# 4ft, 2 Lamp Explosion Proof Dolly Cart LED Light Fixture
# Instruction Manual

**WARNING:** Do not attempt installation until you are familiar with all warnings, precautions, and procedures outlined within this instruction sheet.

## INSTALLATION PRECAUTIONS

- Do not operate in any classified location where the marked operating temperature exceeds the ignition temperature of the hazardous atmospheres.
- Consult fixture nameplate for the suitability ambient temperature shown on the nameplate.
- Verify that the supply voltage agrees with fixture rating as indicated on nameplate.
- All local and national electrical/building codes must be followed when installing or maintaining this lighting fixture. For code interpretation, consult your local authority.
- Product must be used only with glass tubes intact and all cap threads fully engaged. Do not use if glass tubes are cracked or damaged.

**Caution:** Only use lamp size, type and /or wattage as shown on fixture nameplate.



UPRIGHT



HORIZONTAL

## OPERATION

This unit comes preconfigured from factory with selected voltage, cord cap, and color temp.

- Remove the protective lens film over polycarbonate lens prior to first use.
- Lift and roll the cart like a traditional dolly. The cart can be positioned upright or horizontal (parallel to the ground). An additional arm can be folded out to help maneuver cart in its horizontal position. This arm can be useful for positioning cart under large machinery including tall vehicles and aircrafts in order to better help illuminate maintenance areas.

When laying cart horizontal, position cart in a flat area near the worksite as this minimizes risk of cart rolling unexpectedly.

- Once cart in the desired area, run power cord to compatible outlet outputting voltage listed on fixture nameplate. For models with switch, turn the switch on to illuminate the lamp. Otherwise, this dolly cart light is “instant-on” and will illuminate once connected to a live power source.

Take necessary caution when running cable as to not cause trip hazards or the potential to get damaged or snagged by high foot or machinery traffic.



**WARNING:** Fixture must be grounded as required per paragraph 410-21 and article 250 of the National Electric Code and/or rule 30-500. Failure to properly ground this fixture will create an electrical shock, which can cause serious injury or death.

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.

**Suggested Applications:** Paint Spray Booths, Aircraft Maintenance, Oil Drilling Rigs, Refineries, Solvent and Cleaning Areas, Gas Processing Plants, Chemical Manufacturing, Waste Treatment Plants, Gas Processing Plants.

**SPECIFICATIONS**

| | | | | |
|---|---|---|---|---|
| Lamp Type: T8 Style LED Tubes | Ambient Temp Range: -40°C to +85°C | Class 1 Division 1, Groups C and D | | UL 595 Outdoor Marine Type (Saltwater) |
| Total Watts: 56 watts | Minimum Operating Temp: -30°C | Class 1 Division 2, Group A,B,C,D | | UL 844 Listed for Paint Spray Booths |
| Beam Angle: 150° | Maximum Case Temp: +90°C | Class II, Division 1 & 2, Groups E,F,G | UL 1598 Marine Type | 50,000+ Hour LED Life Span |

## INSTRUCTIONS FOR RELAMP

### ⚠WARNING

- To avoid risk of fire, explosion or electric shock, this product should be maintained by a qualified electrician only, in accordance with all applicable codes and regulations.
- To avoid electric shock: Be certain electrical power is OFF before and during maintenance.

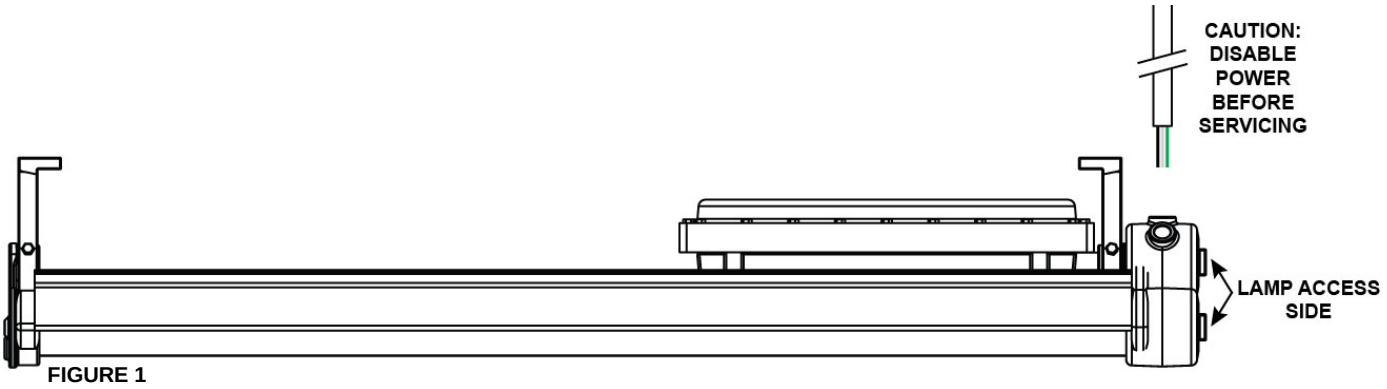



FIGURE 1

**Caution:** Only use lamp size, type and/or wattage as shown on fixture nameplate.

**1.** Disconnect power to the fixture prior to servicing. **FIGURE 1**

**2.** With a wrench, remove end-cap (lamp access cover) for the lamp you wish to replace. Rotate counter-clockwise. **FIGURE 2**



FIGURE 2

**3.** Loosen the two lamp holder bracket screws holding the old lamp. **FIGURE 3** Twist and remove the lamp holder bracket. **FIGURE 4**

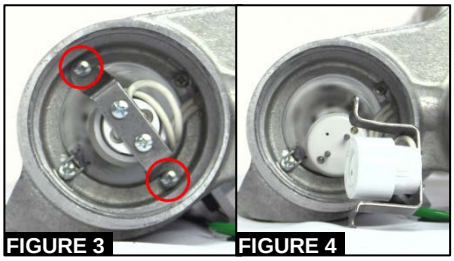
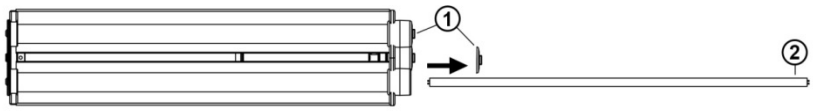


FIGURE 3 FIGURE 4

**4.** Remove the old lamp and install the new lamp, seating lamp in opposite lamp holder. **FIGURE 5**



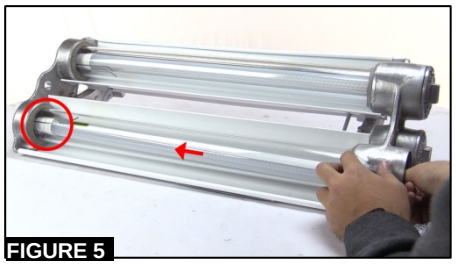



FIGURE 5

**5.** Replace lamp holder into position on the lamp. Twist slightly to place the lamp holder bracket under screw heads and tighten the screws. **FIGURE 3**

**6.** Reattach end-cap. Rotate clockwise. **FIGURE 6**



FIGURE 6