SLX LED (V3)

Installation Instructions

! CAUTION

- All wiring should be done by a licensed electrician in accordance with state codes, local codes and National Electric Code (NEC) standards.
- Improper installation may result in serious injury and void warranty.
- Contains parts and assemblies susceptible to damage by electrostatic discharge (ESD).
- These instructions include information for installations in both hazardous locations and marine locations. Many sections apply to both applications. The appropriate warning and special instructions should be followed, depending on the application. Only fixtures marked "electric fixtures for hazardous locations" are suitable for installation in hazardous locations.

General Information

Phoenix's explosion-proof fixtures meet the requirements of UL Standard 1598, 1598A, 844 and CSA Standard C22.2, No.250, 94.0, 213.0, 137.0, 30.0 regarding electric luminaires for use in Class I, Div. 1, Groups C&D; Class I, Div. 2, Groups A, B, C, D; Class II, Div. 1, Groups F & G; Class II, Div. 2, Groups F & G; and Class III, Div. 1 & 2. For marine applications, installation must be in accordance with USCG 46 CFR parts 110 through 113.

Mounting and Wiring

This fixture is designed for wall or ceiling mounting. It mounts to a flat surface with a single 0.50 inch (1.3 cm) bolt (not supplied). The fixture has 72 inches (183.0 cm) of #16 gauge wire for connecting at the wall mounted switch or junction box through ½" size flexible coupling or threaded, rigid conduit. The wire entrance to the light head is factory sealed and threaded to accept a 0.50 inch threaded conduit or union. Wiring must comply with Class I Division 1 and Class II Division 1 wiring methods defined in National Electric Code (NEC). Figure 1 shows suggested mounting configurations and wiring methods. Table 1 identifies the Class I and Class II components used in these suggested installations. Flexible coupling, junction box and any other part required to complete wiring are not furnished with the fixture. These items must be ordered separately through a local distributor.

Table 1

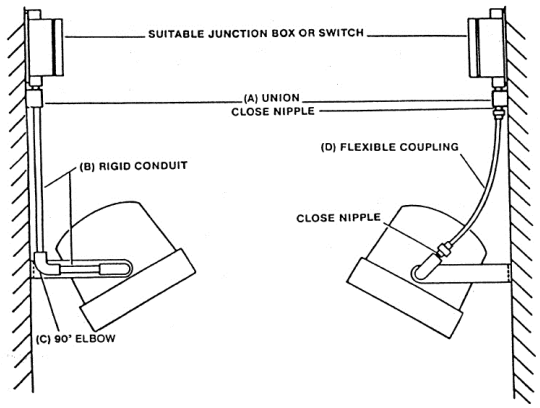
Item in Figure 1	Acceptable Components – UL Listed for Wiring Fixtures in Class I, Division 1, Groups C and D and Class II, Division 1, Groups F and G Installations
A	0.50 inch size male union
B	0.50 inch size rigid conduit
C	0.50 inch size 90º female elbow
D	0.50 inch size diameter flexible coupling, 36.0 inch (91.4 cm) long with two (2) removable close nipples

Fixture Installation

1. Mount fixture assembly to wall (or ceiling). One 0.50 inch (1.3 cm) bolt is required for mounting (not supplied).
2. Locate power supply junction box or switch close enough to fixture so that wire splices between the junction box and fixture are not required (see Figure 1).
3. If flexible coupling is being used to connect to the fixture, make certain that all bends in the coupling have a radius of at least 10 inches (25.4 cm).

Note: All threaded connections must engage five (5) full threads.

Figure 1



Aiming

The fixture should be aimed prior to wiring to the source of power. After the fixture is connected, positioning freedom will be limited by any rigid conduit used in the electrical hookup. Fixture elevation angle may be adjusted 61º. It is limited by the position to the pin and the ears on the sealed elbow assembly (Item 6 on page 3). The elevation angle may be further adjusted if necessary by changing the position of the pin in the following manner:

Refer to Figures 2A and 2B:
1. Remove pin from hole "A" in boss of the shell (Figure 2A).
2. Rotate shell 90º with respect to sealed elbow assembly as shown on Figure 2B.
3. Drive pin in hole "B" in the boss of the shell (Figure 2B).

Removal and Replacement of Lens Cover Assembly and O-Ring

In most cases, a rectangular steel bar about 0.75 inch (1.9 cm) × 0.50 inch (1.3 cm) × approximately 30 inches (76.0 cm) can be placed between the lugs provided on the face of the cover and rotated counterclockwise to accomplish the removal. See figure below. Excessive force must not be used as bar may slip and cause injury.

Before replacing the lens cover assembly, thoroughly clean the threads in both the cover and shell, then lubricate threads with thin film of a non-drying grease or petrolatum. This will enable the cover to be turned more easily and will facilitate its removal later. If needed, replace with a new O-ring prior to installing the lens cover assembly.

