100W Explosion Proof High Bay LED Dock Light
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.

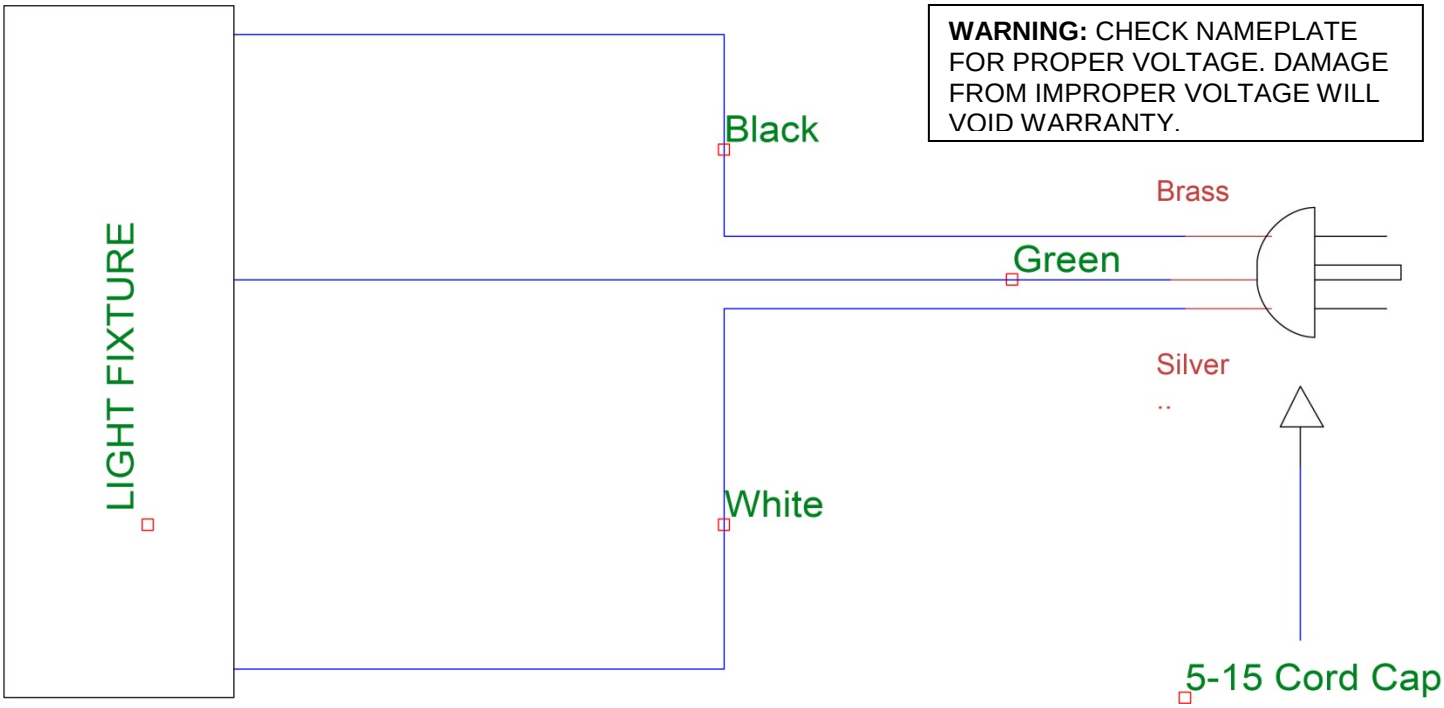
For supply connections, use wire rated for at least 110°C
Recommended mounting height is 25-40 feet.

MOUNTING/ADJUSTMENT

The high output LED light head is mounted to an adjustable two-part swing arm that measures four feet long and is constructed of lightweight aluminum. The two piece arm design provides two pivot points, one at the mounting bracket and one in the center of the swing arm. The aluminum swing arm swings 170° from the mounting bracket point and 340° from the center pivot point, while the light head is vertically adjustable up to 270°, providing full adjustability for this 100 Watt explosion proof LED fixture and allows users to position the light as needed during operations. This switch blade swing arm can be mounted with the light head oriented on the top side or bottom side of the arm, allowing operators to illuminate objects in any location. This swing arm is ideal also for mounting the unit to loading door areas and docks for use as a loading bay or dock light. Utilize the predrilled mounting holes and capable screws/bolts for mounting to a sturdy surface. Ensure cord does not get pinched while adjusting swing arm.

WIRING (see attached wiring diagram)

This unit comes preconfigured with selected cord cap, voltage, beam, and color. Once mounted, plug cord into compatible receptacle with correct voltage. **Voltage: 100-277 Volts AC, 50/60Hz**



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.