

150W Explosion Proof LED Flood Light - Surface Mount Remote Battery Backup - 17500 Lumens Instruction Manual

This explosion proof light is designed for illumination of industrial locations. It uses the latest in solid state lighting technology for long life, low maintenance and high efficiency.

The unique design focuses the light where it is needed, giving improved efficiency over a conventional HID luminaire.

An internal, universal input, power-factor-corrected switch-mode supply allows it to be used from any nominal 100-277V AC 50/60 Hz power supply without any variation in light output.

WARNING

To avoid the risk of fire, explosion or electric shock, this product should be installed, inspected and maintained by a qualified electrician only, in accordance with all applicable electrical codes.

To avoid electric shock:

- Be certain electrical power is OFF before and during installation and maintenance.
- Luminaire must be connected to a wiring system with an equipment-grounding conductor.

To avoid explosion:

- Make sure the supply voltage is within the luminaires' voltage rating.
- Ensure the marked T rating is less than the ignition temperature of the Hazardous Atmosphere.
- Do not operate in ambient temperatures above those indicated on the luminaire nameplate.
- Do not operate if the lens is cracked or damaged. All fasteners should be properly seated.

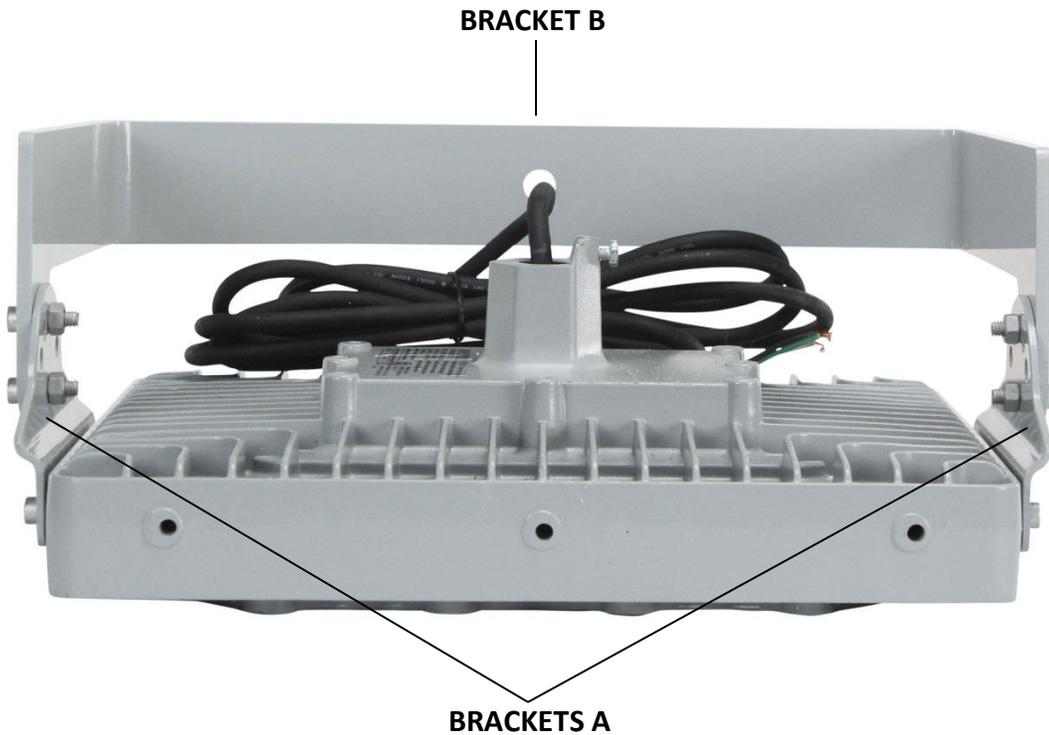
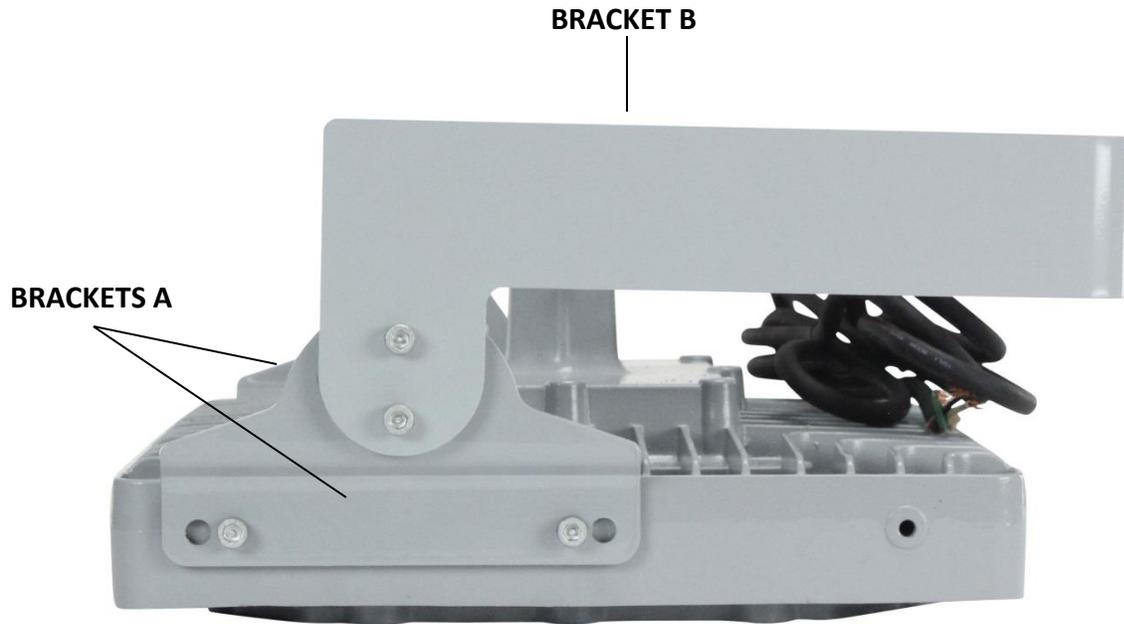
For supply connections, use wire rated for at least 110°C
Recommended mounting height is 25-40 feet.

