

Hazardous Location Lighting - 150 Watts - 30 LEDS - Class 1, Division 2 - Permanent Mount

Part #: [HAL-PRM-150W-LED](#)



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The powerful and efficient HAL-PRM-150W-LED LED hazardous area light fixture from Larson Electronics produces 14,790 lumens of light capable of illuminating an area 18,000 square feet in size. Weather proof and U.L. listed for marine use, this LED equipped hazardous area fixture is a versatile and ideal exterior lighting solution for both hazardous and non hazardous locations.

*****PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS LIGHTING SYSTEM*****

The versatile, multi-use HAL-PRM-150W-LED LED fixture from Larson Electronics is weatherproof and suitable for use in outdoor and marine applications, making it an ideal lighting solution for industrial applications, boat docks, building exteriors and outdoor work areas. The lamp housing is weatherproof and constructed of die cast aluminum featuring a hinged, removable front-access door with two captive closure screws for easy servicing and heat/impact-resistant tempered flat door glass.



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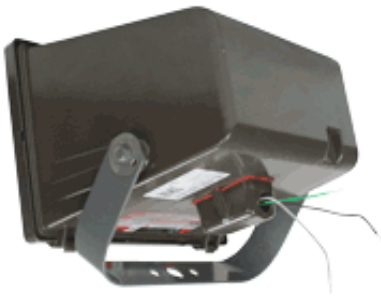
This hazardous location light contains thirty CREE XLamp XPG® five watt LEDs producing 493 lumens each. These LEDs are arranged in rows and paired with high purity optics to produce a 60 degree flood beam while only drawing 1.25 amps on 120V, making these units ideal for use as highly efficient yet powerful work and area lights. The HAL-PRM-150W-LED hazardous location LED light is an ideal replacement for fragile and hot running 400 watt metal halide floodlights. They offer Pulse Width Modulation control, cooler operation, low power requirements, high durability and a versatile mounting system that makes these LED floodlights superior lighting solution for industrial and commercial applications where power and reliability is critical.

This hazardous area light is U.L. rated Class 1 Division 2, Groups A B, C, D and UL1598 listed for Outdoor Salt Water Marine use. This unit operates with 120 VAC and all electronic components are protected within the weatherproof IP 65 rated housing. Wiring is through a convenient wiring box located on the bottom of the heavy duty housing which has a threaded ¼ inch conduit entrance. This lamp is suitable for use in areas where flammable petrochemical vapors are sometimes present. The multi-purpose design of this fixture makes it a popular choice for industrial applications regardless of whether the locations are designated hazardous or not.

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. These LED units contain advanced drivers which use pulse width modulation to control heat buildup rather than simple voltage regulators which are typically harsh on sensitive electronics and can contribute to early LED failure. These units automatically sense the temperature of each LED and adjust the energy frequency or “duty cycle” accordingly to maintain heat levels within acceptable ranges. This system in essence flashes current at an extremely fast on and off rate to each LED based upon the LED’s core temperature. This flash rate is too fast to detect with the human eye, but provides precise control of the current flowing to each LED and thus the heat it generates. This allows the LEDs to be driven at up to 90% capacity without overheating or visible loss of light output. The LEDs are always driven at the same voltage but the duty cycle, however, is changed to alter how long the LEDs are actually on or off. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 50,000 hours.

PWM Control: The pulse width modulation drivers in this unit prevent excessive heat buildup which reduces LED life and also provide secondary benefits through the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range.

Durability: As well as unparalleled heat control, the HAL-PRM-150W-LED series of LED floodlights from Larson Electronics also offer IP65 rated construction that is designed to withstand demanding environmental and operating conditions. These units can withstand temperatures of -40 degrees Celsius to 80 degrees Celsius, are IP65 rated waterproof, and resist ingress of dust, dirt and humidity. The housings are formed from cast aluminum and the lenses are tempered glass. All hardware on this unit is corrosion resistant and the die-cast aluminum exterior has an electro-coat dark bronze paint finish. The CREE XLamp XPG® LEDs help these units achieve 15.6Grms rated resistance to vibrations and are rated at 70% lumen maintenance after 50,000 hours of use. We recommend these LED lights for use in applications where a lot of dust, dirt, dampness and abusive working conditions are encountered.



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Mounting: Mounting is via an adjustable coated steel trunnion bracket that allows the fixture to be attached to walls or ceilings and provides secure adjustment and positioning.

Specifications / Additional Information**HAL-PRM-150W-LED LED Light Fixture****Lamp Type:** CREE XLamp-XPG® LED**Dimensions:** 14 "-Depth, 11"-H, 15 "W**Watts:** 150**Lumens Per Watt:** 98**Voltage:** 120-277/60, 220/50**Lighting Configuration:** 60° Flood Pattern**Mounting:** Adjustable Trunnion Bracket**Weight:** 25lbs**U.L. Listing:** Outdoor Marine Approved**Total Lumens:** 14,790**Wiring:** 3/4 inch Threaded Conduit Entrance**Ambient Operating Temp:** -30C to 85C**[Click Here to View Dimensional Schematic](#)**

*5 year warranty replacement on this LED light (or LED bulbs for light fixtures with removable LED bulbs). After 30 days, the customer ships the failed LED light and/or LED bulb to Larson Electronics at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics will provide a return label via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement. Please click here to see our 5 Year Warranty pamphlet.

Scroll Down to Purchase-**[Part #: HAL-PRM-150W-LED \(50255\)](#)****U.L Ratings**

Class-1 Division 2- Groups A,B,C,D

UL1598 Outdoor Marine Use

IP65 Construction

T1 Temperature Rating

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671**Intl:** 1-903-498-3363**E-mail:** sales@larsonelectronics.com





Links (Click on the below items to view):

- [Dimensional Drawing](#)
- [Manual](#)
- [STEP](#)
- [DXF](#)

- Hi-Res Image 1 - LED Hazardous Area Light Fixture
- Hi-Res Image 2 - LED Hazardous Area Light Fixture
- Hi-Res Image 3 - LED Hazardous Area Light Fixture
- Hi-Res Image 4 - LED Hazardous Area Light Fixture
- Hi-Res Image 5 - LED Hazardous Area Light Fixture
- Hi-Res Image 6 - LED Hazardous Area Light Fixture
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- Hi-Res Image 10 - LED Hazardous Area Light Fixture