

Explosion-proof surface mount LED light intended for wet corrosive marine environments



Larson Electronics'

Magnalight.com has introduced a surface mount explosion proof LED light designed to provide illumination in hazardous locations where durability and resistance to wet marine conditions is critical. The EPL-SMLED-20W is designed for Class 1 Division 1 locations and produces 1800 lumens of clean white light with a 6500K color temperature for excellent contrasting and detail rendering. This cool running explosion proof light is ideal for wet or corrosive environments and is designed to MIL-F-8115C military specifications for exposure to corrosive salt water environments to provide the best in reliable marine lighting for hazardous locations.

The EPL-SMLED-20W Explosion Proof LED Light produces 1800 lumens of illumination while drawing only 20 watts at 1.6 amps from a 12 volt DC power source. Designed with a heavy duty watertight aluminum body and MIL-F-8115C military specifications tested to resist corrosion from exposure to salt water and wet environments, this light is ideal for marine applications where corrosion is a serious issue. This light is equipped with flat base and machined mounting slots for secure permanent attachment to flat surfaces. An adjustable aluminum alloy yoke lets operators adjust the lamp head through 135° of vertical movement for optimal beam direction once mounted. This explosion proof light incorporates two 10 watt LEDs sealed within the lamp head to provide maximum output and high efficiency without the high heat associated with typical incandescent or HID explosion proof lamps. The LED emitters are protected by a thermal shock and impact resistant glass lens and the entire assembly is sealed against the intrusion of water and dusts

for complete ingress protection.

The LEDs in this lamp run much cooler, preventing accidental burns and reducing ignition potential, and provide the additional benefit of a 50,000 hour lamp life that far exceeds the operational life of incandescent lamp. This powerful and versatile LED light operates with voltages ranging from 9 to 48 volts DC, and is ideal for hazardous locations and corrosive environments where low voltage operation is preferred. The EPL-SMLED-20W explosion proof LED light is Class 1 Division 1 approved, UL 1598 and UL 844 approved for marine environments, and 500 hour salt-spray tested according to military MIL-F-8115C standards.

This unit is an ideal lighting solution for commercial boaters, dockside work areas, offshore oil platforms, and anywhere the reliability of corrosion resistant construction and hazardous location compliance is needed.

“This LED explosion proof light requires a fraction of the power consumption of typical halogen or HID lights while producing less heat and has a life span of 50,000 hours, more than double that of traditional bulbs,” said Robert Bresnahan of Larson Electronics Magnalight.com. “ The EPL-SMLED-20W is constructed of a heavy duty cast aluminum and is factory sealed, requiring no external seals, and is approved for saltwater and marine hazardous locations where corrosion is an issue.”

Larson Electronics' Magnalight.com carries an extensive line of explosion work lights, hazardous location lights, intrinsically safe lights, LED handlamps, and explosion proof tank lights. You can view Larson Electronics' entire Magnalight line of explosion proof lighting by visiting their website at Magnalight.com. Magnalight can be reached directly by calling 1-800-369-6671 or 1-214-616-6180 for international inquiries.

Source URL (retrieved on 10/22/2014 - 8:50pm):

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