Evolve™ LED Area Light
N Series (EANB)
Product Features

The next generation of the GE Evolve™ LED Area Light is an exciting solution to efficiently illuminate site and area applications. The smaller-form design of the EANB fixture provides superior illuminance at impressive site ROIs. The exclusive optical ring design effectively directs the light and produces impressive vertical illuminance and glare control. Additionally, the Evolve LED Area Light provides significant operating cost benefits over the life of each fixture with reduced energy consumption and a long rated life that virtually eliminates ongoing maintenance expenses.

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.
- Obtain a truly optimized and efficient parking space with dimming and occupancy sensing features.

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).
- Meets 2G vibration level per ANSI C136.31-2010.

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

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<th>SKU</th>
<th>LXX</th>
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<tr>
<td>EANB</td>
<td>L90</td>
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NOTES:
1) Projected Lxx based on LM-80 (10,000 hour testing).
2) DOE Lighting Facts Verification Testing Tolerances apply to initial lumen flux and lumen maintenance measurements.

Lumen Ambient Temperature Factors:

<table>
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NOTES: 1 Projected Lxx based on LM-80 (10,000 hour testing).
2) DOE Lighting Facts Verification Testing Tolerances apply to initial lumen flux and lumen maintenance measurements.


Ratings

- cUL listed, suitable for wet locations.
- Temperature rated at –40° to 50°C.
- 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.

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

- PE Accessories - See Page 3
### Ordering Number Logic

**Evolve™ LED Area Light N Series (EANB)**

<table>
<thead>
<tr>
<th>PROD. ID</th>
<th>PHOTOMETRIC SERIES</th>
<th>VOLTAGE</th>
<th>OPTICAL CODE</th>
<th>LED COLOR TEMP</th>
<th>PE FUNCTION</th>
<th>MOUNTING ARM</th>
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**PE Accessories (to be ordered separately)**

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Photometrics

EANB Type II - Asymmetric Narrow (F2)
14,400 Lumens, 5000K (EANB_F2750___.IES)

EANB Type II - Asymmetric Narrow (A2)
4,500 Lumens, 5000K (EANB_A2750___.IES)

EANB Type III - Asymmetric Wide (F3)
14,700 Lumens, 5000K (EANB_F3750___.IES)

EANB Type III - Asymmetric Wide (A3)
4,600 Lumens, 5000K (EANB_A3750___.IES)

EANB Type IV - Asymmetric Forward (F4)
13,700 Lumens, 5000K (EANB_F4750___.IES)

EANB Type IV - Asymmetric Forward (A4)
4,300 Lumens, 5000K (EANB_A4750___.IES)
Product Dimensions

10" Arm For Square Pole Mount (Option A)
10" Arm For Round Pole Mount (Option B)
10" Arm For Square Pole Mount or Round Pole Mount (Option D)

Option D includes all mounting hardware in Option A and Option B

- Approximate net weight: 20 lbs (9.07 kgs)
- Effective Projected Area (EPA) with 10" Mounting Arm: 0.67 sq ft max (0.06 sq m)
Product Dimensions
Slipfitter Arm Mount
(Option C)

- Approximate net weight: 19 lbs (8.61 kgs)
- Effective Projected Area (EPA) with Slipfitter: 0.43 sq ft max (0.04 sq m)
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:
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.)

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

Drilling Templates for Slipfitter Arms & Arm Mount

SQUARE POLE MOUNTING

ROUND POLE MOUNTING

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

ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
RPA-EAMT10BLCK “Black”
RPA-EAMT10DKBZ “Dark Bronze”

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