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EPLC-AE.EX-2X24BS-AH2-2X400W-MH-4X16AB-240V-M1

800W Explosion Proof Metal Halide Light Cart - (2) MH Lights w/ Base Stands, 50M Line-in Cord - ATEX/IECEx

Product ID: 275799

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.

EPLC-AE.EX-2X24BS-AH2-2X400W-MH-4X16AB-240V-M1 Metal Halide Outdoor Light System

Wheelbarrow Cart Specs

Listing: NRTL Listed for International, European Union
Dimensions: -
Weight: -
Voltage: 240V AC
Breakers: (4) 16A
Receptacles: (4) 16A 2P3W [220V]
Power Distribution Type: FGP Breaker Panel
Cart Capacity: (4) Portable Flood Lights
Compatibility: EPL-AE.EX-XX-24BS Series Portable Flood Lights
Materials: Non-sparking
Mount: Powder Coated Wheelbarrow Cart w/ Polyurethane Wheels
Line-in Cord: 50M (164') 3-core 4mm2 (12/3 AWG) SOOW Cord w/ EXP Plug
Cord Cap: 32A 2P3W EXP [220V]

Metal Halide Lamp Specs

Listing: NRTL Listed for International, European Union
Lamp Technology: Metal Halide
Lamp Qty: (2) Bulb Included
Base Stand Dimensions: Adjustable Height - 1.5M (5') to 2M (6.5')
Weight: -
Voltage: 240V AC
Frequency: 50 Hz

Ratings/Approvals

Wheelbarrow Cart Ratings

ATEX/IECEx Rated
Approved for Zone 1 and 2
Approved for Zone 21 and 22
ATEX EX II 2 GD
IEC Ex d e IIC T6 Gd IP66
IEC Ex tb IIC T80°C Db
Temp Rating -40Ta50
NRTL Certified to IEC 60079
NRTL Certified to EN 60079
CE Certified
Conforms to CE 0575
IP66 Weatherproof

Metal Halide Light Ratings

ATEX/IECEx Rated
Zone 1/Zone 2
Zone 21/Zone 22
Ex de IIB T3 Gb
Ex t IIIC T3 Db
Ex II 2 GD Ex de II B T3 Gb
IP66
Internal Igniter/Starter/Ballast

Total Watts: 800W
Single-lamp Watts: 400W
Total Lumens: -
Luminous Efficacy: -
Lamp Life: 25,000+ Hours
Color Temperature: 4100K Daylight White
Color Rendering Index: -
Lamp Type: -
Lamp Base: E40
Replacement Lamp: -
Beam Angle: -
Lighting Configuration: Flood Pattern
Power Efficiency: -
Power Factor: >0.98 PF
Ballast Type: -
Ballast Position: Internal
Amperage: 3.33A @ 240V
Ambient Operating Temp Range: -20°C to +55°C
Ambient Operating Humidity: <95%
Temperature Rating: T3
Housing Material: Die Cast Aluminum Alloy w/ Aluminum Wire Guard
Housing Finish: Epoxy Resin Powder
Lens Material: Borosilicate Glass, Aluminum Reflector
Base Stand Frame Material: Powder Coated Aluminum - Blue
Mounting: Wheelbarrow Cart - (2) Adjustable Base Stands - 1.5M (5') to 2M (6.5') w/ Adjustable T-handle Tension Lock for the MH Lights
Cords: (2) 25M (82') 3-core 2.5mm2 (16/3 AWG) SOOW Cables w/ EXP Plugs
EXP Plugs: (2) 16A 2P3W EXP [220V]

Impact/Vibration Resistant
Bulbs Included

Special Orders - Special Requirements
Contact us for special requirements
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The Larson Electronics EPLC-AE.EX-2X24BS-AH2-2X400W-MH-4X16AB-240V-M1 Explosion Proof Metal Halide Light Cart is designed for powerful illumination in ATEX/IECEx rated flammable environments. This mobile system comes with two 400-watt metal halide lights (bulbs included) on adjustable base stands. Both lights with base stands are secured to a powder coated wheelbarrow cart, which contains a power distribution FGP breaker panel, receptacles and cord wrap management for included power cords.

The EPLC-AE.EX-2X24BS-AH2-2X400W-MH-4X16AB-240V-M1 is a mobile lighting solution for combustible facilities, industrial sites and outdoor locations. This unit consists two 400-watt metal halide lights (total 800 watts) on powder coated aluminum base stands. Equipped with an E40 lamp base, the fixtures deliver 4100K daylight white illumination in a flood beam configuration and are protected by aluminum wire guards. The ballasts are located inside the impact and vibration resistant units. Bulb are included with the fixtures.

The explosion proof lights are constructed of die-cast aluminum alloy, with an epoxy resin powder finish for corrosion resistance, and stainless steel hardware. The lens consists of borosilicate glass and is equipped with an aluminum reflector. These IP66-rated units come with an approximate lifespan of 25,000+ hours and are suitable for ATEX/IECEx rated Zone 1/Zone 2 and Zone 21/Zone 22 flammable environments. Equipped with a T3 temperature rating, the outdoor fixtures can be used in locations with ambient temperatures ranging between -20°C to +55°C.

Breaker Panel: This unit incorporates a power distribution FGP breaker panel and four 16-amp breakers protecting four 16-amp 2P3W 220V receptacles. Operators can plug into the receptacles to power the lights in remote areas.

Wiring: The EPLC-AE.EX-2X24BS-AH2-2X400W-MH-4X16AB-240V-M1 is equipped with a 50M (164`) 3-core 4mm2 (12/3 AWG) SOOW line-in cord with a 32-amp 2P3W 220V explosion proof plug. This system also features two 25M (82`) 3-core 2.5mm2 (16/3 AWG) SOOW cables each with a 16-amp 2-pole, 3-wire 220V explosion proof plug between the metal halide lights and the receptacles on the

cart. A cord wrap is available for wire management.
Mounting: All system components are mounted to a powder coated wheelbarrow cart for mobility around work sites. Equipped with polyurethane wheels, the unit is capable of holding up to four Larson Electronics EPL-AE.EX-XX-24BS series portable flood lights.
Each metal halide explosion proof light is secure to a powder coated blue base stand fabricated from non sparking aluminum. The stands are adjustable from 1.5M (5`) to 2M (6.5`). The lamps can be easily adjusted up or down 90 degrees and locked into position by simply loosening a T-handle tension lock.
Suggested Applications: Paint spray booths, aircraft maintenance, oil drilling rigs, refineries, solvent and cleaning areas, gas processing plants, chemical manufacturing, waste water treatment plants, gas processing plants, offshore applications and more.
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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Product ID: 275799

Warranty: 60 Months

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **Video1**
- **Video2**
- **Video3**
- **Video4**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**