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ATEX-EPL-AE.EX-HB-100W-TRN

100W Flameproof High Bay LED Fixture - 100-250V AC 50/60Hz - 10356 lms, Trunnion Mount - ATEX/IECEx

Product ID: 273710

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.

ATEX-EPL-AE.EX-HB-100W-TRN High Bay LED Light

Listing: NRTL Listed for European and International Use
Lamp Technology: LED
Dimensions: 22.87"-OD x 23.42"-L
Weight: 26.5 lbs
Voltage: 100-250V AC, 50/60 Hz
Total Watts: 100W
Lumens: 10,356
Luminous Efficacy: 103.56 Lm/W
Lamp Life: 50,000+ Hours
Color Temp: -
Color Rendering Index: -
Lamp Type: -
Lamp Base: -
Replacement Lamp: -
Beam Angle: 40° Wide Spot, 60° Narrow Flood, 120° Wide Flood or 85° x 135° Aisle Lighter
Lighting Configuration: Flood Pattern
Recommended Mounting Height: <5M (120°), 6-8M (60°), 8-12M (85° x 135°), or 8-12M (40°)
Power Factor: -
Amps: -
Ambient Operating Temp Range: -40° C to +55°C
Operating Temp Rating: T6
Housing Material: Die Cast Aluminum Alloy

Ratings/Approvals

Approved for Zone 1 and Zone 2
Approved for Zone 21 and Zone 22
ATEX EX II 2GD
Ex db eb op is IIC T5/T4 Gb
Ex tb III C T95°C/T130°C Db
-40 °C Ta + 40°C / + 55 °C
NRTL Certified to EN 60079
NRTL Certified to IEC 60079
IECEx: IECEx CNEX 17.0001X
ATEX: CNEx 16 ATEX 0010X
IP66

Special Orders - Special Requirements

Housing Finish: Epoxy Resin Powder

Lens Material: Toughened Glass

Mounting: Trunnion U-bracket Mount

Cable Diameter: 8-17mm

Wiring Hub: (1) M25 x 1.5 Molded Plastic w/ Stopping Plug

Contact us for special requirements

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The Larson Electronics ATEX-EPL-AE.EX-HB-100W-TRN Explosion Proof High Bay LED Light is approved for ATEX/IECEx rated environments. This LED unit is designed for installation in locations where flammable gases, vapors and liquids, combustible dusts, and/or ignitable fibers and flyings exist or have the potential to exist. Protected by a die-cast aluminum alloy housing, the IP66 rated fixture operates on 100-250V AC, 50/60Hz.
******PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS HAZARDOUS LOCATION LIGHT FIXTURE******
The ATEX-EPL-AE.EX-HB-100W-TRN hazardous area light is the perfect upgrade replacement for traditional metal halide lamps. Suitable for extreme temperatures, the flameproof LED light delivers a powerful 10,356 lumens and high chromaticity for excellent color rendering while drawing only 100 watts. Designed with versatility in mind, this explosion proof hazardous area light runs on 100-250V AC, 50/60 Hz. The LED lamp is offered with the following beam angle configurations: 40° Wide Spot, 60° Narrow Flood, 120° Wide Flood or 85° x 135° Aisle Lighter.
Suitable for ATEX/IECEx rated sites, the explosion proof LED lamp is protected by a die-cast aluminum alloy housing with an epoxy resin powder finish for added durability. The lens is made out of toughened glass. All external hardware consists of stainless steel components.
LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. Instead of using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied. With LED lighting technology, there is no warm up time or cool down time before re-striking. Rather, LEDs provide instant illumination when powered on, making them more dependable and convenient than halide or incandescent lighting methods.
By nature, LED light sources run significantly cooler than metal halide lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional halide lighting. This internal driver provides the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. This not only reduces the energy dissipation, effectively lowering the operating temperature of the fixture, but also prevents AC over-voltage and short circuit loading making this fixture virtually maintenance free.
Hubs: Cable entry is facilitated by one M25 x 1.5 molded plastic hub with a stopping plug. This unit accepts a cable diameter range of 8-17mm (rubber coated and armored cable wiring) for connection to terminals.
Mount: The high bay LED light is equipped with a trunnion u-bracket mount for mounting on walls or flat surfaces. After securing the explosion proof light, operators can adjust the light head accordingly. We also offer 90° stanchions 25° stanchion, wall, and street light mount options.
At Larson Electronics, we do more than meet your lighting and power distribution needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting or power distribution 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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Product ID: 273710

Export Control Classification Number (ECCN): EAR99

Options:

ATEX-EPL-AE.EX-HB-100W-TRN-Beam Angle

Example: ATEX-EPL-AE.EX-HB-100W-TRN-40B

Beam Angle	
40° WIDE SPOT	-40B
60° NARROW FLOOD	-60B
120° WIDE FLOOD	-120B
85° X 135° AISLE LIGHTER	-85.135B

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Links (Click on the below items to view):

- HigResPic1
- HigResPic2
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map