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EPL-16BS-1X150LED-2MB-JB2-300

150W Explosion Proof LED Light - Base Stand w/ Magnetic Feet - 22" Light - C1D1 - Jbox 300' Cord

Product ID: 333527

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: EPL-16BS-1X150LED-2MB-JB2-300

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-16BS-1X150LED-2MB-JB2-300 Explosion Proof LED Light

Listing: United States & Canada
Lamp Type: Cree LED
Dimensions: 14" x 22" Light head
Weight: 30 Lbs.
Voltage: Universal Voltage 120-277V AC 50/60Hz
Total Watts: 150 watts
Total Lumens: 21,000
Luminous Efficacy: 140 Lm/W
LED Lamp Life Expectancy: 60,000 Hours
Color Temp: 5600K, 5000K, 4500K, 4000K, 3500K, 3000K, 2700K, or 6500K
Color Rendering Index: >75 CRI
Beam Lux: 8500@ 1 Meter 1250@ 3 Meters
Beam Angle: 60°, 125°, or 140°
Lighting Configuration: Flood Pattern
Ambient Operating Temp Range:-40°C to 65°C
Operating Temp Range: T5 Rated
Mounting: Aluminum Base Stand w/ 2 Magnetic Feet
Wiring: 300` SOOW Cord Explosion Proof Straight Blade Plug
Cord Cap: 5-15 Straight Blade Plug, 5-20 Straight Blade Plug,

Ratings/Approvals

Class I Division 1, Groups C and D
Class I Division 2, Group C,D
Class II, Divisions 1 & 2, Groups E,F,G
Class III, Divisions 1 & 2
T5 Temperature Rating
Certified to UL844 and C22.2 Standards
Paint Spray Booth Approved
LEL Approved
IP67 Rated Waterproof
Multiple Driver Banks
80% Lumen Retention after 60,000 Hours
Made in the USA

Special Orders - Special Requirements

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

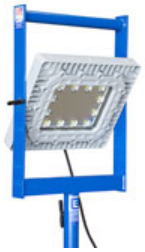
6-20 Straight Blade Plug

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Made in Texas

The EPL-16BS-1X150LED-2MB-JB2-300 Explosion Proof LED Light from Larson Electronics is rated Class I Division 1-2 Groups C & D and Class II Division 1-2 and uses a 22 inch Cree LED light head to produce 21,000 lumens of light while drawing only 150 watts. This unit comes equipped with two magnetic feet to help secure the light fixture in position during deployment.

The EPL-16BS-1X150LED-2MB-JB2-300 explosion proof LED light provides 10,000 square feet of work area coverage with 21,000 lumens of light output. This portable LED light is mounted to a four leg aluminum base and has an LED light head measuring 22 inches wide by 14 inches tall. The LED light head on this unit produces a brilliant flood pattern of light that is ideal for illuminating enclosed areas and hazardous locations where flammable vapors, gases and dusts may be present. Often referred to as simply a “tank light,” this unit is considered universal due to its ability to be passed through any conventional manhole such as those found in petrochemical containers and ship storage tanks.



Click Photo to Enlarge



Click Photo to Enlarge

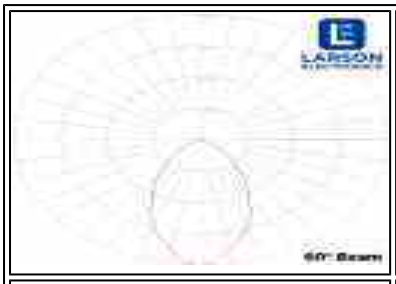
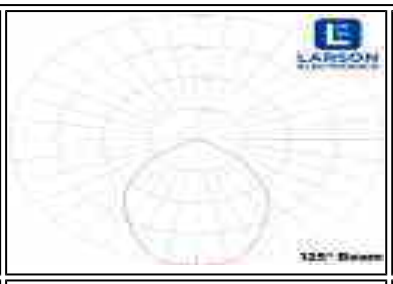
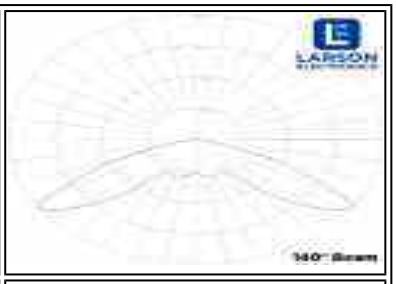


Click Photo to Enlarge

This explosion proof LED light fixture is comprised of a 22 inch LED light head mounted atop a base stand fabricated from non sparking aluminum. The lamp can be easily adjusted up or down 90 degrees and locked into position by simply loosening the two hand screws located on either side of the light head and re-tightening them once the desired angle is found. Four adjustable feet allow operators to level the light fixture in the field, and the two magnet feet provide a strong magnetic pull to stabilize the light fixture during deployment, reducing movement of the light from vibrations or accidental bumps. Included with this LED light is 300 feet of SOOW cord terminating in an 1523 explosion proof straight blade plug.

