Evolve®
LED Wall Pack
A-Series (EWAS)
**Evolve® LED Wall Pack**
A-Series (EWAS)

The Evolve® LED A-Series Wall Pack, EWAS, is a designed replacement for 50W to 400W HID, while offering significant energy savings in a long-life LED wall pack. The A-Series Wall Pack offers Type II, III and IV optical patterns with lumen levels ranging from 3,000 to 17,000 lumens.

**Typical Specifications: EWAS**

**Applications**
- Wall mounted, site, area and general lighting utilizing an advanced LED optical system providing uniformity, improved vertical illuminance, reduced on-site glare and effective security light levels.

**Housing**
- Die-cast aluminum housing.
- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer and a long LED life.
- 3G vibration per ANSI C136.31-2010.

**LED & Optical Assembly**
- Structured LED array for optimized area light and wall pack photometric distributions.
- Evolve LED light engine utilizes reflective technology to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 70 CRI at 3000K, 4000K & 5000K typical.

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

<table>
<thead>
<tr>
<th>EWAS01 OPTICAL CODES</th>
<th>LXX (10K) @ HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25,000 HR</td>
</tr>
<tr>
<td>A2, A3, A4, B2, B3, B4, C2, C3, C4, D2, D3, D4</td>
<td>L95</td>
</tr>
<tr>
<td>E2, E3, E4, F2, F3, F4, G2, G3, G4</td>
<td>L96</td>
</tr>
</tbody>
</table>

*Ratios: Projected LxX based on LM80 (10,000 hour testing). Accepted industry tolerances apply to initial luminous flux and lumen maintenance measurements.

**Lumen Ambient Temperature**

<table>
<thead>
<tr>
<th>AMBIENT TEMP (°C)</th>
<th>INITIAL FLUX FACTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>1.02</td>
</tr>
<tr>
<td>20</td>
<td>1.01</td>
</tr>
<tr>
<td>25</td>
<td>1.00</td>
</tr>
<tr>
<td>30</td>
<td>0.99</td>
</tr>
<tr>
<td>40</td>
<td>0.98</td>
</tr>
</tbody>
</table>

**Mounting**
- **Flush Mount:** Mounts directly to customer supplied junction box.
- **Surface Mount:** Mounts to walls via separate mounting holes.

**Finish**
- Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
- Standard colors: White, Gray, Black and Dark Bronze.
- RAL & custom colors available.

**Electrical**
- 120-277 VAC and 347-480 VAC available.
- System power factor is ≥90% and THD ≤20%*.
- Button PE available for all voltages.
- Dimming/Occupancy:
  - 0-10V continuous dimming
  - “H” option code = Wattstopper® motion sensor.
  - “H2” option code = Daintree® motion sensor.
- 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

**Emergency Battery Backup (EMBB)**
- Provides reliable emergency operations when there is a loss to normal power, supported by Independent Secondary Battery and LED Board.
- Powers luminaire for a minimum of 90 minutes @ 1,000 lumens.
- Available on A* and B* Optical Code Packages only
- Operating Temperature (for EMBB models) -20°C to 40°C
- 3kV/1.5kA surge protection for EMBB models.

**Warranty**
- **System Warranty:** 5 Year Standard.
## Evolve®

**LED Wall Pack**

**A-Series (EWAS)**

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### Project Information

- **Project name:**
- **Date:**
- **Type:**

---

<table>
<thead>
<tr>
<th>FAMILY</th>
<th>GENERATION</th>
<th>VOLTAGE</th>
<th>OPTICAL CODE</th>
<th>DISTRIBUTION</th>
<th>CRI</th>
<th>CCT</th>
<th>CONTROLS</th>
<th>PE FUNCTION</th>
<th>MOUNTING</th>
<th>FINISH</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>01 Generation</td>
<td>0 = 120-277</td>
<td>1 = 120, 2 = 208, 3 = 240, 4 = 277, 5 = 480, D = 347</td>
<td>AF = Asymmetric Forward</td>
<td>7 = 70 CRI</td>
<td>30 = 3000K, 40 = 4000K, 50 = 5000K</td>
<td>N = No External Dimming Leads</td>
<td>D = External Dimming Leads</td>
<td>FM = Flush Mount</td>
<td>WHITE = White</td>
<td>EMBB = Emergency Battery Backup</td>
</tr>
<tr>
<td>W</td>
<td>Wallpack</td>
<td>H = 347-480</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>A-Series</td>
<td>S = A-Series</td>
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<td></td>
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### Typical Initial Lumens

<table>
<thead>
<tr>
<th>OPTICAL CODE</th>
<th>DIST.</th>
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<tbody>
<tr>
<td>A4</td>
<td>2900</td>
</tr>
<tr>
<td>B4</td>
<td>4900</td>
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<tr>
<td>C4</td>
<td>7300</td>
</tr>
<tr>
<td>D4</td>
<td>9800</td>
</tr>
<tr>
<td>E4</td>
<td>11500</td>
</tr>
<tr>
<td>F4</td>
<td>13600</td>
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<tr>
<td>G4</td>
<td>16100</td>
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### Typical System Wattage

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<tr>
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<th>120-277V</th>
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<td>21</td>
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<tr>
<td>B4</td>
<td>50</td>
</tr>
<tr>
<td>C4</td>
<td>100</td>
</tr>
<tr>
<td>D4</td>
<td>1100</td>
</tr>
<tr>
<td>E4</td>
<td>1200</td>
</tr>
<tr>
<td>F4</td>
<td>1400</td>
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<tr>
<td>G4</td>
<td>1700</td>
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### Bug Rating

