



LED..A80X80W Series Area Lights

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



Features

- Lightly diffused area light for PresencePLUS 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 PresencePLUS 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 Infrared model: At a 24" distance, illuminates an 8" diameter area within 60% of the center intensity. 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. Voltage supplied by PresencePLUS 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) Relative humidity: 90% at 50° C (non-condensing) max.
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.

LED..A80X80W Series Area Lights

Wiring Table

LED..A80X80W Wire	PresencePLUS Pro Controller Terminal Block	External Power Supply (Strobed)	External Power Supply (Continuous)
Brown	Pin 1, +V (24V dc \pm 10%)	+V	+V
Blue	Pin 2, -V (dc common)	-V	-V
Black	Pin 4 (strobe)	+5V dc OFF -V ON	-V

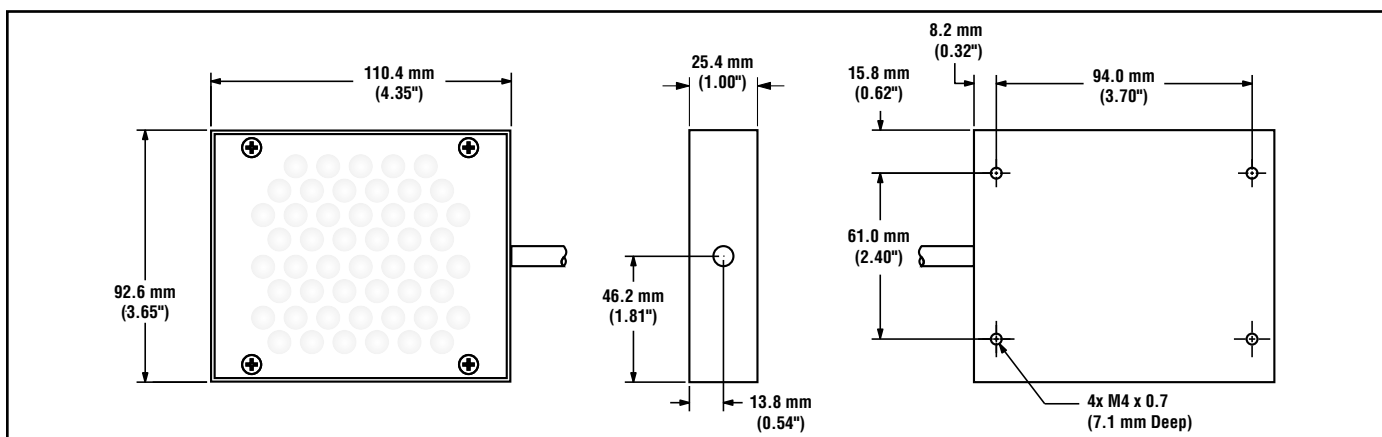
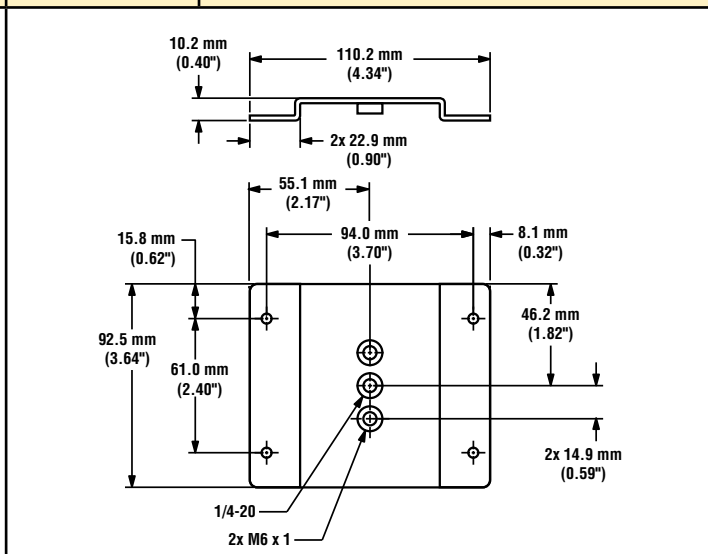
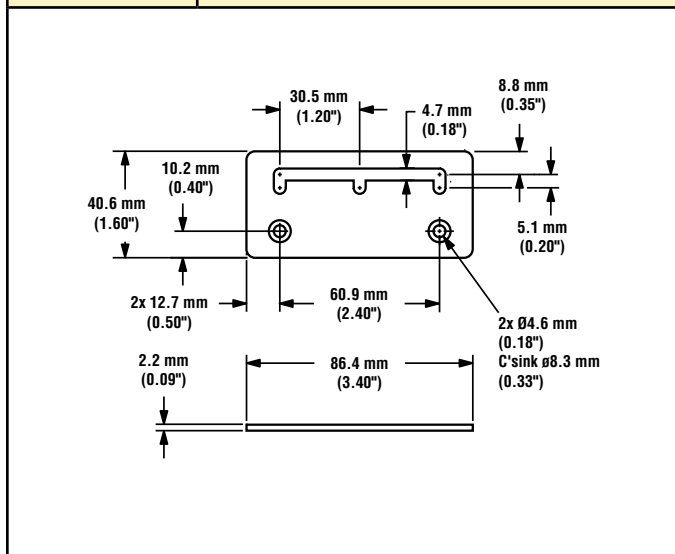


Figure 1. Area light dimensions

Accessory Mounting Brackets

SMBABM	<ul style="list-style-type: none"> • 13-ga. zinc-plated low-carbon steel • (4) M4 Phillips flathead screws included • For mounting light from front 	SMBACM	<ul style="list-style-type: none"> • 14-ga. zinc-plated low-carbon steel • (4) M4 socket-head cap screws, washers and hex key included • For mounting light from rear
---------------	--	---------------	--



WARRANTY: Banner Engineering Corp. warrants its products to be free from defects for one year. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture found to be defective at the time it is returned to the factory during the warranty period. This warranty does not cover damage or liability for the improper application of Banner products. This warranty is in lieu of any other warranty either expressed or implied.