The explosion proof LED light head in this unit features multiple LED drivers which helps to increase the operational life of the fixture. With traditional LED lights, in the event an LED array or driver fails, the entire fixture no longer illuminates. This new series of LED lamps contains twelve individual LED boards configured in a series of banks. Each bank contains two LED boards with an individual driver. In the event of a driver failure, only one bank of LEDs will be effected while the other banks will continue to operate. In the event that of an LED failure, the mating LED will continue to operate.

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60° Beam Angle	125° Beam Angle Plug	140° Beam Angle Plug

Beam Angles: When used as a portable lighting solution, the varying beam angles are each individually ideal for several environments. The 60° beam provides the most intense beam of the three options. It is perfect for narrow, confined spaces and is ideally suited for tank cleaning purposes. It offers focused light to provide ample illumination to tight work spaces and other environments. The 125° beam offers a more diffused source of light that is also less intense in brightness. It is a great general area work light and performs well when used for outdoor illumination. The 140° beam offers a very wide lighting pattern and is ideal for situations where lighting distance is not a concern, but illumination of a wider area and even light distribution is. The 140° beam is great for situations that call for working in close proximity to lights such as in a paint booth.

Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. 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 applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional 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 lighting.

Safety within the workplace is another benefit of LED work lights and temporary lighting. All light sources produce heat. With traditional work lamps, such as incandescent and halogen light sources, the lamp reaches high surface temperatures. These surface temperatures introduce a burn risk to anyone to anyone that allows prolonged skin contact with the light source, as well as a fire hazard if a flammable material is accidentally set too close to the light source for an extended period of time. While LED fixtures do still produce heat, they are designed with heat sinks to properly disperse the heat. Each LED bulb is engineered to disperse and expel this heat quickly and efficiently, keeping the lamp cooler than traditional light sources. This explosion proof LED work light operates at a lower surface temperature than a comparable model with traditional light source, and thus does not present a significant burn risk if an operator or bystander accidentally brushed up against an exposed lamp, and reduce the fire hazard should they fixture accidentally come in contact with a flammable material for a short period of time. This significantly increases the safety within the work environment.

Click Photos to Enlarge



5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

This explosion proof flood light is equipped with 300-foot of 16/3 chemical and abrasion resistant SOOW cord, attached to the fixture via a servable wiring hub, that is fitted with an explosion proof cord cap for easy connection to common wall outlets. Plug options include 5-15P 15 amp straight blade plug for 110-125V explosion proof outlets, explosion proof 5-20P 20 amp straight blade plug for 110-125V explosion proof outlets, or explosion proof 6-20P 20 amp straight blade plug for 220-250V explosion proof outlets.

This tank light is universal voltage and is configured to operate on 120-277 volts 50/60 Hz. Further adding to the versatility and convenience of this explosion proof LED light are 25 peel off mylar overspray lamp protectors that ship with the unit. The protectors provide lamp protection from dirt or debris and can be removed, cleaned and replaced, lessening the need for tedious lamp cleaning or replacements. This lamp is T5 temperature rated and the LED light head retains 80% of its lumen output after 60,000 hours of use, far longer than incandescent or fluorescent lamps.

Made in USA Quality

1. Approved Class I Div1-2 Class II Div I-2
2. Led lamp head requires no lamping.
3. Durable Base Mount constructed of copper free aluminum.
4. No ballast box. No ballast to replace.
5. Extreme long life LEDs reduce maintenance and replacement costs.
6. Adjustable LED light head.
7. 25 peel off mylar overspray lamp protectors ship with the unit.
8. 21,000 Lumens produced from only 150 watts.
9. Mercury free shock proof LED lamp light head.

Superior LED Benefits

1. 50,000+ hour lifespan.
2. Can SAVE 50% or more on energy.
3. 100% recyclable.
4. No toxins-lead, mercury.
5. No UV light, infrared radiation or CO2 emissions.
6. Bright, even light maintains consistent color over time.
7. Instant on/off – No flickering, delays or buzzing.
8. Very good color rendering.
9. Vibration/impact resistant.
10. Significantly cooler operation.
11. Less frequent outages, higher output improves workplace safety.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Product ID: 333527

Export Control Classification Number (ECCN): EAR99

Options:

EPL-16BS-1X150LED-2MB-JB2-300-Voltage-Beam Angle-Color Temp
Example: EPL-16BS-1X150LED-2MB-JB2-300-1227-60B-56K

Voltage	
120-277V	-1227
11-25V AC/DC	-1224

Beam Angle	
60°	-60B
125°	-125B
140°	-140B

Color Temp	
5600K	-56K
5000K	-50K
4500K	-45K
4000K	-40K
3500K	-35K
3000K	-30K
2700K	-27K
6500K	-65K

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/333527.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/333527.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/333527.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/333527.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/333527.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/333527.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/333527.JPG)
- **Video1**(https://www.youtube.com/watch?v=DpHFwouS5kY)
- **Video2**(https://www.youtube.com/watch?v=ZEWSEBXdzYE)
- **Video3**(https://www.youtube.com/watch?v=WLyr5AkhkqY)
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