

FEATURES

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



SPECIFICATIONS

Part Numbers	Spot – SX62-0717 Flood – SX62-0716
Light Source	Single 6 Array of CREE XML-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

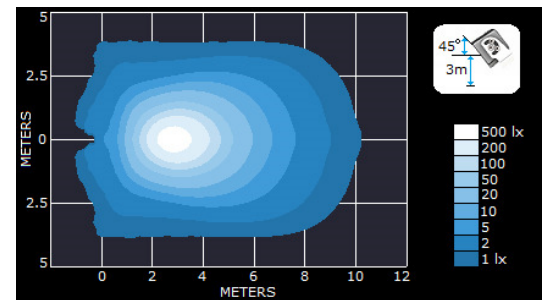
Parameter	Min	Typical	Max	Unit
Voltage	10	24	28	V
Power		29		W
Raw Lumens		3,000		lm
Effective Lumens		2,500		lm

Power Consumption	10 – 28 VDC < 1.2 Amps
Light Protection	Electronic Thermal Management Reverse voltage protection Under Voltage Shutdown Transient Voltage Suppression
Optics	Spot $\pm 9.5^\circ$ Flood $\pm 12.5^\circ$
Temperature	Ambient Operating Temperature -50° to $+50^\circ$
IP Rating	IP67, IP68
Weight	1.3 kg (2.86 lb)
Packaging	16.8 cm x 13.5 cm x 8.5 cm (6.6 x 5.3 x 3.3 in)

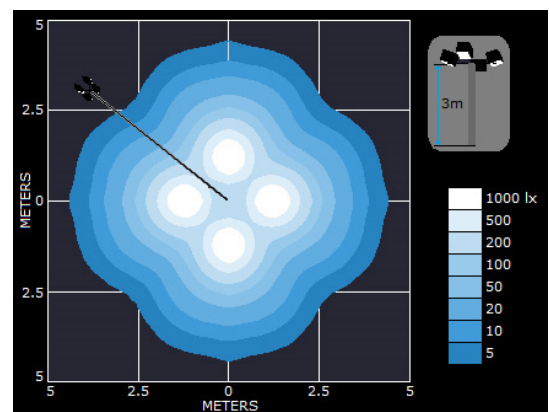
PB-6 is designed with the latest in LED and power management technology. Built in thermal management electronics monitors system performance to ensure constant and maximum light output.

LED array with 6 CREE XM-L2 diodes delivers over 2,500 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.

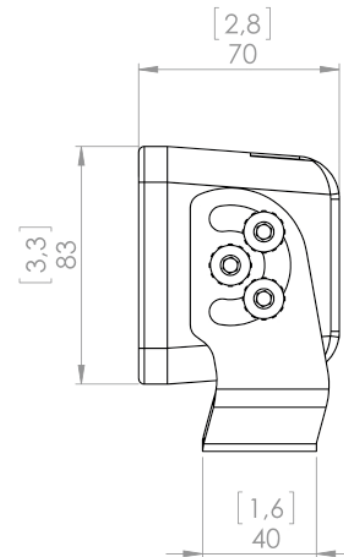
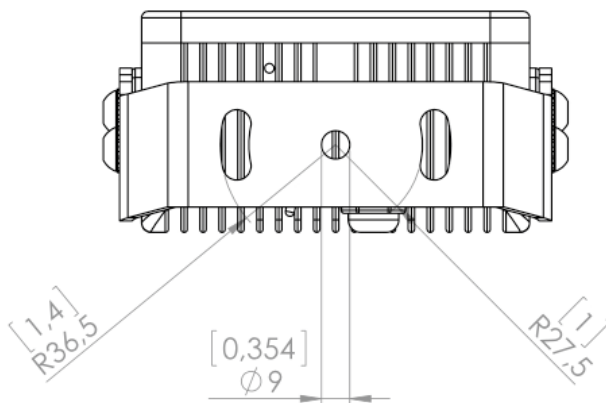
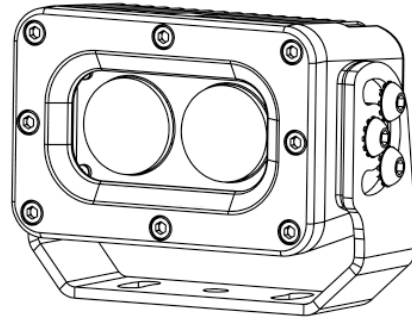
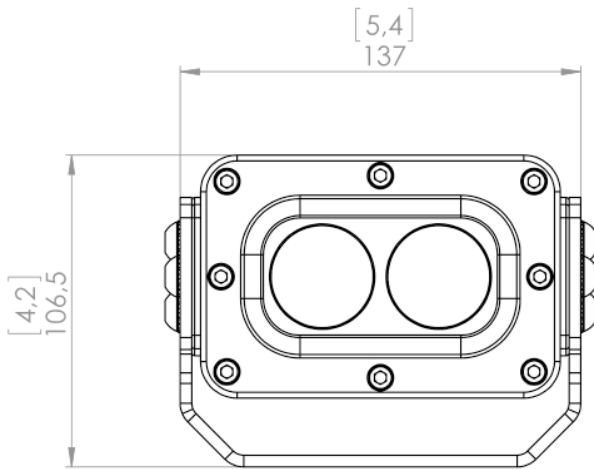


PB-6 Spot lux distribution from a height of 3 m (10 feet) with 45° tilt.



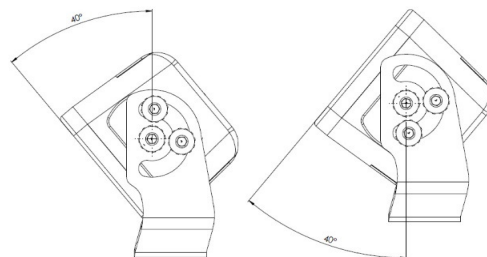
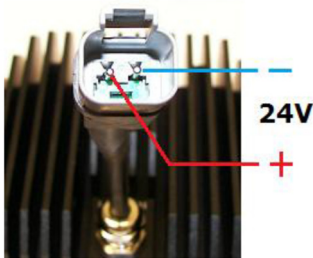
PB-6 lux distribution from a height of 3 m (10 feet) with 20° tilt.

MECHANICAL SPECIFICATIONS



Pin Configuration

PB-6 Tilt Angle



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.