Evolve®
Compact Low Wattage Area Light
EACL
Product Features

Current’s EAL Series of Area Light Luminaires offer a wide range of optical patterns, color temperatures, lumen packages, and mounting configurations to optimize area light applications, as well as provide versatility in lighting design within the same form factor.

The new Compact Low Wattage Area Light (EACL) expands the range of lumen packages down to 3,000 Lumens to meet the needs of applications requiring lower lumens. The EACL is an ideal cost effective solution for smaller Commercial and Retail exterior applications requiring between 3,000 and 20,000 Lumens.

The EACL features our innovative highly flexible Universal Mounting Arm option, which provides installers the ability to mount EAL fixtures on both round and square poles of multiple sizes. In addition, it features both in-line and offset bolt patterns allowing it to easily be affixed to the majority of bolt patterns one would find in the field.

Applications

- Site and area light applications such as parking lots, retail exteriors, commercial exteriors, and other general spaces.

Housing

- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer, and long LED life.
- Die cast aluminum housing
- 3G vibration per ANSI C136.31-2018

LED & Optical Assembly

- LM-79 tests and reports in accordance with IESNA standards
- Upward Light Output Ratio (ULOR) = 0 (horizontal orientation)
- 70 CRI at 3000K, 4000K and 5000K
- Distributions: II, III, IV

Lumen Maintenance

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

<table>
<thead>
<tr>
<th>EACL01 OPTICAL CODE</th>
<th>L94</th>
<th>L90</th>
<th>L88</th>
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<td>L97</td>
<td>L96</td>
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Lumen Ambient Temperature Factors:

<table>
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<tr>
<th>Ambient Temp (°C)</th>
<th>Initial Flux Factor</th>
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<tr>
<td>10</td>
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<tr>
<td>20</td>
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<td>30</td>
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<tr>
<td>40</td>
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Ratings

- IP66 optical enclosure per ANSI C136.25-2013
- Operating Temperature –40°C to +50°C
- cUL Listed
- UL 1598 Listed Suitable for Wet Locations

Mounting

Option C1 (Standard)

- Integral Slipfitter for 1.25"-2" Pipe (1.66in. OD-2.378in. OD) supplied with leads. +/- 5 deg adjustment for leveling.

Option D1

- Universal Mounting Arm, fitted for round or square pole mounting supplied with 16/3 3ft cable.

Option K1

- Knuckle Slipfitter for 1.9 in. -2.3 in. OD Tenon with leads. Restricted aiming angle 0° to +45°.

Option S1

- Knuckle Slipfitter for 2.3in. - 3.0in OD Tenon with leads. Restricted aiming angle 0° to +45°.

Option V1

- Knuckle Wall Mount with leads. Restricted aiming angle 0° to +45°.

Finish

- Corrosion resistant polyester powder paint, minimum thickness 2.0 mil.
- Standard colors: Black, Dark Bronze, Gray & White.
- RAL & custom colors available.
- Optional coastal finish 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, optional.
- ANSI photo electric sensors (PE) for all voltages, optional.
- Dimming/Occupancy:
  - Externally wired 0-10V dimming, optional.
  - Standalone dimming occupancy sensor available
  - Daintree occupancy sensor available.
- Surge Protection per ANSI C136.2-2015.
  - 6kV/3kA “Basic” surge protection, standard.
  - 10kV/5kA “Enhanced” surge protection optional.

* System PF and THD specified at rated watts

Warranty

- 5 Year Standard

Accessories

- See Page 7 for PE Controls and Light Shield Information
## Ordering Number Logic

**Evolve® Compact Low Wattage Area Light (EACL)**

### EACL 01

<table>
<thead>
<tr>
<th>PROD. ID</th>
<th>GENERATION</th>
<th>VOLTAGE</th>
<th>OPTICAL CODE</th>
<th>DISTRIBUTION</th>
<th>CRI</th>
<th>CCT</th>
<th>DIMMING</th>
<th>CONTROLS</th>
<th>MOUNTING ARM</th>
<th>COLOR</th>
<th>OPTIONS</th>
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<tbody>
<tr>
<td>E = Evolve AC = Compact Area Light</td>
<td>01 = 1st Generation</td>
<td>0 = 120-277V</td>
<td>AF = Asymmetric Forward</td>
<td>7 = Dimming thru PE receptor</td>
<td>30 = 3000K</td>
<td>40 = 4000K</td>
<td>50 = 5000K</td>
<td>C1 = Integral Slip-fitter for 1.25&quot; - 2&quot; Pipe</td>
<td><strong>GRAY</strong> = 4000K</td>
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<td>L = Low Wattage</td>
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### Table: Typical Initial Luminous 4000K & 5000K

