

INSTALLATION INSTRUCTIONS – 6SCA LCD SLOPED-CEILING LOW VOLTAGE REMOTE DRIVE RECESSED LED LIGHTING FIXTURES:

READ AND FOLLOW THESE INSTRUCTIONS BEFORE INSTALLING FIXTURE:

This fixture is intended for installation in accordance with the National Electrical Code and local regulations. To assure full compliance with local codes and regulations, check with your local electrical inspector before installation.

CAUTION: To avoid possible electric shock, be sure that remote DC panel is turned off before installing or servicing this product.

These fixtures are **not** designed for direct contact with insulation. Keep insulation at least 3 inches away from any fixture surface which will entrap heat. Maximum ambient temperature of fixture is 45°C (113°F). Use in higher temperatures will damage unit and void warranty.

Use only with Class 2 power unit. Not for direct connection to AC.

Notice: Thermally protected fixture. Blinking light may indicate that insulation is too close to fixture. Suitable for use in damp locations.

Note: This fixture should be supported by main runners, or other structure that is capable of supporting the fixture weight.

Installation:

For Proper Adjustability of lamp, the fixture MUST be positioned only as shown in Figure 2.

1. Unpack hanger brackets and mounting hardware. Insert #10 square shoulder carriage bolt through square cutout in mounting bracket and align mounting bracket tab and carriage bolt with slot in housing. Secure into position with #10 wing nut from inside of housing. (See Figure 1).
2. Insert hanger bars (supplied), into the fixture's hanger brackets using the proper provided cutout in the hanger brackets. When using the C Channel bars, squeezing the hanger brackets may be required to slide the C Channel into position in the hanger brackets.
3. Loosen the bracket wing nuts from the inside of the fixture, and adjust the *hanger bar end brackets*, so that the lower lip of the fixture flange will be **flush, or 1/8" (max)** above the bottom of the ceiling surface. (See Figure 2).

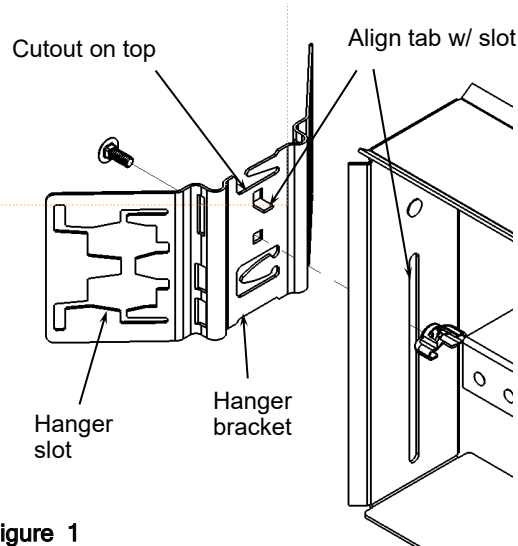


Figure 1

Wiring:

1. Pull low voltage power feed wires from remote LED driver to wall box to make wiring connections. Leave at least 6" of slack. Fixtures require a "home run" connection to the remote driver, and are not to be wired in parallel (Daisy-chained). The rated voltage and current on the remote driver must agree with fixture ratings on the product label. Refer to "Typical Wiring / Driver Considerations" (page 2) for more detailed information.
2. Make connections according to "Low Voltage DC Input Wiring", below.

COMPLETION:

Energize remote driver panel. Fixture will illuminate immediately.

IMPORTANT NOTE:

If unit fails to function as described, disconnect remote driver panel immediately, and contact either the factory, or trained service personnel, for further assistance.

Low voltage DC input wiring:

Use supplied wire splicing connector or orange inline connector to terminate red and black or blue wires from product to incoming wires from the centralized remote class 2 constant current driver. Leave enough slack so connections can be dropped a minimum of 6" through fixture opening.

IMPORTANT NOTE:

White or red wire is always the positive polarity connection.

Negative is blue or black.



Inline connector



Wago splicing connector

Wiring/Driver Considerations

Remote LED Driver:

Note that the remote LED driver must be a Class 2 UL/ETL listed constant current driver designed for LED drive. The current and voltage ratings for the driver must be in accordance with the corresponding ratings specified on the fixture label. For additional details refer to the user manual for the remote LED driver being used. Due to the wide variety of potential remote LED drivers, the requirements stated in the separate user manual for the remote driver take precedence over those stated in these instructions.

ONLY CONSTANT CURRENT DRIVERS CAN BE USED—CONSTANT VOLTAGE DC POWER SUPPLIES CANNOT BE USED AND WILL CAUSE DAMAGE THE LIGHT FIXTURE.

Wiring Between Remote LED Constant Current Driver and LED Fixture:

Maximum wire run distance between the remote constant current driver and the fixture is typically 200 ft. The maximum run distance provided in the detailed instructions included with the particular driver used in the installation takes precedence over the 200 ft limit.

