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	-20º - 50º C (-4º - 122º F)
Lifespan	100,000 hrs
IP Rating	IP68
Compliances	CE and RoHS
Weight	~99g
IEC 62471 Rating	See page 4

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
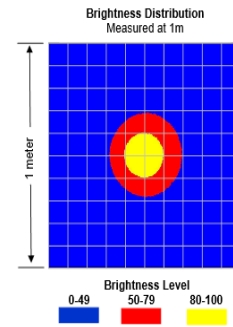Slotted Block Mount

PB30-M6
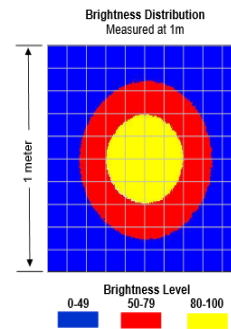Bolt-on Block Mount

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	Illumination (Lux)
Distance = .5 meter	4200
Illumination measurement taken on White Lights – 6500K	

Brightness Distribution
Measured at 1m

1 meter

Brightness Level
0-49　　50-79　　80-100

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	Illumination (Lux)
Distance = .5 meter	1300
Illumination measurement taken on White Lights – 6500K	

Brightness Distribution
Measured at 1m

1 meter

Brightness Level
0-49　　50-79　　80-100

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	Illumination (Lux)
Distance = .5 meter	1900
Illumination measurement taken on White Lights – 6500K	

Brightness Distribution
Measured at 1m

1 meter

Brightness Level
0-49　　50-79　　80-100

D = Diameter
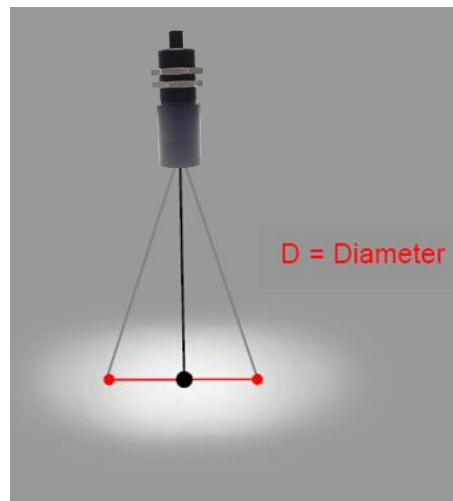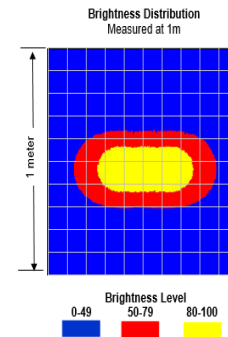
According to IEC 62471:2006. Full documentation upon request.

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