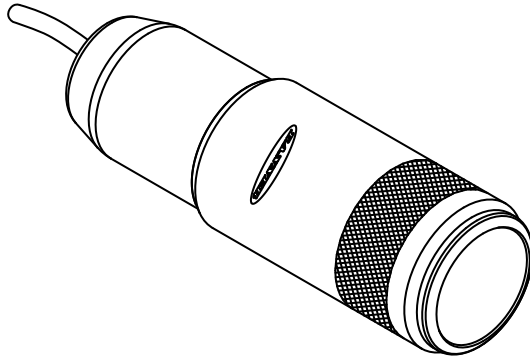


# LED..SW Series Spot Lights



LED Spot Lights for Use with PresencePLUS® Pro Sensors

For the latest technical information about this product, including specifications, dimensions, and wiring, see [www.BannerEngineering.com](http://www.BannerEngineering.com).



- Low-cost, compact washdown spot lights for PresencePLUS® sensors. See Banner's Web site ([www.bannerengineering.com](http://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 Pro sensor or to an external power supply using 3 discrete wires (see [Dimensions](#) on page 2)
- Standard 1/4 - 20 thread mounting hole, compatible with camera mounting bracket knuckle.

## Models

Model	Color	Ambient Light Filter Kit
LEDRSW	Visible Red, 620-630 nm	FLTR
LEDWSW	Cool White, 5500-8300 K	FLTB or FLTG
LEDBSW	Blue, 465-485 nm	FLTB
LEDGSW	Green, 520-535 nm	FLTG

## Specifications

### Light Source

LED; see Models table for wavelengths

### Illumination

High-intensity spot light

### Supply Voltage and Current

10-30V dc @ 360 mA max.

### Connections

PVC-jacketed 3-conductor 2 m (6.5') attached cable

### 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

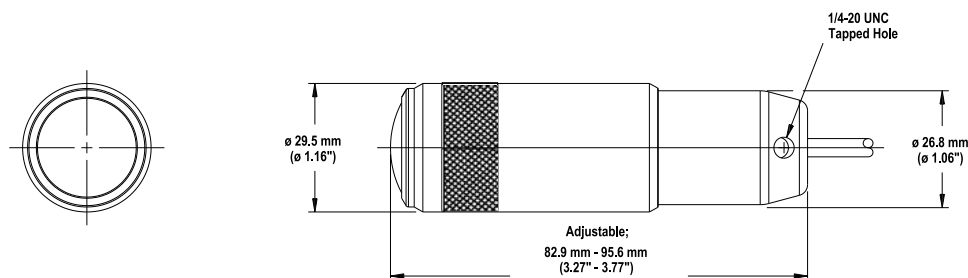
Regularly remove any dust, dirt, or fingerprints from the light source.

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.	305 mm (12") max.



## 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.

## Wiring Table

Spot Light Wire	PresencePLUS Pro Controller Terminal Block	External Power Supply (Strobed)	External Power Supply (Continuous)
Brown	Pin 1 (+V*) Pin 1 (+V*)	+V	+V
Blue	Pin 2 (-V*)	-V	-V
Black/White	Pin 4 (strobe)	+5V dc to 24V dc = OFF 0V dc = ON	-V

\* +V = 24V dc ± 10%      -V = dc common

## Accessory Mounting Brackets

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

Model	Description	Model	Description
<b>SMBPPK3</b>	3" Column, Base, and Knuckle Kit	<b>SMBPPKE3</b>	Mounting Bracket Knuckle 3" Extension
<b>SMBPPK6</b>	6" Column, Base, and Knuckle Kit	<b>SMBPPKE6</b>	Mounting Bracket Knuckle 6" Extension
<b>SMBPPK</b>	Mounting Bracket Knuckle	<b>SMBPPLK</b>	2" Mounting Knuckle Assembly
<b>SMBPPKB</b>	Mounting Bracket Base		



Warranty: Banner Engineering Corporation warrants its products to be free from defects for a period of one year. Banner Engineering Corporation 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.