Class 2 Division 1 Explosion Proof 300 Watt High Bay LED Light Fixture - 35,000 Lumens - C1D2 / C2D1 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.

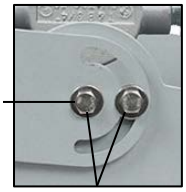
To avoid electric shock:

- 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

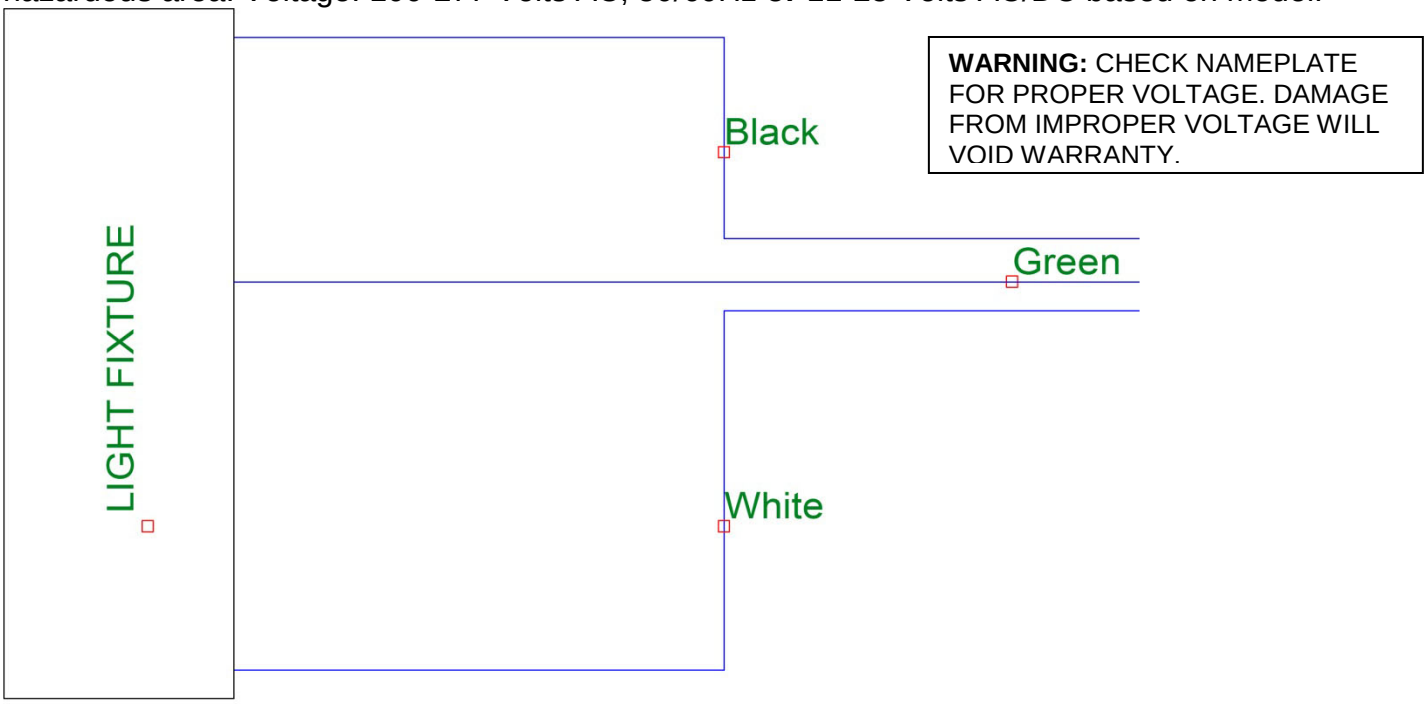
This fixture offers an adjustable mounting system that allows it to be mounted to any flat surface including walls and ceilings. Three heavy duty bolts are used to mount the fixture to the surface through predrilled holes on mount. Hole diameter is .563". Fixture is heavy - two people and capable equipment are required for hanging fixture.

Fixture angle can be adjusted by loosening the set screws on either side of mount. Swap outer bolts to move mount in opposite direction. Keep center bolt in place! Otherwise fixture will free from mount.

Use appropriate wiring methods for the area following all NEC, local, and state electrical codes. Conduit attaches to the junction box on the back for wiring.

WIRING (see attached wiring diagram)

This unit comes preconfigured in selected Voltage and Beam Spread. Wire light via junction box on the back to the correct voltage. Follow applicable local and/or National Electrical Code for the hazardous area. Voltage: 100-277 Volts AC, 50/60Hz **or** 11-25 Volts AC/DC based on model.



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.

WARRANTY

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.