

LED Lumen Select Strip Retrofit, Gen 1

Instruction Number: P-INT-X-438

Product Series: LSSR1

WARNING!



- **Risk of fire or electric shock.** To reduce risk of electrical shock, turn off power supply before installation or servicing.
- **Risk of fire or electric shock.** LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- **Risk of fire or electric shock.** Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
- **To prevent wiring damage or abrasion,** do not expose wiring to edges of sheet metal or other sharp objects.
- **Risk of fire or electric shock.** Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Check for enclosed wiring and components.
- **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 open holes in an enclosure of wiring or electrical components.
- **All wiring connections should be capped with UL approved wire connectors.**
- **Verify that supply voltage is correct by comparing it with the luminaire label information.**

Use this instruction to install the LSSR1 to retrofit existing surface mounted T8 fluorescent lamp strip fixtures to LED. This retrofit kit is specifically for existing surface mount strip fixture a 4.25" or 5.25" fixture housing/SEP pan.

4' Retrofit Kit Components (See Fig. A)

- 1 Retrofit Housing
- 2 (2) Installation Brackets
- 3 Lens
- 4 (2) Safety Cables
- 5 Hardware: (2) Quarter Turns, (6) TEK Screws, (2) Washers



8' Retrofit Kit Components

- 1 (2) Retrofit Housing
- 2 (3) Installation Brackets ((2) One per End, One Wider Bracket for Center)
- 3 (2) Lens
- 4 (4) Safety Cables
- 5 Hardware: (3) Quarter Turns, (10) TEK Screws, (4) Washers

Tools Required for Installation

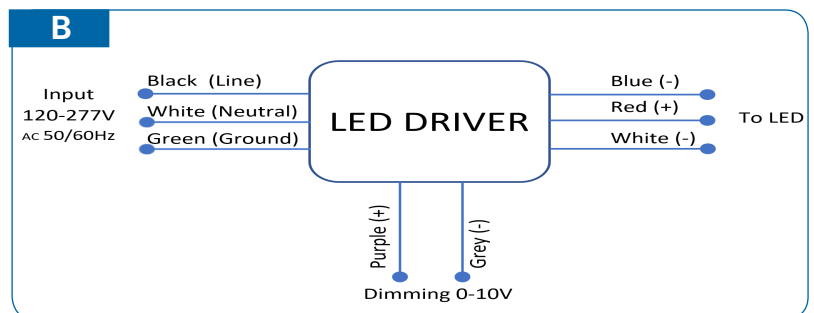
- Philips Screwdriver or Cordless Drill
- Wirestripper/cutter

Wiring

- 1 See Fig. B for wiring diagram.

Field Adjustable Wattage and CCT

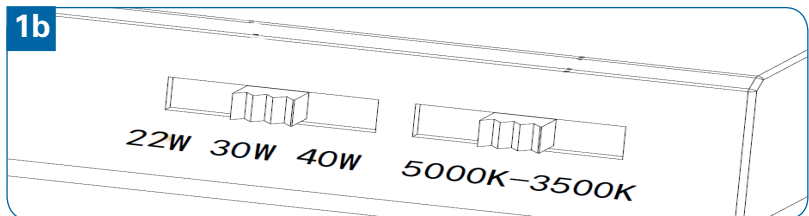
Adjust the color temperature and lumen output using the DIP switches in the retrofit. Each DIP switch accommodate 3 options that correspond to 3 color temperatures (CCT) and 3 power configurations (Wattage). Select your desired options before installing retrofit to housing. See Fig. 1a for lumen configurations.



1a

Model #	Fixture Size	Factory Setting	Wattage	Lumens
LSSR14A1	4'	30w/ 4,000 lumens/ 4000K	22w	3,000
			30w	4,000
			40w	5,000
LSSR18B1	8'	60w/ 8,000 lumens/ 4000K	45w	6,000
			60w	8,000
			75w	10,000

