

PROJECT NAME:

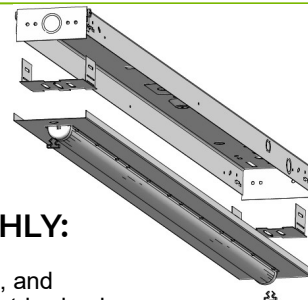
NOTES:

PART NUMBER:

DATE:

# LED SOTA Retro Kit

**PLEASE READ: IN ORDER FOR THIS KIT TO BE  
CSA APPROVED, CUSTOMER MUST INSTALL  
ACCORDING TO INSTRUCTIONS.**



## IMPORTANT INSTALLATION INSTRUCTIONS—PLEASE READ THOROUGHLY:

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. Ensure the supply voltage is the same as the rated luminaire voltage.

To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/ abrasions, and other hazards, please read all warnings and instructions included with and on the fixture box and all fixture labels

Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.

Installation and service luminaires should be performed by a qualified licensed electrician.

Maintenance of the luminaires should be performed by person(s) familiar with the luminaires' construction and operation and any hazards involved. Regular fixture maintenance programs are recommended.

**DO NOT INSTALL DAMAGED PRODUCT!** This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.

Recycle: For information on how to recycle LED electronic products, please visit [www.epa.gov](http://www.epa.gov)

Unless individual product specifications deem otherwise, do not exceed fixtures maximum ambient temperature.

These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, this matter should be referred to TechBrite LLC.

## Maintenance

Be certain electric power is off before and during installation and maintenance!

Perform visual, electrical, and mechanical inspections on a regular basis. In harsh environments, this inspection should be completed frequently. It is recommended that checks be made quarterly. We recommend an Electrical Preventative Maintenance Program as described in the National Fire Protection Association Bulletin.

Visually check of undue heating evidenced by discoloration of wires or other components, damaged parts, or leakage evidenced by water or corrosion in the interior. Replace all worn, damaged, or malfunctioning components before putting the fixture back into service.

Electrically check to make sure that all connections are clean and tight.

Mechanically check that all parts are properly assembled.

### Kit Includes:

Ballast Covers; Socket Brackets; Quarter turns; Tek Screws; Driver



Socket Bracket



Quarterturns



Tek Screws

FIGURE 1

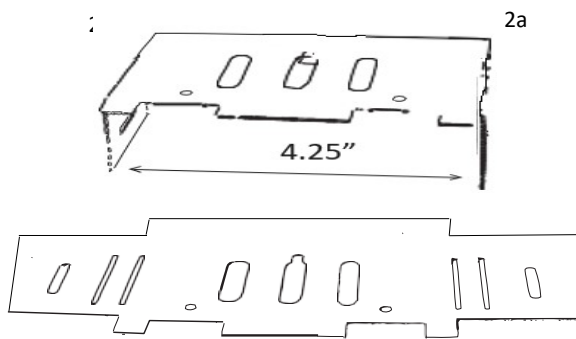


FIGURE 2

The flat socket bracket (foreground) can be bent as shown in Fig 2A.

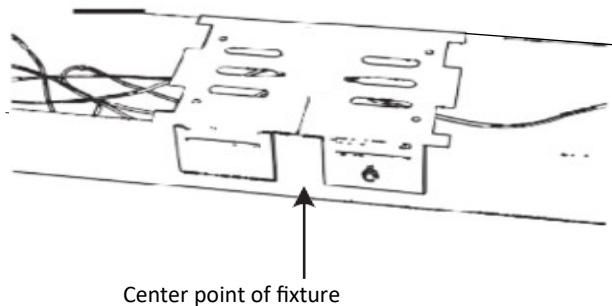


FIGURE 3

The diagram shows placement of the center socket brackets at the center of 8' fixtures.

Aligning the tek screws in the center of the tek screw slot allows for maximum adjustment, if necessary.

