GE Evolve™
LED Area Lighting
Scalable EASC High Lumen

current
powered by GE
Product Features

The next evolution of the GE Evolve™ EASC LED Area Light continues to deliver outstanding features, while adding greater lumen output, flexibility and style. This latest design focuses on high lumen output and provides photometric combinations with high efficacy, providing the ability to serve demanding area applications where pole spacing is wide and illuminance requirements are high. The EASC Evolve Luminaire comes with a specially designed auto dealership optic for exceptional illuminance on the dealership’s front row, while providing an impressive high lumen output. Optional programmable motion sensing for Title 24 compliance is available.

**Applications**
- Site, area, roadway 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 large retailers, commercial to medical properties, and big box retailers. Also suitable for roadways.

**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 3000K, 4000K and 5000K typical.

**Lumen Maintenance**
- Projected L90>50,000 hours per IES TM-21 L5, L4, L3, L2, LA, V5, M5, M4, M3, M2, MA, W5.
- Projected L90>100,000 hours per IES TM-21 V5, Y4, Y3, Y2, YA & Z5.
- Projected Lxx per IES TM-21 at 25°C for reference:

<table>
<thead>
<tr>
<th>Optical Codes</th>
<th>Lxx (18k) @ Hours*</th>
<th>Lxx (6k) @ Hours**</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5, L4, L3, L2, LA, V5, M5, M4, M3, M2, MA, W5</td>
<td>94</td>
<td>190</td>
</tr>
<tr>
<td>Y5, Y4, Y3, Y2, YA &amp; Z5</td>
<td>96</td>
<td>194</td>
</tr>
</tbody>
</table>

Note: *Projected Lxx based on LM80 (18,000 hour testing). **Projected Lxx based on LM80 (6,000 hour testing).

**Ratings**
- ∨ listed, suitable for wet locations.
- ∨ listed with option code “J” SKUs.
- Temperature rated at –40° to 35°C.
- Upward Light Output Ratio (ULOR) = 0.
- Title 24 compliant with “H” motion sensor option.
- Compliant with the material restriction 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 VAC and 347-480 VAC available.
- System power factor is >90% and THD <20%.
- ANSI C136.41 7-pin dimming receptacle, standard.
- ANSI photo electric sensors (PE) available for all voltages. Light Grid compatible.
- Dimming/Occupancy:
  - Wired 0-10V continuous dimming
  - DALI digital dimming. Contact manufacturer for availability.
  - Standalone motion sensor based dimming using “H” option code.
- Surge Protection per ANSI C136.2-2015.
  - 6kV/3kA “Basic” surge protection, standard.
  - 10kV/5kA “Enhanced” surge protection optional.

**Accessories**
- Photoelectric Controls (see page 3).
### Ordering Number Logic

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

<table>
<thead>
<tr>
<th>PROD. ID</th>
<th>PHOTOMETRIC</th>
<th>VOLTAGE</th>
<th>OPTICAL CODE</th>
<th>DISTRIBUTION ORIENTATION</th>
<th>DRIVE CURRENT</th>
<th>LED COLOR TEMP</th>
<th>PE FUNCTION</th>
<th>MOUNTING ARM</th>
<th>COLOR</th>
<th>OPTIONS</th>
</tr>
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<tbody>
<tr>
<td>E = Evolve</td>
<td>C = Photometric</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A = Area</td>
<td>S = Scalable</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</table>

#### EAS C

<table>
<thead>
<tr>
<th>TYPE</th>
<th>OPTICAL CODE</th>
<th>TYPICAL INITIAL LUMENS</th>
<th>TYPICAL SYSTEM WATTAGE</th>
<th>DISTRIBUTION ORIENTATION AVAILABLE</th>
<th>BUG RATING</th>
<th>IES FILE NUMBER</th>
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<tr>
<td>TYPE 1</td>
<td>L5</td>
<td>Symmetric Medium</td>
<td>36500</td>
<td>38000</td>
<td>38000</td>
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<td>M5</td>
<td>Symmetric Medium</td>
<td>40600</td>
<td>404</td>
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<td>V5</td>
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<td>41300</td>
<td>404</td>
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<td>W5</td>
<td>Symmetric Short</td>
<td>44100</td>
<td>404</td>
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<td>Z5</td>
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<td>470</td>
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<td>Y6</td>
<td>Asymmetric Wide</td>
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<td>470</td>
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<td>TYPE 3</td>
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<td>M7</td>
<td>Asymmetric Narrow</td>
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<td>Y7</td>
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**Note:** Rating values for B and G are based on rated lumens and may vary due to flux tolerances. L-series and V5 optical codes using 3000K CCT are not DLC QPL listed.

#### PE Accessories (to be ordered separately)

<table>
<thead>
<tr>
<th>SAP Number</th>
<th>Part Number</th>
<th>Description</th>
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<tr>
<td>93029237</td>
<td>PED-MV-LED-7</td>
<td>ANSI C136.41 Dimming PE, 120-277V</td>
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<td>93029238</td>
<td>PED-347-LED-7</td>
<td>ANSI C136.41 Dimming PE, 347V</td>
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<td>93029239</td>
<td>PED-480-LED-7</td>
<td>ANSI C136.41 Dimming PE, 480V</td>
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<table>
<thead>
<tr>
<th>SAP Number</th>
<th>Part Number</th>
<th>Description</th>
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<tr>
<td>28299</td>
<td>PECOTL</td>
<td>STANDARD 120-277V</td>
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<tr>
<td>28294</td>
<td>PECSTL</td>
<td>STANDARD 480V</td>
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<td>80436</td>
<td>PECSTL</td>
<td>STANDARD 347V</td>
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<tr>
<td>73251</td>
<td>SCCL-PECTL</td>
<td>Shorting cap</td>
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Photometrics

EASC Type II - Asymmetric Narrow (L2)
40,000 Lumens, 5000K (EASC_L2F750______IES)

EASC Type III - Asymmetric Wide (L3)
41,500 Lumens, 5000K (EASC_L3F750______IES)

EASC Type IV - Asymmetric Forward (L4)
38,300 Lumens, 5000K (EASC_L4F750______IES)

EASC Type V - Symmetric Medium (L5)
38,000 Lumens, 5000K (EASC_L5N750______IES)

EASC Type AUT0 - Asymmetric 100° Wide Auto (LA)
46,900 Lumens, 5000K (EASC_LAF750______IES)

EASC Type V - Symmetric Short (V5)
41,500 Lumens, 5000K (EASC_V5750______IES)

EASC Type II - Asymmetric Narrow (Y2)
55,000 Lumens, 5000K (EASC_Y2FX50_______IES)

EASC Type III - Asymmetric Wide (Y3)
56,500 Lumens, 5000K (EASC_Y3FX50_______IES)
Photometrics

EASC Type IV – Asymmetric Forward (Y4)
50,000 Lumens, 5000K (EASC_Y4FX50______.IES)

EASC Type V – Symmetric Medium (Y5)
50,000 Lumens, 5000K (EASC_Y5FX50______.IES)

EASC Type AUTO – Asymmetric 100° Wide Auto (YA)
60,000 Lumens, 5000K (EASC_YAFX50______.IES)

EASC Type V – Symmetric Short (Z5)
56,500 Lumens, 5000K (EASC_Z5FX50______.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:
Sensing 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

- 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)
(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 SEPARATELY 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.