<table>
<thead>
<tr>
<th>OPTICAL CODE</th>
<th>3000K</th>
<th>4000K &amp; 5000K</th>
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<tbody>
<tr>
<td>A4</td>
<td>30</td>
<td>40</td>
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<tr>
<td>B4</td>
<td>36</td>
<td>38</td>
</tr>
<tr>
<td>C4</td>
<td>56</td>
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<td>D4</td>
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<td>89</td>
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<td>E4</td>
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<td>109</td>
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<tr>
<td>G4</td>
<td>130</td>
<td>130</td>
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### IES File Number

<table>
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<tr>
<th>OPTICAL CODE</th>
<th>3000K</th>
<th>347-480V</th>
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<tbody>
<tr>
<td>A4</td>
<td>2100</td>
<td>2100</td>
</tr>
<tr>
<td>B4</td>
<td>5000</td>
<td>5000</td>
</tr>
<tr>
<td>C4</td>
<td>10000</td>
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</tr>
<tr>
<td>E4</td>
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<tr>
<td>F4</td>
<td>14000</td>
<td>14000</td>
</tr>
<tr>
<td>G4</td>
<td>17000</td>
<td>17000</td>
</tr>
</tbody>
</table>

### Options

- Asymmetric
- Forward
- Narrow
- AMC
- Wallpack
- Evolve

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### Asymmetric Narrow (AN)

- B2
- C2
- E2
- F2
- G2

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### Notes

- B Optical Codes Only & Available with A and G Optical Codes
- ^ Not available with F
- Special Options
- Available with A and G Optical Codes
- Daintree Motion Sensor
- Motion Sensor
- Surge Protection
- 10kV Enhanced
- Battery Backup

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### Family

- A
- B
- C
- D
- E
- F
- G

---

### Generation

- 01
- 02
- 03
- 04

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### Voltage

- 120-277V
- 347-480V

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### Mounting

- Flush Mount
- Button PE

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### Other

- 3000K
- 4000K
- 5000K

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### Project Information

- Project name ___________________
- Date ____________________________
- Type ____________________________
Evolve®
LED Wall Pack
A-Series (EWAS)

Product Dimensions

TOP VIEW

12.236
[310.8mm]

5.500
[139.7mm]

(3) 1/2 " NPT CONDUIT PLUGS
ONE ON EACH SIDE AND
ONE ON THE BOTTOM

FRONT VIEW

10.719
[272.3mm]

SIDE VIEW

(3) 1/2 " NPT CONDUIT PLUGS
ONE ON EACH SIDE AND
ONE ON THE BOTTOM

BUTTON PE MOUNTED IN SIDE CONDUIT HOLE
Evolve®
LED Wall Pack
A-Series (EWAS)

Project name ___________________
Date __________________________
Type __________________________

Product Dimensions

**FLUSH MOUNT**
3-1/2 TO 4 INCH MOUNTING BOX

**SURFACE MOUNT**

**H Option** - Wattstopper Motion Sensor
Bottom mount available with A, B, C, D, & E Optical Codes Only

**H Option** - Wattstopper® Motion Sensor
Side mount available with F &G Optical Codes Only

**H2 Option** - Daintree Motion Sensor
Bottom mount available with A, B, C, D, & E Optical Codes Only
Photometrics:
A-Series (EWAS)

**EWAS**
ASYMMETRIC NARROW (D2AN750)
10,100 Lumens
5000K
EWAS01_D2AN750_.IES

**EWAS**
ASYMMETRIC WIDE (D3AW750)
10,200 Lumens
5000K
EWAS01_D3AW750_.IES

**EWAS**
ASYMMETRIC FORWARD (D4AF750)
10,000 Lumens
5000K
EWAS01_D4AF750_.IES

**EWAS**
ASYMMETRIC NARROW (G2AN750)
17,100 Lumens
5000K
EWAS01_G2AN750_.IES
Photometrics:
A-Series (EWAS)

**EWAS**
ASYMMETRIC WIDE
(G3AW750)
17,300 Lumens
5000K
EWAS01_G3AW750_.IES

**EWAS**
ASYMMETRIC FORWARD
(G4AF750)
17,000 Lumens
5000K
EWAS01_G4AF750_.IES

**EWAS**
(With Emergency Battery Backup in Operation)
1,000 Lumens
3000K, 4000K, 5000K
EWAS01_With Emergency Battery Backup On_.IES
Evolve®
LED Wall Pack
A-Series (EWAS)

Accessories

Motion Sensing Option:

H = Wattstopper®
• Intended for 8-25ft mounting heights
• Provides a coverage area radius for walking motion of 25-30ft
• Provides 180° coverage (~180° blocked by wall).
• Photoelectric control is integrated
• Factory set at 10% dimming after 5 minutes with no occupancy
• May be programmed using additional remote programmer. Remote
  programmer part number WS FSIR-100 Programmer (197634)

H2 - WHS100 Daintree®
• Intended for 8-25ft mounting heights
• Provides a coverage area radius for walking motion of 25-30ft
• Provides 180° coverage (~180° blocked by wall).
• Factory preset to 50% dimming with no occupancy
• Photoelectric control is integrated through the motion sensor and is offered as standard
• Requires Daintree Enterprise and wide area control (WAC)