



Specification Table

For further information please see the [Cree XLamp MK-R LED Data Sheet](#). The specific LED model used is MKRAWT-00-0000-0B00H4051.

Electrical

Item	Value
Supply Voltage (V_{in})	7 - 48 volts
Full Brightness Supply Voltage (V_{in})	10 - 48 volts
PWM Logic Voltage	3 - 48 volts
Peak Current	15 / V_{in} amps

Light

Maximum Brightness	1,500 lumens
Color Temperature	6,200 kelvin

Cable

Cable Diameter	3.8 mm	0.15 in
Cable Length	1 m	39 in
Cable Jacket	Black Urethane	
Conductor Insulation	Acid-Etched FEP	
Conductor Gauge	20 AWG	
Wires	Black - Ground	
	Red - Power	



Electrical

Yellow - Signal

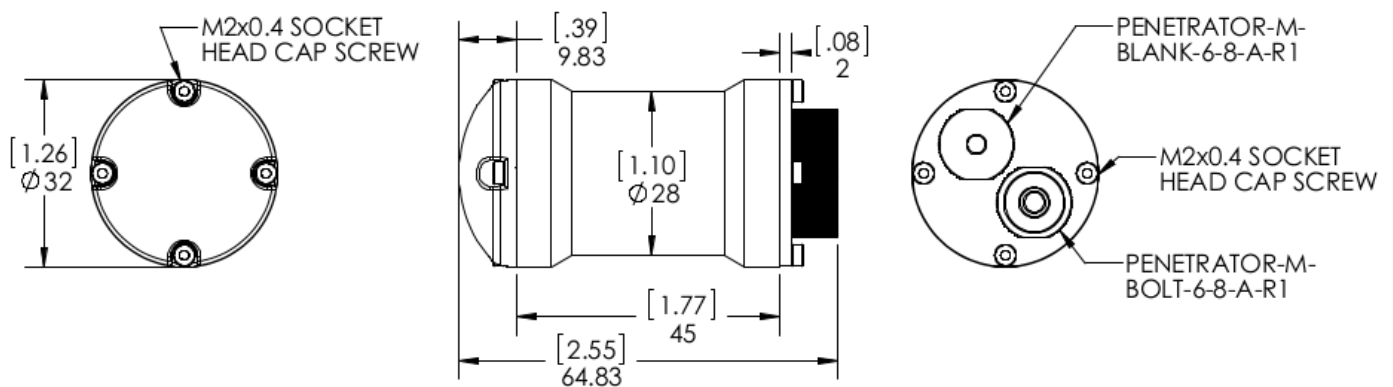
Physical

Pressure Rating ¹	300 m	985 ft
Overall Length	64.8 mm	2.55 in
Overall Diameter	32 mm	1.26 in
Bracket Mounting Hole Spacing	19 mm	0.75 in
Bracket Screw Size	M3	
Weight in Air (w/ 1m cable)	82 g	2.9 oz
Weight in Water (w/ 1m cable)	32 g	1.1 oz
Maximum Temperature when Run in Air	55° C	130° F
Beam Angle	135 degrees in water	

[1] Pressure rating is based on design and a conservative safety factor until testing is completed.

2D Drawings

Lumen Light Assembly





Lumen Light Mount

