# LED..A80X80W Series Area Lights

*Area Lights with 3-wire cables for use with PresencePLUS® Pro Sensors*

## Features

- Lightly diffused area light for *Presence*PLUS *Pro* sensors. See Banner's website at www.bannerengineering.com for a complete lighting tutorial.
- Continuous or strobed operation is selectable via sensor software.
- Solid-state LED light source.
- Direct connection to *Presence*PLUS *Pro* system or to an external power supply.
- Light level remains constant even when input voltage fluctuates 10% from nominal.
- Two available bracket options.

## Models

| Models* | LED Color | Wave Length |
|---|---|---|
| **LEDIA80X80W** | Infrared | 850 nm |
| **LEDRA80X80W** | Visible Red | 660 nm |
| **LEDWA80X80W** | White | All Visible |
| **LEDBA80X80W** | Blue | 470 nm |
| **LEDGA80X80W** | Green | 525 nm |

* For 9 m (30') cable, add suffix "**W/30**" to the model number (e.g., **LEDBA80X80W W/30**).

## Specifications

| | |
|---|---|
| **Light Source** | LED; see Models table above for wave lengths |
| **Illumination** | Lightly diffused, high-intensity area light<br>**Infrared model:** At a 24" distance, illuminates an 8" diameter area within 60% of the center intensity.<br>**Visible LED models:** At a 12" distance, illuminates a 4" diameter area within 50% of the center intensity. |
| **Supply Voltage and Current** | 24V dc @ 250 mA max.<br>Voltage supplied by *Presence*PLUS *Pro* sensors, if operating at 24V dc (see sensor manual). |
| **Connections** | 3 conductor, 2 m (6.5') attached cable |
| **Construction** | Low-carbon steel with black zinc plating, acrylic window |
| **Useful Life** | 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. |
| **Operating Conditions** | **Temperature:** 0° to +50° C (+32° to 122° F)<br>**Relative humidity:** 90% at 50° C (non-condensing) max. |
| **Cleaning Instructions** | Regularly remove any dust, dirt, or fingerprints from the light source.<br>1. Blow off dust using anti-static compressed air.<br>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. |

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## Wiring Table

| LED..A80X80W Wire | *Presence*PLUS *Pro* Controller Terminal Block | External Power Supply (Strobed) | External Power Supply (Continuous) |
|---|---|---|---|
| Brown | Pin 1, +V (24V dc ±10%) | +V | +V |
| Blue | Pin 2, -V (dc common) | -V | -V |
| Black | Pin 4 (strobe) | +5V dc OFF<br>-V ON | -V |

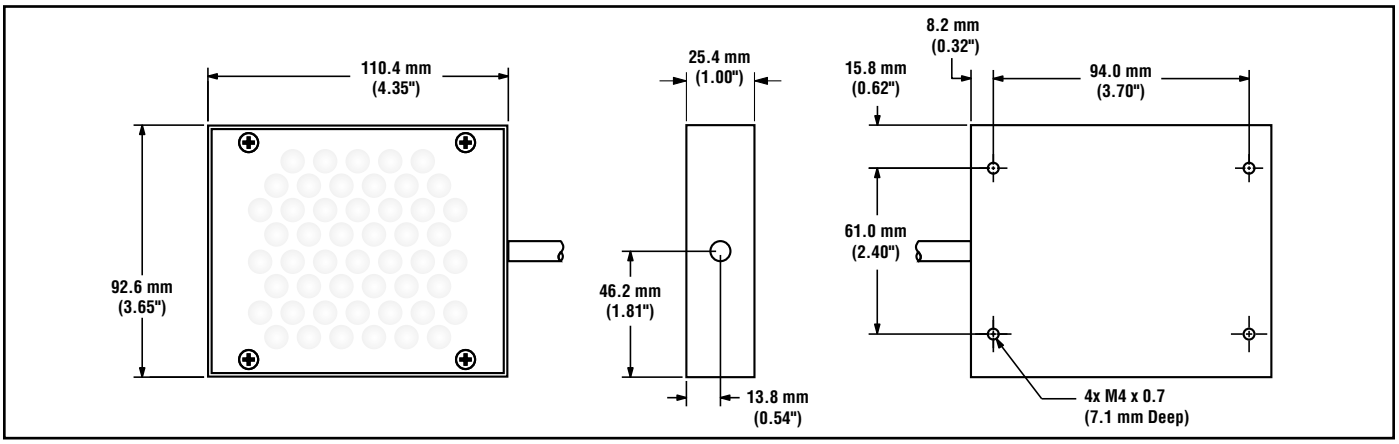
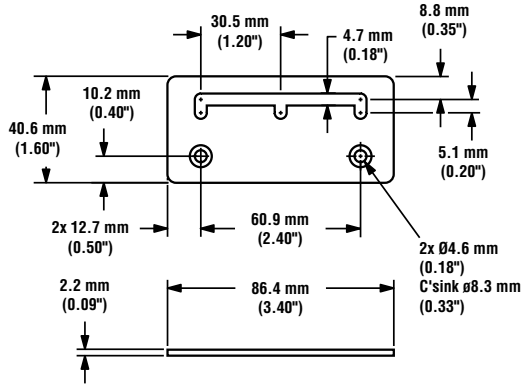
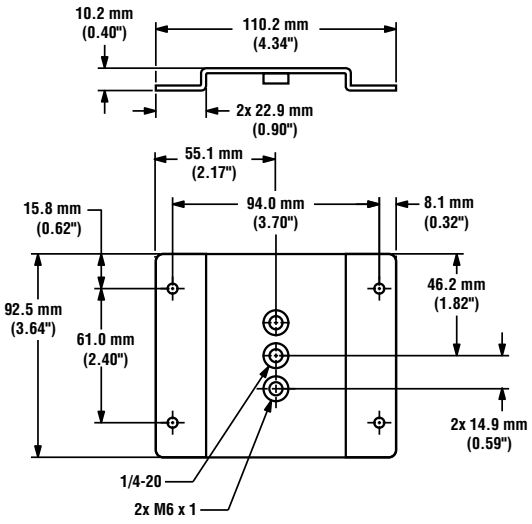



**Figure 1. Area light dimensions**

## Accessory Mounting Brackets

| | | | |
|---|---|---|---|
| **SMBABM** | • 13-ga. zinc-plated low-carbon steel<br>• (4) M4 Phillips flathead screws included<br>• For mounting light from front | **SMBACM** | • 14-ga. zinc-plated low-carbon steel<br>• (4) M4 socket-head cap screws, washers and hex key included<br>• For mounting light from rear |

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