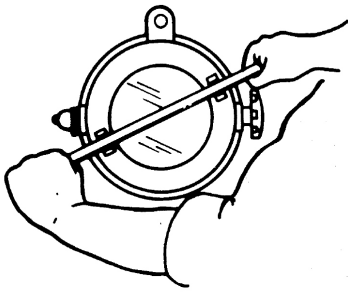


Figure 2A

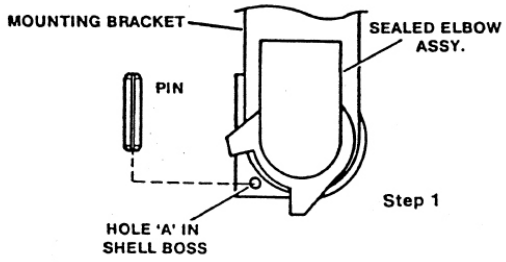
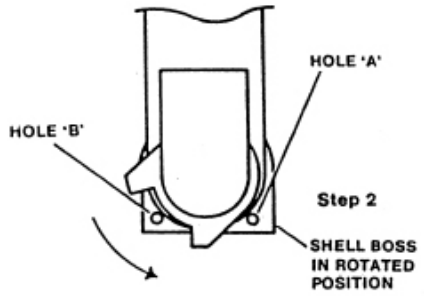
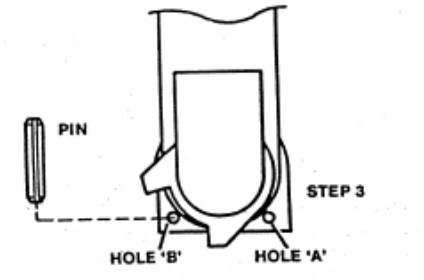
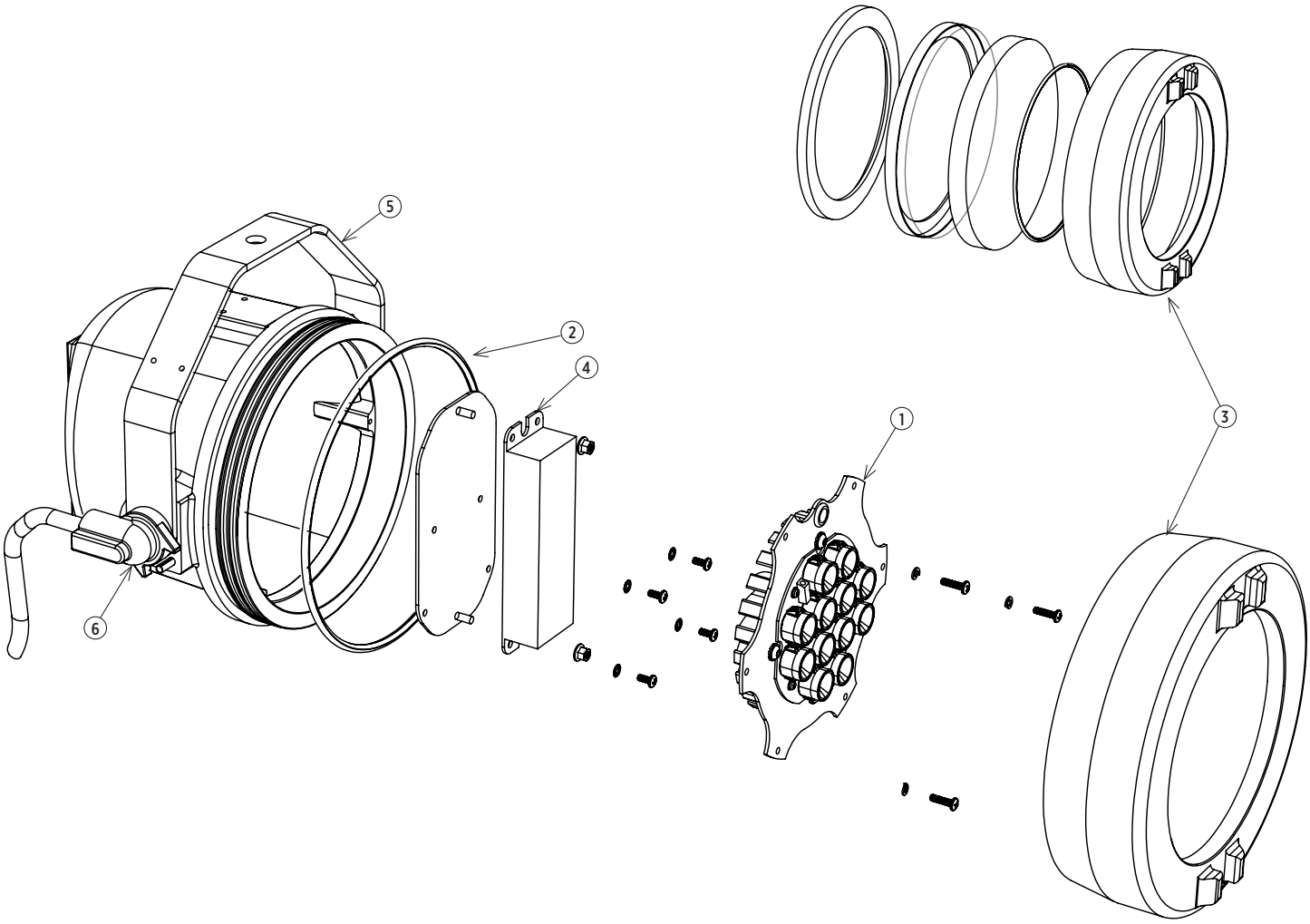


Figure 2B





Repair Parts



Repair Parts List

Item No.	Repair Part	Part Number
1	FL Optic/ LED Kit	1804110
	SP Optic/ LED Kit	1804111
	WS Optic/ LED Kit	1804112
	VS Optic/ LED Kit	1804113
	OV Optic/ LED Kit	1804114
2	o-ring gasket kit	1804118
3	lens cover assembly	1863206
4	V3 driver kit	1804115
5	SLX harp kit	1804121
6	SLX elbow assembly kit	1804122