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IND-HB-HH-140W-RD3-LED-TRC-ASL-M1

140 Watt High Bay AC LED High Temperature Environment Light Fixture - IP67 - Factory Sealed Light Fixture - Anti-Static Lens

Product ID: 272205

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.

IND-HB-HH-140W-RD3-LED-TRC-ASL-M1 High Temperature Dimmable High Bay AC LED

Lamp Type: High Temperature Environment AC LED
Listing: United States & Canada
Dimensions: 9.59"OD x 10.94"H
Weight: 24.25 lb
Voltage: 120 V AC, 208 V AC, 220 V AC, 240 V AC, 277 V AC
Total Watts: 140W
Lumens: 14,700 (5000K) or 13,300 (3000K)
Luminous Efficacy: 105 Lm/W (5000K) or 95 Lm/W (3000K)
Lamp Life: 60,000+ Hours
Color Temp: 5000K Cool White or 3000K Warm White
Color Rendering Index: >70 CRI
Beam Angle: 110°
Lighting Configuration: Flood Beam
Power Efficiency: >85%
Power Factor: 0.9
Amperage: 1.16 A @ 120 V AC, 0.67 A @ 208 V AC, .63 A @ 220 V AC, 0.58 A @ 240 V AC, 0.50 A @ 277 V AC
Ambient Operating Temp Range: -60°C to +100°C
Housing Material: Aluminum Alloy
Lens Material: Tempered Glass
Mounting: Pendant
Wiring: 10' 16/3 SOOW Cord

Ratings/Approvals

Certified to UL 1598
Factory Sealed Light Fixture
Compatible With Lutron C.L. Series Dimmers
ABS Type Approval
IP67 Waterproof
NEMA 6/6P

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

The IND-HB-HH-140W-RD3-LED-TRC-ASL-M1 from Larson Electronics is a High Temperature Environment Dimmage Light Fixture that is a compact powerhouse ruggedly built to withstand demanding conditions and designed for high bay mounting. The IND-HB-HH-140W-RD3-LED-TRC-ASL-M1 features state-of-the-art AC LEDs paired with specially designed heat sinks for the improved efficiency, thermal management, and durability necessary for high temperature environments. Available in 5000K warm white and 3000K cool white options, this sleek and modern fixture delivers brilliant illumination and maximum efficiency. In addition to IP67 rated construction, the corrosion and weather resistant housing features a special coating that rejects dust collection and buildup, making this AC LED high bay fixture especially suitable for oil refineries, petrochemical plants, offshore rigs, painting facilities, and the transportation of natural gas and liquefied petroleum gas.

Light Features: With a compact pendant mounted design and sleek body, the IND-HB-HH-140W-RD3-LED-TRC-ASL-M1 provides brilliant illumination and robust performance in an aesthetically appealing package. Available in 5000K warm white and 3000K cool white options, the 110° flood beam provides crisp, clean illumination while taking up minimal space, with a diameter of just 9.59" and an installed height of 10.94".

IP67 rated construction means the IND-HB-HH-140W-RD3-LED-TRC-ASL-M1 high bay fixture is tough enough to withstand the corrosive effects of harsh outdoor conditions, including sun, wind, rain, sleet, snow, and saltwater spray. This fixture is completely protected against the ingress of dust, dirt, and humidity as well as withstand the corrosive effects of saltwater spray and harsh outdoor conditions. Housed within a corrosion resistant aluminum alloy body and protected by a tempered glass lens, the IND-HB-HH-140W-RD3-LED-TRC-ASL-M1 features the added bonus of a dust and buildup rejecting exterior coating.

The IND-HB-HH-140W-RD3-LED-TRC-ASL-M1 utilizes AC LEDs paired with a heavy-duty housing and an advanced heat sink that allows for improved efficiency and thermal performance. By eliminating the drivers associated with DC LEDs, space is freed up for more connective surface, accelerating heat dissipation and increasing durability. The specially designed heat sink allows for greater surface area contact with the air as well as a stronger airflow rate. Because this fixture is created for maximum thermal efficiency, it is ideal for applications in which the ambient operating temperature falls into extreme ranges, especially high heat applications. Furthermore, fewer sub-components also means fewer chances for secondary component failure. The simplified circuit system used within AC LEDs creates greater stability and enhances luminaire lifespan.

High Temperature Environments: The IND-HB-HH-140W-RD3-LED-TRC-ASL-M1 is designed for use in high temperature environments. It has an ambient operating temperature range of -60°C to +100°C. This unit employs direct AC LEDs which eliminate the need for the high temperature sensitive drivers that other LED lights rely on to work. Without any drivers, this light can endure much higher temperatures than other options. Additionally, the IND-HB-HH-140W-RD3-LED-TRC-ASL-M1 has no need for the large, external heat sinks commonly found on other high heat LED units. No external ballasts or drivers like on fluorescent, HID, and some LED fixtures made for high heat, easy wiring, and longer lamp life combine to make this high heat LED light an ideal choice for high temperature environments.

Dimming: The IND-HB-HH-140W-RD3-LED-TRC-ASL-M1 can be wired with a dimmer switch for dimming capabilities. This gives operators the ability to manually adjust the brightness of the LED lamp quickly and easily. When using an electronic dimmer switche, the IND-HB-HH-140W-RD3-LED-TRC-ASL-M1 will dim from 0% up to 100% via the user provided dimming switch. This explosion proof LED light fixture is compatible with Lutron C.L. series dimmer switches. Compatible dimmers in that series include the following: Diva® C•L® dimmer, Ariadni®/Toggler® C•L® dimmer, Luméa® C•L® dimmer, Maestro® C•L®

dimmer and Skylark® C•L® Dimmer.



Click Photo to Enlarge

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.
LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.
Mounting: The IND-HB-HH-140W-RD3-LED-TRC-ASL-M1 high bay fixture is designed to be pendant mounted via a 3/4" hub on the back side of the fixture. Operators bring rigid conduit down to the mounting hub. Wiring is fed through the conduit and and tied in to the fixture`s lead wires, completing the electrical connection.
Power/Wiring/Plug: The IND-HB-HH-140W-RD3-LED-TRC-ASL-M1 is available in the following voltages: 120 V AC, 208 V AC, 220 V AC, 240 V AC, and 277 V AC.
Suggested Applications: Oil refineries, petrochemical plants, offshore rigs, painting facilities, and the transportation of natural gas and liquefied petroleum gas.
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.

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Frequently Asked Questions (FAQ)







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IND-HB-HH-140W-RD3-LED-TRC-ASL-M1
Product ID: 272205

Warranty: 60 Months

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:
IND-HB-HH-140W-RD3-LED-TRC-ASL-M1-Voltage-Color Temp
Example: IND-HB-HH-140W-RD3-LED-TRC-ASL-M1-120V-30K

Voltage	
120V	-120V
208V	-208V
220V	-220V
240V	-240V
277V	-277V

Color Temp	
3000K	-30K
5000K	-50K

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