Dimmable C1D1 Explosion Proof 150 Watt High Bay LED Light Fixture 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 100-277 Volts AC, 50/60Hz **OR** 11-25V AC/DC power supply without any variation in light output depending on model purchased.

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

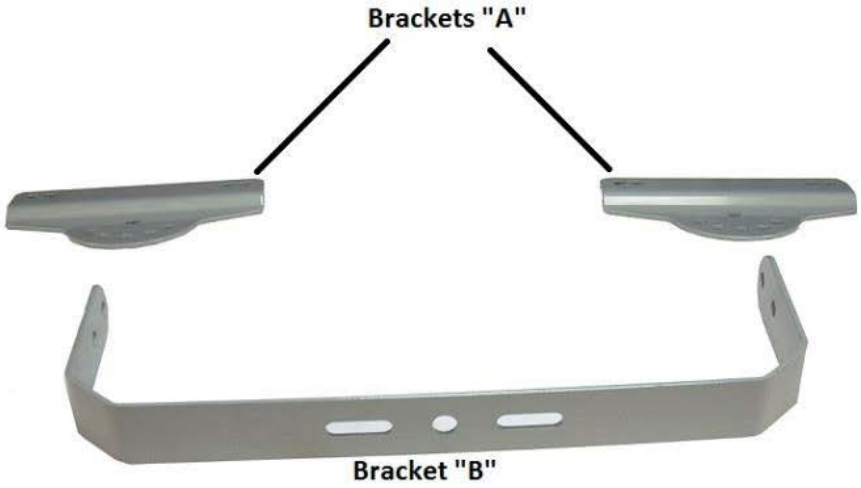
This fixture offers an adjustable mounting system that allows this fixture to be mounted to any flat surface including walls and ceilings. A single ½-13 bolt is used to mount the fixture to the surface.

Check to ensure that all mounting hardware is included.

- 2 Small Brackets
- 1 Large Trunnion Bracket
- 8 Bolts
- 8 Lock-Washers
- 4 Nuts

1. Using four bolts, washers and the four 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 in selected voltage and beam configuration. Wire light to the correct voltage. Follow all applicable local, state, and National Electrical Code for the hazardous area.

Voltage: *Check product label for correct voltage.*

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

WIRE(AC)	WIRE(DC)	COLORED CABLE
AC LIVE	DC LIVE	BLACK
AC NEUTRAL	DC NEUTRAL	WHITE
GROUND	GROUND	GREEN
DIMMING +	DIMMING +	RED
DIMMING -	DIMMING -	ORANGE

Use only 0-10V Dimmer appropriate for the location installed.
WARNING: Mis-wiring Low Voltage Dimming Control could cause permanent damage to light.
DO NOT connect dimming control to line voltage.
DO NOT connect dimmer with power applied.





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.