The Stonco Area light features energy saving LED technology ideal for pole mounted area lighting applications. The Area light is available with Type 3, 4 and 5 distributions in three lumen packages, providing up to 26,000 lumens.

Ordering guide

<table>
<thead>
<tr>
<th>Luminaire</th>
<th>Wattage</th>
<th>LED Color – Generation</th>
<th>Mounting</th>
<th>Distribution</th>
<th>Voltage</th>
<th>Controls</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>AL Area Light</td>
<td>100W</td>
<td>NW-G1 Neutral White, 4000K, 70 CRI, Generation 1</td>
<td>AR1 Arm mounting</td>
<td>3</td>
<td>8</td>
<td>120-277 Volts</td>
<td>--</td>
</tr>
<tr>
<td>AL Area Light</td>
<td>200W</td>
<td>NW-G1 Neutral White, 4000K, 70 CRI, Generation 1</td>
<td>AR1 Arm mounting</td>
<td>4</td>
<td>8</td>
<td>120-277 Volts</td>
<td>--</td>
</tr>
</tbody>
</table>

1. Mounts to a square pole. Adapter included for 4” round poles.
2. IMRI is available with AL-200 type 4 only.
3. Available only in 100W.

Product Specifications

- **Housing**: Aluminum die-cast housing with attachable arm. Arm has removable cover for ease of wire connection.
- **IP Rating**: LED light engine rated IP66. Driver compartment rated to IP65.
- **Vibration Resistance**: 3G vibration rating that conforms to standards set forth by ANSI C136.31. Testing includes vibration to 3G acceleration in all three axes.
- **LED Board and Array**: 140 or 280 LEDs. Color temperature 4000K, +/- 250K. Minimum CRI of 70. Metal core substrate.

**Optical System**
Type 3, 4, and 5 distributions available.

**LED Thermal Management**
The housing design allows the one piece housing to provide excellent thermal management critical to long LED system life.

**Infrared Motion Response**
Integral IMRI module is a passive infrared (PIR) motion sensor mounted integral on driver enclosure and is available with a sensor lens type to accommodate mounting heights up to 40’ and occupancy coverage area up to 2,800 sq.ft (60’ in diameter). Motion response for option IMRI is set/operates in the following fashion:
When motion is detected by the PIR sensor, the luminaire goes to full power/ light output.
Dimming on low is factory set to 30% with 5 minute default in “full power” prior to dimming back to low. When no motion is detected for 5 minutes, the motion response system reduces the wattage by 70%, to 30% of the normal constant wattage reducing the light level.

**Mounting**
Standard luminaire arm mounts to square poles. Round pole adapter included with every luminaire designed for 4” OD poles.

**Energy Saving Benefits**
System efficacy up to 126lms/W with significant energy savings over Pulse Start Metal Halide luminaires.

**Listings**
UL/cUL listed to the UL 1598 standard, suitable for Wet Locations. Suitable for use in ambient from ~40° to 40°C (~40° to 104°F).
All product configurations are DesignLights Consortium® qualified.

**Finish**
Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidyl isocyanurate (TGIC) textured polyester powdercoat finish.
Standard color is bronze (BZ).

**Limited Warranty**
Luminaires, LED arrays, and drivers are all covered by a 5-year limited warranty. See philips.com/warranties for details.
AL100/AL200 LED Area light
Up to 26,000 lumens

LED Wattage and Lumen Values

<table>
<thead>
<tr>
<th>Ordering Codes</th>
<th>Total LEDs</th>
<th>System Current (mA)</th>
<th>Color Temp. (K)</th>
<th>Average System Wattage</th>
<th>Type 3</th>
<th>Type 4</th>
<th>Type 5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lumen Output</td>
<td>BUG Rating</td>
<td>Efficacy (LPW)</td>
</tr>
<tr>
<td>AL100-NW-G1-AR</td>
<td>140</td>
<td>2170</td>
<td>4000K</td>
<td>99</td>
<td>12,329</td>
<td>B3-U0-G3</td>
<td>124</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td>12.192</td>
<td>B3-U0-G3</td>
<td>123</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td>13.153</td>
<td>B4-U0-G1</td>
<td>132</td>
</tr>
<tr>
<td>AL200-NW-G1-AR</td>
<td>280</td>
<td>3800</td>
<td>4000K</td>
<td>197</td>
<td>24,182</td>
<td>B4-U0-G4</td>
<td>124</td>
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<td></td>
<td></td>
<td></td>
<td>24,109</td>
<td>B3-U0-G3</td>
<td>122</td>
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<td></td>
<td></td>
<td></td>
<td>26,010</td>
<td>B4-U0-G2</td>
<td>132</td>
</tr>
</tbody>
</table>

1. Wattage and lumen output may vary by due to LED manufacturer forward volt specification and ambient temperature. Wattage shown is average for 120V through 277V input. Measured wattage may vary due to variation in input voltage.
2. Lumen values based on photometric tests performed in compliance with IESNA LM-79. Contact outdoorlighting.applications@philips.com for details or additional information.

Predicted Lumen Depreciation Data

Predicted performance derived from LED manufacturer’s data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L70 hours limited to 6 times actual LED test hours.

<table>
<thead>
<tr>
<th>Ambient Temperature °C</th>
<th>LED Current</th>
<th>System Current</th>
<th>Calculated L70 hrs</th>
<th>L70 per TM21</th>
<th>Lumen Maintenance %</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 °C</td>
<td>120mA</td>
<td>270mA</td>
<td>+68,000</td>
<td>&gt;54,000</td>
<td>77%</td>
</tr>
<tr>
<td>25 °C</td>
<td>120mA</td>
<td>380mA</td>
<td>+68,000</td>
<td>&gt;54,000</td>
<td>77%</td>
</tr>
</tbody>
</table>

1. Predicted performance derived from LED manufacturer’s data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.
2. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output.
3. Calculated per IESNA TM21-11. Published L70 hours limited to 6 times actual LED test hours.

Dimensions

AL100

Dimensions: 18.3" [432mm] x 10.8" [275mm] x 4.3" [109mm]
LUMINAIRE WEIGHT = 7.5 lbs [3.4 kg]

AL200

Dimensions: 19.4" [492mm] x 13.6" [345mm] x 4.3" [109mm]

POLE DRILL TEMPLATE

Pole Top Fitter

POLE TOP FITTER

Order Code: PTF2-AL150/AL200-4-90-BZ

POLE DRILL TEMPLATE

LUMINAIRE WEIGHT = 14 lbs [6.3 kg]
LUMINAIRE EPA = 0.40 ft² [0.04 m²]