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EXPSG-HVLED-10W-M

10W Magnetic Mount Explosion Proof LED Light - 860 Lumens - 120-240 Volts AC - (2) 200 lb Magnets

Product ID: 144263

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.

EXPSG-HVLED-10W-M LED Magnetic Mount Light
UL Listing: United States
Lamp Type: Cree LED
Weight: 7 lbs
Total Watts: 10
Voltage: 9-46 Volts DC - 12/24 VDC Suitable
Amps: 1/4 on 12V DC
Lumens: 860
Mounting: (2) 200lb Magnets (1 per leg)
Wiring: Terminal Block with Side Entrance Cover
Operating Temp Range: 40°C ambient
LED Lamp Life: 50,000 Hours
LED Output Color: 6000K

NTRL Listings
Class I Division 1 & 2, Groups C and D
1571 Approved for Wet Locations
40°C Ambient Operating Temp

Special Orders - Special Requirements
Contact us for special requirements

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Made in the USA

The EXPSG-HVLED-10W-M Explosion Proof LED Light is UL Listed Class I Division 1 & 2, Groups C and D, and rated for use in wet environments. The waterproof construction, bright white output, and long lamp life of this LED fixture provides operators with high output and low maintenance operation, making this low voltage LED light an excellent upgrade from shorter lived incandescent glass lamps.

The EXPSG-HVLED-10W-M Explosion Proof LED Light is compact and powerful.

This unit is equipped with a 10 watt LED lamp assembly that runs cooler and lasts far longer than traditional incandescent lamps and produces high light output while operating on 9 to 46V DC low voltage current. This unit is UL 1571 approved for wet locations and ideal for use in small spaces within hazardous locations. The EXPSG-HVLED-10W-M is excellent for specific area lighting such as instruments, control panels, valve manifolds, walkways, etc.

The EXPSG-HVLED-10W-M is an excellent lighting solution for specific area lighting such as instruments, control panels, valve manifolds, walkways, etc. These sturdy lights are constructed of corrosion-resistant die cast aluminum alloy and are moisture-proof as well as explosion-proof (hazardous locations) so they are equally well suited for use in demanding installations indoors and out. Both spot and flood lamp configurations are available for particular applications.

The EPL-SMLED-20W LED light is equipped with a high output 10 watt LED emitter that produces 860 lumens of bright light while drawing only 10 watts @1/4 amp from a 12 volt electrical system. A single CREE XLamp MC-E® 10 watt LED producing 860 lumens is combined with high purity optics to produce a 40 degree medium or 60 degree floodlight beam 70`L x 65`W that is ideal for illuminating a wider area around the fixture. We also offer an optional 20 degree wide or 10 degree spread spot beam configuration that produces a light beam approximately 280` long by 60` in width.

Cree Specific: This lamp uses Cree LED units that have been chosen for their high lumen per watt ratio and extreme longevity. These Cree LEDs generate a robust 86 lumens per watt effective lumen output and have a 70% lumen retention at 50,000 hours, giving them better efficiency and operational life than traditional light sources.

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.

The LED lamp in this light offers greater output and longer life than halogen glass lamps, which improves work area visibility and reduces the need for maintenance and bulb replacements. This LED lamp has a 50,000 hour operational life, and produces as much light as a 50 watt halogen lamp while running far cooler and using only a fraction as much electrical power. This lamp is designed for low voltage operation and can be run from standard 12 or 24 VDC current without the need for additional transformers or hardware. This LED glass light is approved Class I Division 1 & 2, Groups C and D and UL 1571 approved for wet areas, making it well suited to industrial locations where water resistance and explosion proof protection is mandatory.

Click Photo to Enlarge

Mounting: The EXPSG-HVLED-10W-M is a magnetic mount light that features (1) 200 lb magnet per leg.
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.

Parts, Construction and Materials

1. Luminaire body: Corrosion resistant die cast aluminum, G-Al Si 10 Mg
2. Lens Holder: Unit of aluminum ring, glass
3. Brackets: Die cast Aluminum, (1) 200 lb magnet per leg
4. Weight: 7 lb. (3.2 Kg)
5. Gaskets: Silicone rubber o-rings

Electrical Connection Installation

1. Disconnect main power supply
2. Remove side entrance cover
3. Attach power leads to terminal block
4. Replace cover insuring gasket (o-ring) is in place. Tighten.
5. Connect power

Connections to be in accordance with National Electric Code® Requirements

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Frequently Asked Questions (FAQ)

EXPSG-HVLED-10W-M

Product ID: 144263

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

Options:

EXPSG-HVLED-10W-M-Beam Config

Example: EXPSG-HVLED-10W-M-Spot

Beam Config	
10° SPOT	-Spot
20° WIDE SPOT	-Wide.Spot
40° MEDIUM FLOOD	-Med.Flood
60° FLOOD	-Flood

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **STEP File (3D CAD Model)**
- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**