smart vision lights **PRODUCT DATA SHEET**

SOBL Series BACKLIGHT **Diffuse Backlight**

product introduction

The SOBL Backlight series of lights are an innovative and highly versatile light with many custom sizes available. The SOBL Series of backlights offers backlit LED's for a more intense and highly diffuse lighting option. With its built in driver, no external wiring is needed and its narrow depth of just 30mm allows for mounting in tight locations. Active area dimensions (mm) include but are not limited to 150x50, 150x150, 300x150, 300x300, 450x300, 450x450, and 600mm x 600mm. Contact Smart Vision Lights for more details on sizing.



product features

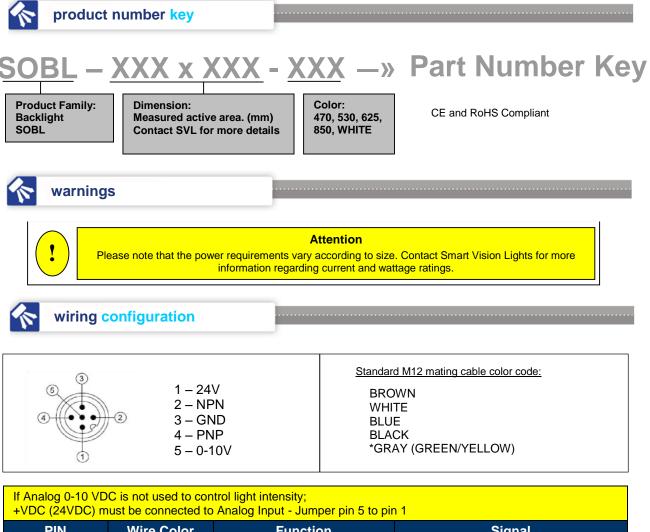


- 30mm industrial extrusion
- Driver built in No External wiring to a driver
- PNP and NPN Strobe input
- Continuous operation or Strobe mode
- Analog intensity 0-10VDC signal
- Limited Custom sizes available
- Offered in White, Red, Green, Blue, IR

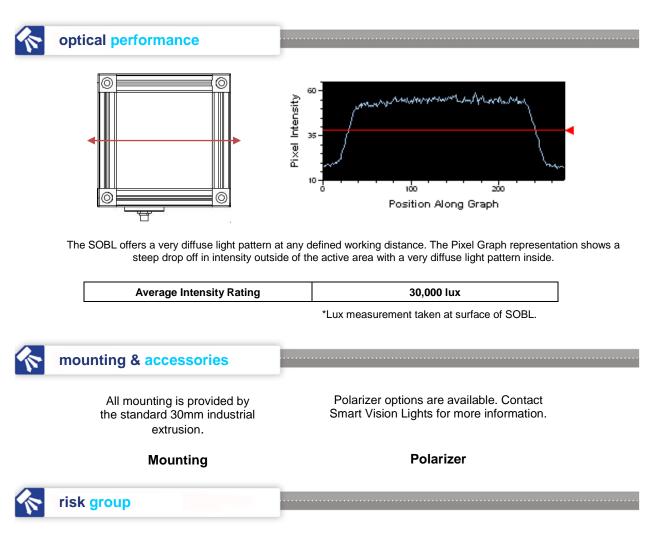


product specifications

Electrical Input	24 VDC +/- 5%		
Current	Based on size. Contact Smart Vision Lights		
Wattage	Based on size. Contact Smart Vision Lights		
Strobe Input	PNP ► +3VDC 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		
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		
Ambient Temp.	-20° - 50° C (-4° - 122° F)		
IP Rating	IP50		
Compliances	CE and RoHS		
Weight	Based on size. Contact Smart Vision Lights		
IEC 62471 Rating	See page 3		



PIN	Wire Color	Function	Signal
1	BROWN	Power	+24 VDC
2	WHITE	NPN Strobe	GND for Active ON
3	BLUE	Ground	GND
4	BLACK	PNP Strobe	4VDC to 30VDC for Active ON
5	GREEN	Analog Intensity Control	0-10 VDC



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: 530, 625, 850 and WHI.	
Caution Risk Group 1: Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. be harmful to eye. Safe for most applications except prolonged exposures. Applicable for wavelengths: 470.	May