Bend socket bracket around channel

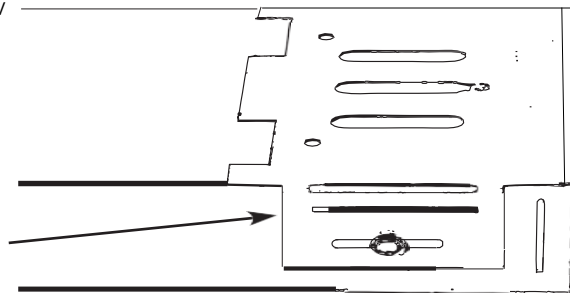


FIGURE 4

continued on back side

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## BEFORE YOU BEGIN



Read these instructions completely and carefully! These instructions do not cover all scenarios encountered with the numerous fixtures in the market, nor every possible contingency met during installation. Please contact your rep for additional installation details. TechBrite does not claim liability for any installation not performed according to this guide or not by a qualified, licensed electrician, or not in conjunction to local, state national electrical codes or not installed in accordance to the Local AHJ.

**WARNING—DISCONNECT POWER BEFORE SERVICING. ALL ELECTRICAL WORK SHOULD BE COMPLETED BY A LICENSED ELECTRICIAN.**

## Pre-Installation Work

On existing fixture, remove the lamp(s), ballast cover(s) and/or reflector(s), ballast(s), lamp sockets, etc.

## Bracket Assembly Installation

Bend socket bracket to the width of the fixture by wrapping around the outside of the existing fixture channel (figure 4). Attach the bracket assembly to existing fixture using Tek screws provided (figure 1). For eight foot fixtures, install the socket brackets to the end of the fixture (as described above). Determine center point of the existing fixture. Install two center bracket assemblies to the center of the fixture (figure 3). Insert the Tek screw in the center of the Tek screw slot on the bracket assembly (figure 4). Lateral adjustments can be easily made by loosening the Tek screw on either side of the fixture and sliding the socket bracket assembly to ensure proper fit (figure 4).

## Electrical Installation

Connect driver wires (black and white) to the appropriate line leads from electrical system according to the driver manufacturer's instructions. Using the quarter-turn fastener (Figures 1), connect the driver channel.

## Final Installation

Confirm all electrical connections are properly made. Confirm all wires are inside the strip channel and not pinched between fixture and ballast cover. Restore power and test.

For the 8', separate the two LED channels by disconnecting wire harness. Connect power to driver channel and install using quarter turns. Connect one end of remaining channel to bracket using quarter turns. Reconnect the wiring harness. Finish installing channel with quarter turns.

# LED SOTA Retro Kit

## Installation Instructions

**WARNING** – Risk of fire or electric shock. Luminaires wiring, ballasts, or other electrical parts may be damaged when drilling for installation of reflector kit hardware. Check for enclosed wiring and components.

**WARNING** – Risk of fire or electric shock. Do not alter, relocate, or remove wiring, lampholders, ballasts, or any other electrical component

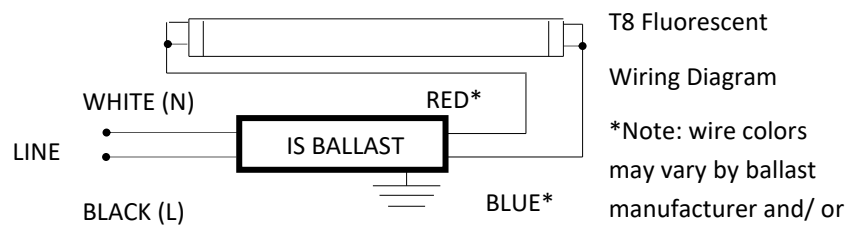
**WARNING** – Risk of fire or electric shock. Reflector kit installation requires knowledge of fluorescent lighting luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

**WARNING** – Risk of fire or electric shock. Install this kit only in the luminaires that has the construction features and dimensions shown in the photographs and/or drawings.

Only those open holes indicated in the photographs and/or drawings may be made or altered as a result of kit installation. Do not leave any other open holes in an enclosure of wiring or electrical components.

Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

**WARNING** – To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.



Wiring of new LED: Remove ballast, sockets, and lead wire on existing fixture. Wire LED as shown below and according to diagram on LED driver

