Datasheet

Area Lights with 3-Wire Cables for Use with PresencePLUS® Pro Sensors

- Lightly diffused area light for PresencePLUS® Pro sensors.
- Continuous or strobed operation is selectable via sensor software.
- Solid-state LED light source.
- Direct connection to PresencePLUS® Pro system or to an external power supply.
- Two available bracket options.

Important: Lea el siguiente instructivo antes de operar el luminario. Por favor descargue desde www.bannerengineering.com toda la documentación técnica de los LED..A80X80W, disponibles en múltiples idiomas, para detalles del uso adecuado, aplicaciones, advertencias, y las instrucciones de instalación de estos dispositivos.

Models

<table>
<thead>
<tr>
<th>Model</th>
<th>LED Color</th>
<th>Wave Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEDIA80X80W</td>
<td>Infrared</td>
<td>850 nm</td>
</tr>
<tr>
<td>LEDRA80X80W</td>
<td>Visible Red</td>
<td>660 nm</td>
</tr>
<tr>
<td>LEDWA80X80W</td>
<td>White</td>
<td>All Visible</td>
</tr>
<tr>
<td>LEDBA80X80W</td>
<td>Blue</td>
<td>470 nm</td>
</tr>
<tr>
<td>LEDGA80X80W</td>
<td>Green</td>
<td>525 nm</td>
</tr>
</tbody>
</table>

Cleaning Instructions

Regularly remove any dust, dirt, or fingerprints from the light source.
1. Blow off dust using anti-static compressed air.
2. If necessary, use a lens cloth and lens cleaner or window cleaner to wipe off remaining debris. Do not use any other chemicals for cleaning.

Wiring Table

<table>
<thead>
<tr>
<th>LED..A80X80W Wire</th>
<th>PresencePLUS Pro Controller Terminal Block</th>
<th>External Power Supply (Strobed)</th>
<th>External Power Supply (Continuous)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brown</td>
<td>Pin 1, + V (24 V DC ±10%)</td>
<td>+ V</td>
<td>+ V</td>
</tr>
<tr>
<td>Blue</td>
<td>Pin 2, - V (DC common)</td>
<td>- V</td>
<td>- V</td>
</tr>
<tr>
<td>Black</td>
<td>Pin 4 (strobe)</td>
<td>+5 V DC OFF</td>
<td>- V ON</td>
</tr>
</tbody>
</table>

Specifications

<table>
<thead>
<tr>
<th>Light Source</th>
<th>LED; see Models table for wave lengths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>Lightly diffused, high-intensity area light. Infrared model: At a 24-inch distance, illuminates an 8-inch diameter area within 60% of the center intensity. Visible LED models: At a 12-inch distance, illuminates a 4-inch diameter area within 50% of the center intensity.</td>
</tr>
<tr>
<td>Supply Voltage and Current</td>
<td>24 V DC at 250 mA maximum. Voltage supplied by PresencePLUS® Pro sensors, if operating at 24 V DC (see sensor manual). See the electrical characteristics on the product label.</td>
</tr>
</tbody>
</table>

Connections

- 3 conductor, 2 m (6.5 ft) integral cable.
- Low-carbon steel with black zinc plating, acrylic window.
- 10,000 hours (LED ON time). When operated within specifications, output will decrease less than 30% after 10,000 hours and less than 40% after 20,000 hours.
- 0 °C to +50 °C (+32 °F to +122 °F) 90% at +50 °C maximum relative humidity (non-condensing).

Certifications

1. 2 m (6.5 ft) PVC cable models with 3-wire, 8 mm male Pico-style connector listed.
   - To order the 9 m (30 ft) PVC cable model, add the suffix “W/30” to the cabled model number. For example, LEDBA80X80W W/30.
**Dimensions**

All measurements are listed in millimeters [inches], unless noted otherwise.

![Diagram of dimensions]

**Accessories**

**Brackets**

**SMBABM**
- 13-ga. zinc-plated low-carbon steel
- (4) M4 Phillips flathead screws included
- For mounting the light from the front
- Accommodates backlight models LED..B70X70..

**SMBACM**
- 14-ga. zinc-plated low-carbon steel
- (4) M4 socket-head cap screws, washers and hex key included
- For mounting the light from the rear
- Accommodates backlight models LED..B70X70..

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