

PB-12 HEAVY DUTY LED LIGHT SPECIFICATIONS

FEATURES

- Z Designed for mining and industrial applications
- Ingress protection IP68 rated
- Tempered glass lens
- Deutsch connector
- Built in thermal management
- No radio frequency interference





Part Numbers	Spot – SX62-0646 Flood – SX62-0647				
Light Source	Single 12 Array of CREE XM-L2 diodes				
LED Options	Spot and Flood				
Light Life	50,000 Hours Average Life Time				
Light Construction	Die Cast Aluminium Alloy A360				
Bracket Construction	Stainless Steel 5.5mm – SS304/SS316				
LED Driver	Parameter	Min	Typical	Max	Unit
	Voltage Power	10	24 60	28	V W
	Raw Lumens		7,200		Im
	Effective Lumens		6,050		lm
Power Consumption	10 – 28 VDC - < 2.5 Amps				
Light Protection	Electronic Thermal Management Reverse Voltage Protection				
	Under Voltage Shutdown				
	Transient Voltage Suppression				
Optics	Spot ± 9.5° Flood ± 12.5°				
Temperature	Ambient Operating Temperature -50° to +50°				
IP Rating	IP67, IP68				
Weight	1.5 kg (3.4 lb)				
Packaging	17.8 cm x 15.2 cm x 7.6 cm (7 in x 6 in x 3 in)				

PB-12 is designed with the latest in LED and power management technology. Built in thermal management electronics monitors system performance to ensure constant and maximum light output.

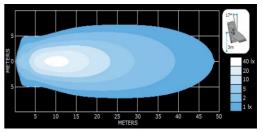
LED array with 12 CREE XM-L2 diodes delivers over 6,000 effective lumen output.

Built-in electronic thermal management with a state of the art current driver provides optimum light output and a luminary life time span that exceeds 50K hours.

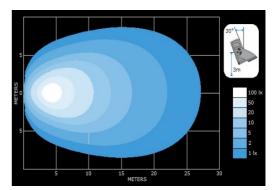


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PB-12 Spot lux distribution from a height of 3 m (10 feet) with 17° tilt.



PB-12 Flood lux distribution from a height of 3 m (10 feet) with 30° tilt.



Certificate of Compliance: 70018821

PX-12 is manufactured to the following standards:

CSA C22.2 No. 250.0-08 – Luminaires UL 1598, 3rd Ed. – Luminaires CSA C22.2 No. 250.13-14 – Light Emitting Diode (LED) Equipment for Use in Lighting Applications UL 8750, 1st Ed. – Light Emitting Diode (LED) Equipment for Use in Lighting Products

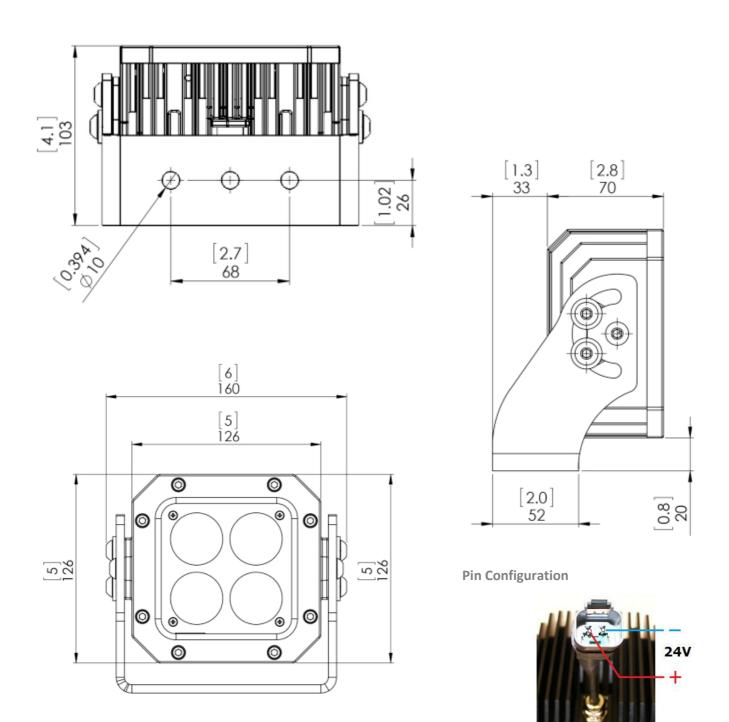
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"Specifically designed and built to operate under harsh mining conditions"



MECHANICAL SPECIFICATIONS



To ensure proper system operation adequate air circulation is required. Limited air circulation internal thermal management system will reduce power consumption which in turn will reduce system light output.

The internal thermal management system is designed to prevent the light from overheating.



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