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EPL-20W-DBM

Rechargeable Explosion Proof Magnetic Tank Light - Adjustable Double Ball Mount - 20 Watt HID Light

Product ID: 72680

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.

EPL-20W-DBM Explosion Proof Magnetic Tank Light

Lamp Type: XENIDE HID Bulb
Dimensions: 11.5 "-L x 5"-W x 8"-H
Watts: 20
HID Life Expectancy: 2500 hours
Lumens: 1200
Lighting Configuration: Spot w/ Diffuser Flood Lens
Materials: Adjustable Ball Joint w/ 200lb Magnetic Base - Optional Hanging Hook
Weight: 3 lbs.
LUX: At 10 ft: 5,140
LUX: At the lens: 182,000
Charging Unit: 100/240VAC 50/60Hz w/overcharge protection, LED indicator
Lens Temp: 186 f
Head Temp: 90 f
Battery: 2600mAh Lithium Ion Battery
Run-Time: 90 Minutes

Approvals

Class 1, Division 1, Groups A, B, C, D
Class 1, Division 2, Groups A, B, C, D
Class II, Division 1, Groups E, F, G
Class II, Division 2, Groups E, F, G
IP68 Waterproof to 3 Meters
T4A Temperature Rating

Hazardous Location Classifications

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
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Buy American Compliant

The Larson Electronics EPL-20W-DBM Rechargeable Explosion Proof Magnetic Mount Tank Light has a Class 1 Division 1 Groups A-D approval and contains an enhanced waterproof battery pack for longer run time on a single charge and greater protection against moisture intrusion. This HID tank light produces a brilliant light beam and features a removable light head, making it ideal for inspection and work activities where power sources are not available.

This portable HID tank light features a 90 minute run time on a single charge of its waterproof 2600mAh Lithium Ion battery pack. A single 20 watt short arc Xenide HID bulb powered by an internal ballast produces a 1200 lumen beam is mounted to the adjustable double ball joint. A 5" OD magnetic base is attached to the base of the ball joint, providing 200 lbs of grip force. The light head is IP68 rated waterproof, making it capable of withstanding submersion under pressure without damage. The beam on this light is a 12° spot configuration for handheld use, while the removable diffuser lens provides a flood beam for hands free illumination when mounted. The HID bulb in this unit provides high power and efficiency as well as a 6500k color temperature, producing a powerful beam that is a brilliant white-blue in color. The durable aluminum body has a black anodized coating to provide durable protection for this units` internal electronics and an aesthetically pleasing appearance.

This light head has a single push button switch that allows easy one handed operation, which combined with its rugged construction and powerful beam, makes it a competent all around utility light capable of serving in industrial, commercial, tactical and private applications with equal effectiveness. This portable light tower includes a hard carrying case for the light head, waterproof battery and separate battery charging stand, AC charger (US/International compatible), rubber lens/end cap protector, removable diffuser lens, adjustable double ball mount, and 200lb magnetic mounting base.



Click Photo to Enlarge



Click Photo to Enlarge

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Adjustable Mounting: A magnetic base with a 200 lb grip temporarily secures this unit to various ferrous surfaces while a double ball joint mount allows 360° of rotation and 140° of tilt. To adjust this tank light simply loosen the thumb bolt located on the side of unit, position the light head as desired, then retighten the thumb screw. This mounting system will hold the unit securely in place, even under rough working or driving conditions, and provides an extreme level of placement versatility. Additionally, a optional hook mount with 5" OD plate attached to the magnetic base, allowing suspension mounting for operators that wish to hang this light from safety cable or chain. This hook can also be stuck directly into the tank`s wall, or if the tank has lining, operators can drill a hole and use the hook for mounting.

A brief note about High Intensity Discharge (HID) flashlights:

Incandescent flashlights have a bulb with a filament, much like the common household light bulb. A consistent amount of current is fed to the bulb. The filament glows and light and heat are produced. The filament glows because it is a

poor conductor of electricity. Eventually the filament breaks due to vibration or diminished capacity. HID flashlights have a globe of gas that contains bounded by electrodes. A spark jumps across the electrodes igniting the gas. Initially, the amount of current required to ignite the gas is higher. Once the gas is lit, much less current is required to keep the gas burning.
A device called a ballast controls the amount of current sent to the bulb. HID flashlights use about 50% less energy than incandescent bulbs, which means longer battery life than halogen incandescent bulbs. More importantly, HID lights have no filament to break. Thus, the HID bulb life is around 2500 hours, compared to several hundred hours of the filament based incandescent bulb. The HID bulb is more efficient, so it produces much more light with less energy over a long period of time. The trade off, however, is that the ballast that sends current to the bulb is an expensive addition, increasing the cost of the flashlight. The bulb itself is also significantly more expensive than halogen bulbs.)

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Frequently Asked Questions (FAQ)









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EPL-20W-DBM

Product ID: 72680

Export Control Classification Number (ECCN): EAR99

Options:

EPL-20W-DBM-Beam Config

Example: EPL-20W-DBM-SP

Beam Config	
SPOT	-SP
FLOOD	-FL

Links (Click on the below items to view):

- **MSDS (Material Safety Data Sheet**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**