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HAL-TRN-250-480V

250 Watt Metal Halide Light - Class 1 Division 2 Groups A, B, C, D - Wet Area Approved

Product ID: 64227

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-TRN-250-480V
Lamp Type: Metal Halide
Dimensions: 17 " W X 7" D X 20"3/4 H
Watts: 250
Lumens Per Watt: 100-115 Approx
Voltage: 480V
Lighting Configuration: Flood Pattern
Mounting: Zinc Plated Trunnion Yoke
Weight: 29.7 lbs
U.L. Listing: Wet Area Approved
Total Lumens: Approx 26,000
Wiring: 3/4 inch Threaded NPT Conduit Entrance

U.L Ratings
Class I, Division 2 Groups A, B, C, D
UL Standard 1598 (supersedes UL Standard 57)
UL Standard 844
Class I Div. 2 UL Standard 1598A
Max OP Temp 325°C (T1 NEC ID Number)
Operating temperature 325 degrees C (T1)
Bulb NOT Included

Special Orders - Special Requirements
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Made in the USA

The extremely durable Larson Electronics HAL-TRN-250-480V metal halide hazardous area light produces exceptional illumination from a 250 watt metal halide lamp. Constructed of die cast aluminum and U.L. listed for wet areas, this metal halide fixture is a versatile and ideal hazardous area lighting solution for areas where wet or damp environments may be encountered.

The durable HAL-TRN-250-480V metal halide light fixture is suitable for use in wet outdoor environments, making it an ideal lighting solution for industrial

applications, boat docks, building exteriors and outdoor work areas. The lamp housing is weather resistant and constructed of pressure cast copper free aluminum with an architectural bronze Polyester finish. The lens door is pressure-cast copper-free aluminum, and secured with 1/4" diameter captive stainless steel slotted hex-head bolts. This unit is configured for 480 Volts AC. Also available with an integral multi-tap ballast with a choice of 120V, 208V, 240V, or 277V connections.

The optical assembly includes thermal shock and impact resistant door glass with a pressure-cast copper-free aluminum door frame and heavy duty, high temperature silicone rubber seal. The lamp socket is a specification grade mogul base porcelain unit with heavy gauge brass, a nickel-plated, double lamp-grip screw shell and spring-loaded center contact. The reflectors are a double segment compound parabolic design with Alzak® finish for maximum efficiency.

Mounting is provided via a zinc plated steel yoke with architectural bronze Polyester finish.

This hazardous area light is rated U.L. standard 844 and 1598 compliant, approved Class 1 Division 2, Groups A,B,C,D, and functionable in an environment of up to 180 degrees celcius. This lamp is suitable for use in areas were flammable gases and vapors are present occasionally.

This 250 watt metal halide light is highly durable, produces approximately 26,000 lumens in a wide flood pattern, and can operate in ambient temperatures to 180 degrees C and will not produce temperatures greater than 325 degrees C. All hardware on this unit is resistant to rain, snow, salt water and corrosive chemicals. The heavy duty design and attractive finish of this fixture makes it a popular choice for outdoor applications regardless of whether the locations are designated hazardous or not.

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 Notes on Wiring this Light

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. Wiring is accomplished through the wiring box provided on the fixture. The box is provided with a size 3/4-in. 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. Bulb not included.

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

Made in the USA Quality

1. High Efficiency Metal Halide lamp.
2. Approximately 100-115 Lumens per Watt
3. Rugged Pressure Cast Aluminum Housing.
4. Thermal Shock and Impact Resistant Glass Lens Door.
5. Heavy Duty Door Gasket.
6. Socket: Mogul Base heavy gauge brass, nickel-plated double lamp-grip screw shell .
7. Low Maintenance.
8. Slip Fit Pole Mount or Zinc Plated Yoke Mount.
9. Heavy Duty High Heat Silicone Door Glass Seal.
10. Architectural Bronze Polyester Finish.

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.

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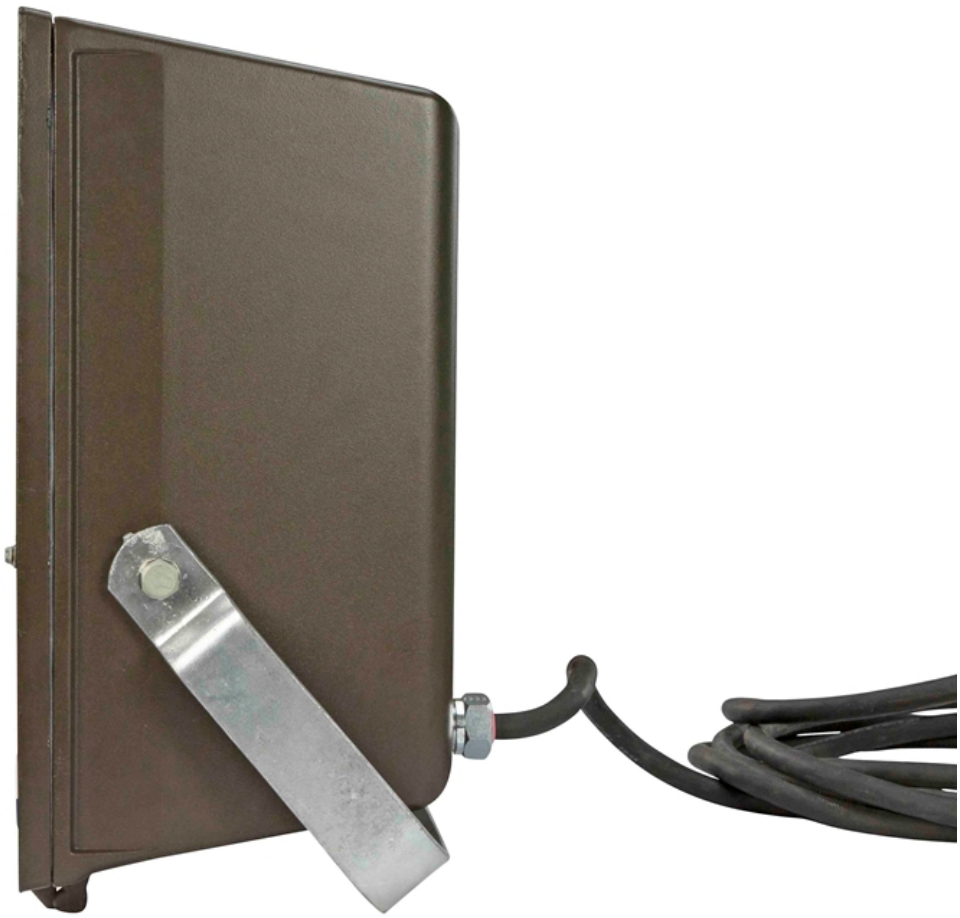
Frequently Asked Questions (FAQ)









Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Wiring Diagram**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**