MOUNTING

This fixture offers an adjustable surface mounting system that allows this fixture to be mounted to any flat surface including walls and ceilings. A single ½-13 bolt is used to mount the fixture to the surface.

1. Using bolts, washers and nuts provided, attach brackets "A" to both sides of bracket "B".
2. The LED fixture has 9 holes for a versatile mount option. Select the holes that you would like to use.
3. Brackets "A" will then be bolted to the LED fixture with the remaining bolts and washers.
4. The fixture is now ready for installation.

See Images Below as a Reference



WIRING (see attached wiring diagram)

This unit comes preconfigured with the selected cord cap, and beam configuration. Run cord to a nearby power source and plug light into the correct voltage listed on the product nameplate.

WARNING: The emergency battery backup enclosure and plug are NOT rated for Hazardous Areas. The Emergency Battery Backup enclosure **AND** Cord Cap **MUST** remain **OUTSIDE** the **Hazardous Area during use!**

Keep emergency battery backup ballast box closed at all times during operation.

Follow all applicable local, state, and National Electrical Code for the hazardous area!

For pigtail connections, see below diagram.



WARNING: CHECK NAMEPLATE FOR PROPER VOLTAGE. DAMAGE FROM IMPROPER VOLTAGE WILL VOID WARRANTY.

MAINTENANCE

Caution: To avoid personal injury, disconnect power to the light and allow the unit to cool down before performing maintenance.

Warning: No user serviceable parts inside of fixture. Risk of electric shock. Removal of the lens will void the warranty.

1. Perform visual, mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on a yearly basis. Frequency of use and environment should determine this. It is recommended to follow an Electrical Preventive Maintenance Program as described in NFPA 70B: Recommended practice for Electrical Equipment.
2. The lens should be cleaned periodically as needed to ensure continued photometric performance. Clean the lens with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap or a liquid cleaner.
3. Inspect the cooking fins on the luminaire to ensure that they are free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.
4. Do not operate if the lens is cracked or damaged. All fasteners should be properly seated.

This explosion proof LED light fixture is field serviceable. All major internal components can be purchased from Larson Electronics and installed by a licensed electrician with basic tools. Contact the manufacturer for replacement parts.

Should further information not covered by these instructions be required, please contact Larson Electronics at 1-800-369-6671 or sales@larsonelectronics.com for further assistance.

Please visit LarsonElectronics.com for **Warranty** and **Return** information.