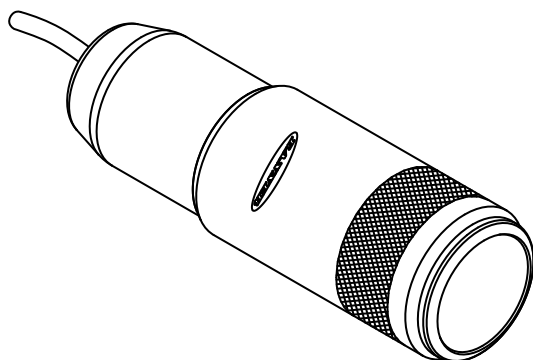


# LED..SW Series Spot Lights



## 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

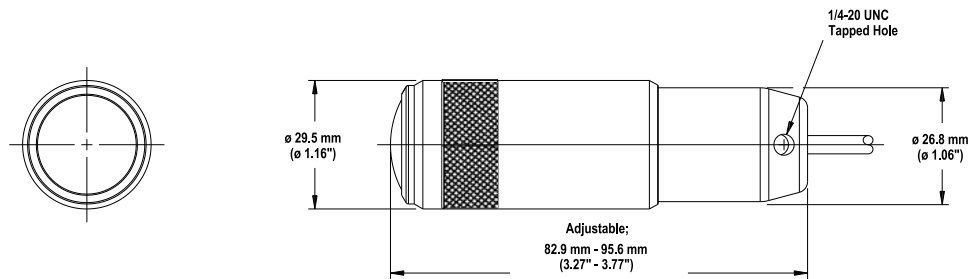
Regularly remove any dust, dirt, or fingerprints from the light source.

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<br>0V dc = ON | -V                                 |

\* +V = 24V dc  $\pm$  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                      |
|----------------|----------------------------------|
| <b>SMBPPK3</b> | 3" Column, Base, and Knuckle Kit |
| <b>SMBPPK6</b> | 6" Column, Base, and Knuckle Kit |
| <b>SMBPPK</b>  | Mounting Bracket Knuckle         |
| <b>SMBPPKB</b> | Mounting Bracket Base            |

| Model           | Description                           |
|-----------------|---------------------------------------|
| <b>SMBPPKE3</b> | Mounting Bracket Knuckle 3" Extension |
| <b>SMBPPKE6</b> | Mounting Bracket Knuckle 6" Extension |
| <b>SMBPPLK</b>  | 2" Mounting Knuckle Assembly          |