



product introduction

The SF30 Series of lights were designed with flexibility and focus ability in mind. The special fiber adapter allows the projected light to be bent around objects while still containing its intensity and tight focus pattern. Standard fiber size includes the 2 meter length with the option to customize to any length. The plug n' play design of the SF30 gives the users tremendous flexibility without the concern for additional wiring. The many mounting options include, but are not limited to, the Swivel Bracket, the Slotted Right Angle Bracket, and the heavy duty Bolt-on Block Mount. The SF30 also features an integrated constant current driver utilizing 24VDC built directly into the light. NPN or PNP strobe triggers can be used to control the pulse of the light.



product features



- 30mm Barrel Style Housing
- M12 Quick Disconnect
- Driver Built In- No External Wiring To A Driver
- PNP and NPN Strobe Input
- Dimmable Via Built In Potentiometer
- Special Optics For Focus Into A Fiber
- 1m Fiber Length Included - Custom Lengths Available
 - 2 meter – PSFB-2
 - X meter – PSFB-X



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)
Continuous Mode	Light will be in continuous mode by leaving signal on strobe input active
Potentiometer	Intensity control of 10% to 100% Clockwise increases intensity
Analog Intensity	The output is adjustable from 10 -100% of brightness by a 0 -10 VDC signal
Connection	5 pin M12 connector
Lifespan	100,000 hrs
IP Rating	IP50
Certification	CE and RoHS certified
IEC 62471 Rating	See page 2



product number key

SF30 - XXX



Part Number Key

Product Family:
Fiber Bundle
SF30

Color:
470 - Blue
505 - Cyan
530 - Green
625 - Red
850/940 - IR
WHI - White

CE and RoHS Compliant



warnings



Attention

Please note that the power requirements are 250mA per foot at 24VDC. Failure to supply light with 250mA per foot 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-M1
Swivel Mount



PB30-M2
Slotted Block Mount



PB30-M3
Slotted Right Angle



PB30-M6
Bolt-on Block Mount



PSFB-LENS-FC1
Focusable Lens



risk group

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

Notice

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