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HAL-TRN-400W-HPS-220V.50HZ

400 Watt High Pressure Sodium Light - C1D2 Groups A-D - 220V 50 Hz - T3B Temperature - 50,000 lumens

Product ID: 149780

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-400W-HPS-220V.50HZ High Pressure Sodium

Lamp Type: High Pressure Sodium
Dimensions: 47 " W X 11" D X 25 1/4" H w/Trunnion Mount
Watts: 400
Lumens Per Watt: 125
Voltage: 220V 50 Hz ballast

Lighting Configuration: Flood Pattern

Mounting: Slip Fit Pole Mount or Zinc Trunnion
Weight: 45 lbs
U.L. Listing: Outdoor Marine Approved

Total Lumens: 50,000

Lamp: Included

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 (T3b)

Bulb NOT Included

Special Orders- Requirements

Contact us for special requirements

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Made in the USA

The extremely durable Larson Electronics HAL-TRN-400W-HPS-220V.50HZ high pressure sodium hazardous area light produces exceptional illumination from a 400 watt high pressure sodium lamp. Constructed of die cast aluminum and U.L. listed for marine use, this metal halide fixture is a versatile and ideal hazardous area lighting

solution for areas where wet or corrosive environments are encountered.
The rugged HAL-TRN-400W-HPS-220V.50HZ high pressure sodium light fixture is weatherproof and suitable for use in wet, outdoor and marine environments, 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 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 features an integral 220V 50 Hz ballast.
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 choices include:

(1) Yoke mount: zinc plated steel yoke with architectural bronze Polyester finish.
(2) Pole top mount: built-in slip-fitter for internal wiring. Adjustable laterally and vertically. Slip fits 2” or 2 1/2” pipe. Architectural bronze Polyester finish.
This hazardous area light is rated IP65, U.L. standard 844 and 1598 compliant, approved Class 1 Division 2, Groups A,B,C,D, and U.L. listed 1598A for outdoor salt water marine environments. The integral multi-tap ballast is protected within the weatherproof housing and operates on a 220V 50 Hz ballast. This lamp is suitable for use in areas where flammable petrochemical vapors are sometimes present.
This 4000 watt high pressure sodium light is highly durable, produces 50,000 lumens in a wide flood pattern, and has a maximum operating temperature of 325°C (T1 NEC Identification Number). 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 HPS lamp.
2. Approximately 125 Lumens per Watt
3. Rugged Pressure Cast Aluminum Housing.

High Pressure Sodium Benefits

1. Long lamp life.
2. High efficiency and low amp draw after initial startup.

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.

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)






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Product ID: 149780

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map