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### Note:
- **18/2-3ft** = External Standard
- **18/2-3ft** = 347V
- **Note:** 18/2-3ft = ANSI 7-pin
- **Note:** C1 Comes with Mount* ++
- **Note:** 2.3in. - 3.0in. Slipfitter for OD Tenon* ++
- **Note:** 1.9 in - 2.3in. Slipfitter for K1 square pole
- **Note:** 1.9 in - 2.3in. Slipfitter for OD Tenon** ++
- **Note:** Knuckle Wall Mount** ++
- **Note:** Supplied with 3ft leads
- **Note:** Supplied with 16/3 3ft cable
- **Note:** Restricted Aiming Angle 0° to +45°
Product Dimensions
Evolve® Compact Low Wattage Area Light (EACL)

Integral Slipfitter: C1

Knuckle Slipfitter: S1

Knuckle Slipfitter: K1
**Product Dimensions**

Evolve® Compact Low Wattage Area Light (EACL)

**DATA**

- Net Weight: 18 lbs (8.16 kg) Max depending on configuration
- Effective Projected Area (EPA):
  - Integral Slipfitter C1, EPA = 0.31 Min / 0.37 Max
  - Universal Arm Mount D1, EPA = 0.31 Min / 0.52 Max
  - Knuckle Slipfitter S1, K1 downward aim, EPA = 0.46 Min / 0.56 Max
  - Knuckle Slipfitter S1, K1 45° aim, EPA = 0.56 Min / 1.03 Max

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**Universal Mounting Arm: D1**

- 6.0in [152mm] Max O.D. Round Pole
- 2.0in [51mm] Min. O.D. Round Pole
- 6.4in [162mm] Max.
- 1.3in [33mm] Min.
- 2.5in [63mm] Square Pole Min.
- 2.8in [70mm]
- 22.4in [568mm]

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**Knuckle Wall Mount: V1**

- 6.1in [154mm]
- 25.1in [637mm]
- 4.38 in. [111 mm]
- 0.44 in. [11mm]

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**Wall Mount Hole Pattern**

- Ø.44 in. [11mm]
- 2.86 in. [73 mm]
- 78mm
**Accessories**

*Evolve® Compact Low Wattage Area Light (EACL)*

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

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<th>Part Number</th>
<th>Description</th>
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<td>ANSI C136.41 Dimming PE, 120-277V</td>
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**Back Light Shield**

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<th>Shield Orientation</th>
<th>Cutoff Distance</th>
<th>Shield Order Logic</th>
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<td>Back</td>
<td>Long</td>
<td>ELS-EAC-RBL-BLCK</td>
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</table>

**H-Motion Sensing Option**

- Intended for applications, between 15-30 ft. mounting height (4.57-9.14m). For mounting heights exceeding 30 ft., pole mounted sensors are recommended.
- Provides a coverage area radius for walking motion of 15-20 ft. (4.57-6.10m).
- Provides 270° of coverage (~90° is blocked by the pole).
- Standard factory settings:
  - 50% output when unoccupied, 100% output occupied.
  - Integral PE Sensor.
  - 5 minute post-occupancy time delay, 5 minute dimming ramp-down.
- Fixture power increase of 1W expected with sensor use.

**Note:** Standard options may be reprogrammed in the field. Reprogramming instructions included in product shipment.
Mounting Information
Evolve® Compact Low Wattage Area Light (EACL)

Mounting Arms for Slipfitter
Order separately with Mounting Option C1 (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.)

ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
SPA-EAMT10BLCK “Black”
SPA-EAMT10DBZ “Dark Bronze”
SPA-EAMT10WHITE “White”
SPA-EAMT10GRAY “Gray”

ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
RPA-EAMT10BLCK “Black”
RPA-EAMT10DBZ “Dark Bronze”
RPA-EAMT10WHITE “White”
RPA-EAMT10GRAY “Gray”

Wall Mounting Bracket Adapter Plate
ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
WMB-EAMT06
*NOTE: For Wall Mounting, order luminaire with mounting arm: C1 = Slipfitter 2” Pipe (2.378 in. OD) supplied with leads.

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

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