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HAL-PRM-400W-MH-PM

Hazardous Location Lighting - 400 Watt Metal Halide - Class 1, Division 2 - Pipe/Rail Mount

Product ID: 72870

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

HAL-PRM-400W-MH-PM Metal Halide Light Fixture

Lamp Type: Metal Halide
Dimensions: 25"H x 17"W x 11"D
Watts: 400
Lumens Per Watt: 85 Lm/W
Voltage: 120-277V/60Hz
Lighting Configuration: Flood Pattern
Beam Spread: 7 (146°) x 6 (119°)
Mounting: Bar Clamp Mount
Weight: 35 lbs
U.L. Listing: Outdoor Marine Approved
Total Lumens: 34,000
Wiring: 3/4" NPT Threaded Conduit Entrance
Click Here to View Dimensional Schematic

U.L Ratings

Class I Division 2 Groups A,B,C,D
Class I, Zone 2, Groups IIC,IIB,IIA
Suitable for Wet Locations
NEMA 4X
IP66
Bulb NOT Included

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The HAL-PRM-400W-MH-PM from Larson Electronics is a Metal Halide Hazardous Area Light Fixture with Bar Clamp Mounts that produces 34,000 lumens of light capable of illuminating an area 18,000 square feet in size. Weatherproof and U.L. listed for marine use, this bar clamp mount metal halide fixture is a versatile and ideal exterior lighting solution for both Class I Division 2 Groups A, B, C & D hazardous areas as well as non-hazardous locations.

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

The versatile, multi-use HAL-PRM-400W-MH-PM metal halide fixture from Larson Electronics is weatherproof and suitable for use in outdoor 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. The optical assembly includes a precision-formed aluminum reflector and a thermal shock, impact-resistant lens. This metal halide light fixture also features continuous silicon gasketing, corrosion resistant external hardware and a trunnion mounting bracket with stainless steel hardware for angle adjustments and a pair of aluminum bar clamp mounts for mounting.

The aluminum reflector has a chemically bonded, lightweight, non-breakable ALGLAS® finish on both the inside and outside surfaces providing corrosion resistance, durability and ease of cleaning. The optical assembly contains a mogul base socket capable of handling the higher pulse ratings of newer HID systems. Bulb is not included with with this fixture.

This hazardous area light is U.L. rated Class I Division 2, Groups A, B, C & D and suitable for wet locations with IP66 and NEMA 4X ratings. The integral pulse start ballast is protected within the weatherproof housing and operates on 120-277V AC voltages. 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.

This light is highly durable, produces high light output in a wide flood pattern and operates effectively at temperatures to -20 degrees F. 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. All hardware on this unit is corrosion resistant and the die-cast aluminum exterior has an electro-coat dark bronze paint finish. Wiring is through a convenient wiring box located on the bottom of the heavy duty housing which has a 3/4" NPT conduit entrance.

LAMPS: Use only lamps specified on nameplate. Bulb not included with fixture. Observe lamp manufacturer`s recommendations and restrictions on lamp operation, particularly ballast type, burning position, etc.

Click Here for Installation Instructions

INSTALLATION INSTRUCTIONS This floodlight is provided with a trunnion bracket fitted with two bar clamp mounts for easy mounting on pipes of varying dimensions. The aluminum bar clamp mounts are not adjustable. Instead, operators may choose the size of the pipe they will be installing the light when ordering below. Small machine screws secure the bottom half of the clamps to the top portion. The installer simply removes the bottom portion of the clamps and places the assembly on the rail or bar. The bottom portion is then positioned and secured with the machine screws, cinching the clamp tightly to the bar. An additional set screw at the very bottom of the mount adds additional security for bars that are slightly off size (metric outer diameters).

AIMING: Slightly loosen bolts "A" (two on trunnion) and tilt luminaire to desired position and retighten bolts.

LAMPS: Use only lamps specified on nameplate. Bulb not included with fixture. Observe lamp manufacturer`s recommendations and restrictions on lamp operation, particularly ballast type, burning position, etc.

LAMP TIGHTNESS: Mogul Base Lamp: The lamp should be securely inserted to the NEMA-EEI specified torque of 35 inch-pounds which is best achieved by very firmly tightening to insure application of sufficient torque. Tightening must be sufficient to fully depress and load the center contact of the socket.

WIRING: Make all electrical connections in accordance with the National Electrical Code and any applicable local code requirements. Verify that supply voltage is correct by comparing it to nameplate. Three-conductor No. 14 cable (with 90°C minimum insulation) is recommended for making electrical connections to the P-154. Wiring is

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Made in the USA Quality

1. High Efficiency Metal Halide lamp.
2. 85 Lumens per Watt
3. Rugged Die Cast Aluminum Housing.
4. Hinged Lens Door - Tempered Glass.
5. Heavy Duty Door Gasket.
6. Socket: Mogul Base Handles Higher Pulse Ratings of Newer HID Systems.
7. Low Maintenance.
8. Bar Clamp Mount with Adjustable Trunnion Bracket - Corrosion Resistant.
9. Electro-Coat Dark Bronze Paint Finish
10. Effective at temperatures to -20 Degrees F.

Metal Halide Benefits

1. Long lamp life.
2. High efficiency and low amp draw after initial startup.
3. High durability and reliability.
4. High output and very good color rendering..
5. Vibration and shock resistant.
6. Low maintenance.

accomplished through the wiring box provided on the fixture. The box is provided with a size 3/4" NPT threaded conduit opening. Wiring methods must comply with NFPA 70 (The National Electrical Code), Article 501 for Class I, Division 2 Hazardous (Classified) Locations. To get inside the unit, open the door, loosen the (2) screws holding the reflector and remove the reflector. Verify the correct supply voltage and lamp wattage.

Please Note: This fixture does not include bulb. Please see related items for replacement lamp.

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Frequently Asked Questions (FAQ)

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HAL-PRM-400W-MH-PM
Product ID: 72870

Warranty: 60 Months

Export Control Classification Number (ECCN): EAR99

Options:
HAL-PRM-400W-MH-PM-Voltage-Rail Size
Example: HAL-PRM-400W-MH-PM-120V-.75

Voltage	
120V	-120V
208V	-208V
240V	-240V
277V	-277V

Rail Size	
.75	-.75
1	-1
1.25	-1.25
1.5	-1.5
1.75	-1.75
2	-2
2.25	-2.25
2.5	-2.50
2.75	-2.75
3.0	-3

Links (Click on the below items to view):

- **HigResPic1**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**