DATA

- Approximate net weight: 43-47 lbs (19.50 - 21.32 kgs)
  Contact manufacturer for specific configuration weight.
- Effective Projected Area (EPA) with 10” Mounting Arm: 0.97 sq ft max (0.09 sq m)
Product Dimensions

(Option C) Slipfitter Arm Mount

• Approximate net weight: 41-45 lbs (18.60 - 20.41 kgs)
  Contact manufacturer for specific configuration weight.
• Effective Projected Area (EPA) with Slipfitter: 0.47 sq ft max (0.04 sq m)

(Option S) Knuckle Arm Mount

• Approximate net weight: 41-45 lbs (18.60 - 20.41 kgs)
  Contact manufacturer for specific configuration weight.
• Effective Projected Area (EPA) with fixture mounted at 45° upward: 1.97 sq ft max
Mounting Information

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”

Drilling Templates for Slipfitter Arms & Arm Mount

SQUARE POLE MOUNTING

ROUND POLE MOUNTING

Wall Mounting Bracket Adapter Plate
ORDER SEPERATELY FROM FIXTURE AS CATALOG NUMBER
WMB-EAMT06

*NOTE: For Wall Mounting, order luminaire with mounting arm: C = EXT Slip-fitter 2” Pipe (2.378 in. OD) supplied with leads.

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