For the Low Voltage Cable type use 2 conductor 18 AWG shielded twisted pair. (Belden 8760 or Belden 87760 (plenum rated) or equivalent). Use plenum rated cable where installation requirements necessitate its use.

Pathway remote Driver Wiring. For Reference Only!

(Wiring Between Dimming Controller and Remote LED Constant Current Driver)

- 1) Analog 0-10V dimming control (if applicable) — use 2 conductor 18 AWG for runs up to 500 ft. In a noisy electrical environment or for distances greater than 500 ft. use 2 conductor 18 AWG shielded twisted pair. Belden 8760 or Belden 87760 (plenum rated) or equivalent.
- 2) DMX Dimming Control (if applicable) — Use DMX cable meeting EIA485 requirements. Cable should be twisted pair and shielded. Twisted pair CAT 5/5E/6 cable may be used as an alternative. Typical maximum cable length between the DMX controller and the remote driver is 1000 ft. For DMX cable runs longer than 1000 ft., the use of a DMX signal amplifier/repeater may be required. Refer to the remote driver detailed installation instructions for additional information on DMX control and addressing and additional wiring details. These detailed instructions take precedence over the general guidelines specified herein.

For other manufacturers remote drive power units refer to manufacturers specific wiring instructions.

Lamp Adjustment:

To adjust lamp position, loosen the two adjustment knobs and slide assembly to the desired angle or until the bottom of the primary optic reflector is parallel with the floor. Maximum tilt angle is 45°. (See Figure 2)

Energize fixture, and adjust lamp and yoke assemblies to final tilt positions. Tighten the two adjustment knobs to lock lamp position.

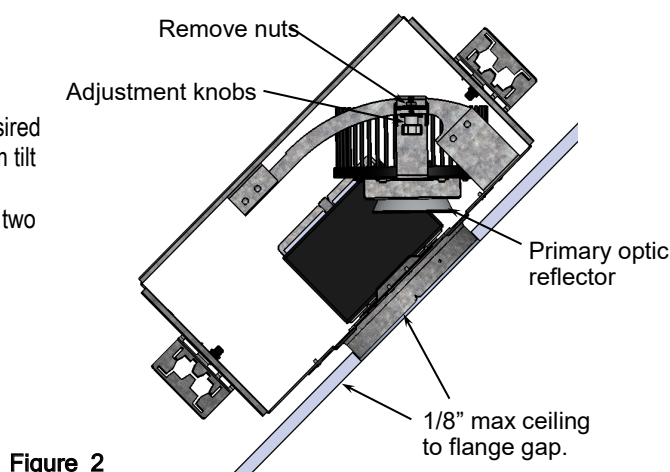


Figure 2

Install Trim Assembly:

1. To install *lower trim assembly*, align shallow cut of reflector towards ceiling peak. Squeeze the 2 ends of each torsion spring together and engage the two torsion springs into the slots on both sides of the frame opening in the housing. Slide trim up and fully seat against ceiling surface. (Figure 3)
2. Clean reflector surface with a soft towel and glass cleaner, if necessary, to prevent scratching of the polished aluminum surface.

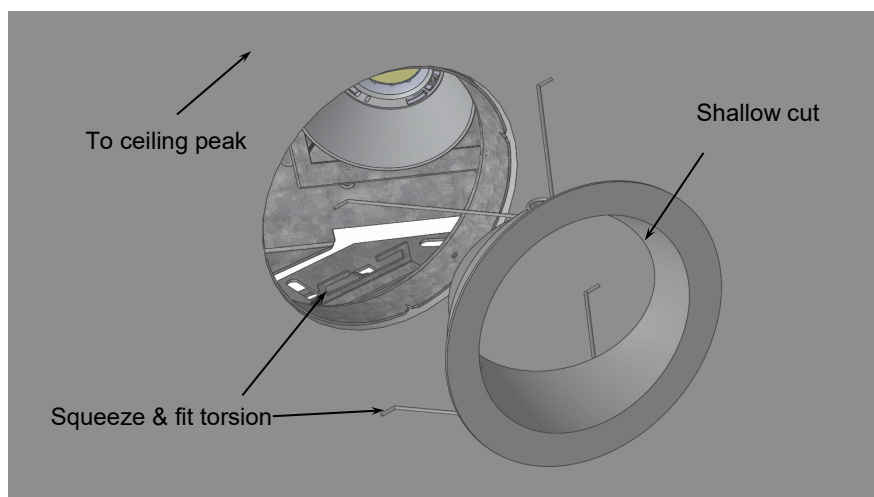


Figure 3

Environmental Lights

11235 West Bernardo Court Suite 102 San Diego, CA 92127

Phone: 866.343.4882 / Fax: 707.281.0567

ContactUs@EnvironmentalLights.com / EnvironmentalLights.com