



product introduction

The SXW30 Series of Prox Lights feature a single high current LED enclosed in a 30mm Washdown IP68 Barrel Style Housing. The SXW30 Series feature an NPN and PNP strobe signal with a 0-10 VDC analog intensity control signal for added versatility. The SXW30 Series has multiple mounting options allowing for ease of install.



product features



- 30mm Barrel Style Housing
- M12 Quick Disconnect
- Driver built in – No External wiring to a driver
- PNP and NPN Strobe input
- Continuous operation or Strobe mode
- Analog intensity 0-10VDC signal
- Washdown IP68 Rating



product specifications

| | |
|----------------------------|--|
| Electrical Input | 24 VDC +/- 5% |
| Current | Max. 250mA |
| Wattage | Max. 6W |
| Strobe Input | PNP ► +4VDC or greater to activate. NPN ► GND (<1VDC) to activate |
| PNP Line | 3.7mA @ 3VDC 6.2mA @ 5VDC 12.6mA @ 10VDC 30.4mA @ 24 VDC |
| NPN Line | 22mA @ Common (0VDC) |
| Red Indicator LED | LED Strobe Indicator ON = Light Active |
| Green Indicator LED | ON = Power |
| Continuous Mode | Light will be in continuous mode by leaving signal on strobe input active |
| Analog Intensity | The output is adjustable from 10 -100% of brightness by a 0 -10 VDC signal |
| Connection | 5 pin M12 connector |
| Ambient Temperature | -20° - 50° C (-4° - 122° F) |
| Lifespan | 100,000 hrs |
| IP Rating | IP68 |
| Compliances | CE and RoHS |
| Weight | ~99g |
| IEC 62471 Rating | See page 4 |



product number key

SXW30 – XXX – X* → Part Number Key

Product Family:
Prox Light
SWX30

Color:
365, 395 – UV
470 – Blue
505 – Cyan
530 – Green
625 – Red
850, 940 – IR
WHI - White

Lenses:
W – Wide
L - Line

* Lights come standard with narrow lenses
CE and RoHS Compliant



warnings



Attention

Please note that the power requirements are 250mA at 24VDC. Failure to supply light with 250mA will result in non-repeatable lighting. Contact Smart Vision Lights for more information.



wiring configuration

If Analog 0-10 VDC is not used to control light intensity;
+VDC (24VDC) must be connected to Analog Input - Jumper pin 5 to pin 1

| Pin | Function | Signal | Wire Color |
|-----|-------------------|-----------------|------------|
| 1 | Power In | +24VDC | BROWN |
| 2 | NPN | Sinking Signal | WHITE |
| 3 | GND | Ground | BLUE |
| 4 | PNP | Sourcing Signal | BLACK |
| 5 | Intensity Control | 0-10VDC | GREY † |

† Some cables use green with yellow stripe for 0-10V adjustment



mounting & accessories



Power Cables
5m, 10m, 15m



PB30-M2
Slotted Block Mount



PB30-M6
Bolt-on Block Mount

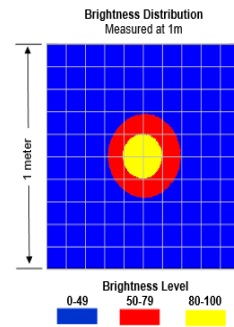


Diffuser Kits
Available



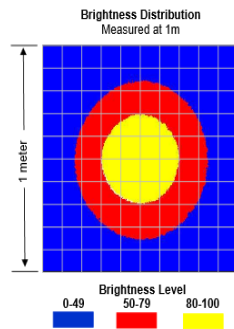
SXW30-XXX

| Working Distance mm (inches) | Pattern (80%-100% measured intensity) mm (Inches) |
|---|--|
| .5m (19.7") | 80mm(~3") D |
| 1m (39.4") | 185mm(~7") D |
| Typical output performance | |
| Distance = .5 meter | Illumination (Lux) 4200 |
| <i>Illumination measurement taken on White Lights – 6500K</i> | |



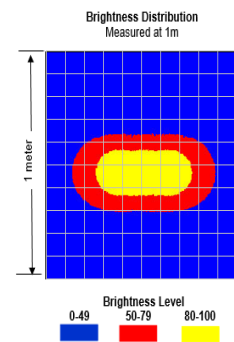
SXW30-XXX-W

| Working Distance mm (inches) | Pattern (80%-100% measured intensity) mm (Inches) |
|---|--|
| .5m (19.7") | 205mm(~8") D |
| 1m (39.4") | 415mm(~16") D |
| Typical output performance | |
| Distance = .5 meter | Illumination (Lux) 1300 |
| <i>Illumination measurement taken on White Lights – 6500K</i> | |



SXW30-XXX-L

| Working Distance mm (inches) | Pattern (80%-100% measured intensity) mm (Inches) |
|---|--|
| .5m (19.7") | 255mm(~10") H x 115mm(~4.5") V |
| 1m (39.4") | 460mm(~18") H x 250mm(~10") V |
| Typical output performance | |
| Distance = .5 meter | Illumination (Lux) 1900 |
| <i>Illumination measurement taken on White Lights – 6500K</i> | |





According to IEC 62471:2006. Full documentation upon request.

Notice

Exempt Group: No photo biological hazard to eyes or skin even for continuous, unrestricted use.
Applicable for wavelengths: 625, 850, and 940.

Caution

Risk Group 1: Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to eye. Safe for most applications except prolonged exposures.
Applicable for wavelengths: 395, 470, 505, 530, and WHI.

Notice

Risk Group 1: UV emitted from this product. Minimize exposure to eyes and skin. Use appropriate shielding. Safe for most applications except prolonged exposures.
Applicable for wavelengths: 395

Caution

Risk Group 2: UV emitted from this product. Eye or skin irritation may result from exposure. Use appropriate shielding. Does not pose optical hazard if aversion responses limit exposure.
Applicable for wavelengths: 365