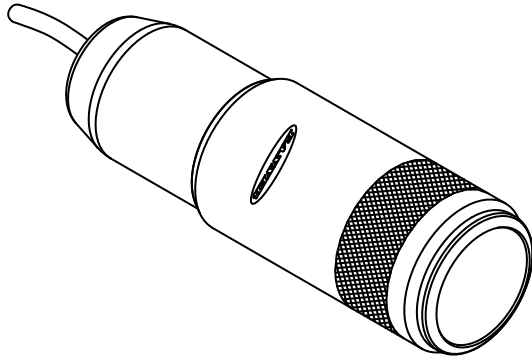


LED..SM Series Spot Lights



LED Spot Lights for Use with PresencePLUS® P4 Sensors

For the latest technical information about this product, including specifications, dimensions, and wiring, see www.BannerEngineering.com.



- Low-cost, compact washdown spot lights for PresencePLUS® sensors. See Banner's Web site (www.bannerengineering.com) for a complete lighting tutorial.
- Continuous or strobed operation is selectable via sensor software.
- Solid-state LED; adjustable spot size (see [Specifications](#) on page 1).
- Direct connection to PresencePLUS P4
- Standard 1/4 - 20 thread mounting hole, compatible with camera mounting bracket knuckle.

Models

Model	Color	Ambient Light Filter Kit
LEDRSM	Visible Red, 620-630 nm	FLTR
LEDWSM	Cool White, 5500-8300 K	FLTB or FLTG
LEDBSM	Blue, 465-485 nm	FLTB
LEDGSM	Green, 520-535 nm	FLTG

Specifications

Light Source

LED; see Models table for wavelengths

Illumination

High-intensity spot light

Supply Voltage and Current

Voltage supplied by PresencePLUS sensor: 10-30V dc @360mA max.

Connections

2 m (6.5') attached pigtail with 3-wire, 8 mm Pico-style connector

Construction

Black anodized aluminum, glass lens

Environmental Rating

IEC IP67

Useful Life

50,000 hours (LED ON time). When operated within specification, output will decrease less than 30% after 50,000 hours.

Operating Conditions

-40° to +50° C (-40° to +122° F)

90% @ 50° C (non-condensing) max. rel. humidity

Cleaning Instructions

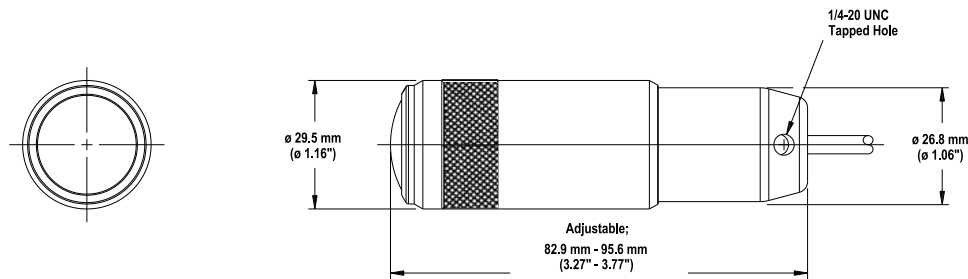
Regularly remove any dust, dirt, or fingerprints from the light source.

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.

Spot Size Relative to Distance				
Distance	152 mm (6")		305 mm (12")	
	Spot Size	76.2 mm (3") min.	178 mm (7") max.	127 mm (5") min.



Dimensions



Installing the Spot Light



NOTE: Before installing this spot light, install an ambient light filter behind the sensor lens. The filter improves image quality by reducing unwanted ambient light.

Sensing Shiny Surfaces: To eliminate direct reflections without using polarizing filters, angle the light approximately 15° (or more) from perpendicular to a shiny surface.

Accessory Mounting Brackets

Spot light's standard 1/4 - 20 thread mounting hole is compatible with camera mounting bracket knuckle.

Model	Description
SMBPPK3	3" Column, Base, and Knuckle Kit
SMBPPK6	6" Column, Base, and Knuckle Kit
SMBPPK	Mounting Bracket Knuckle
SMBPPKB	Mounting Bracket Base

Model	Description
SMBPPKE3	Mounting Bracket Knuckle 3" Extension
SMBPPKE6	Mounting Bracket Knuckle 6" Extension
SMBPPLK	2" Mounting Knuckle Assembly