1b



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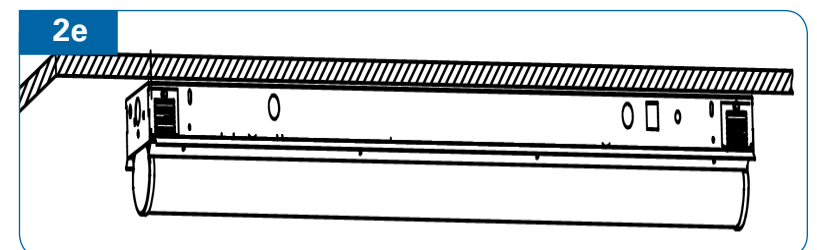
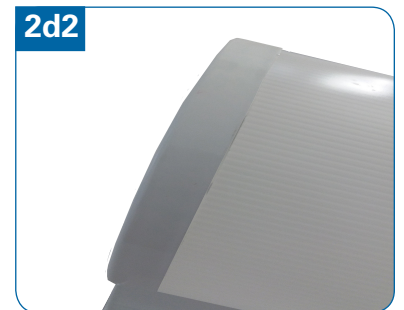
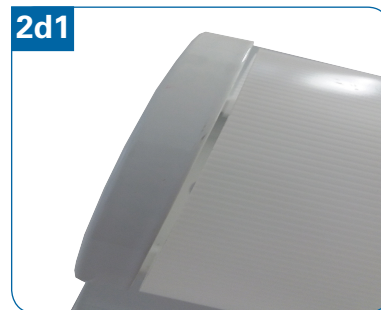
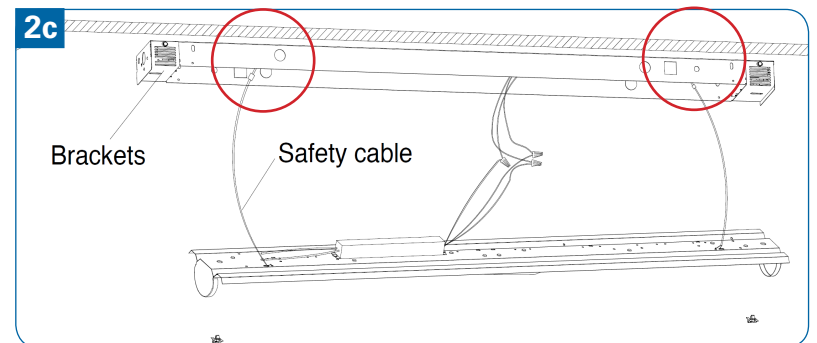
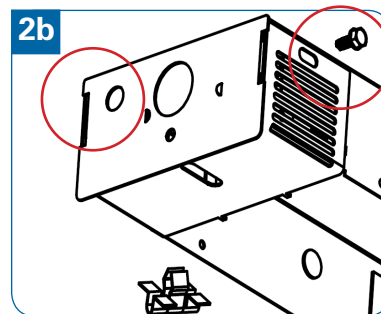
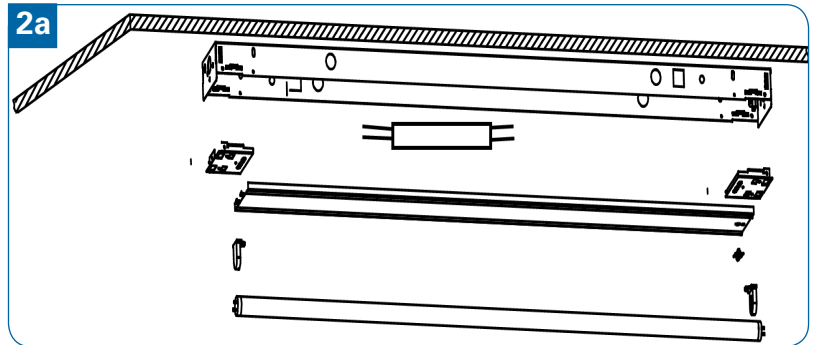
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4' Retrofit Installation Steps

- 1 Turn off power to fixture. Disconnect wires to power supply to existing ballast.
- 2 Remove and discard lamps, ballast cover, ballast, socket-bars, and wiring. (See Fig. 2a)
- 3 Configure field adjustable Wattage and CCT per instructions on page 1.
- 4 Install brackets (2) on each end of the fixture assembly by bending the bracket over the existing fixture housing/SEP pan to ensure the correct width. Secure in place to the fixture assembly with provided TEK screws (2) screws per bracket. (See Fig. 2b)
- 5 Attach the LED retrofit assembly to the existing fixture housing/SEP pan with provided (2) safety cables, (2) washers and (2) TEK Screws. (See Fig. 2c)
Note: The carabiner end of the safety cables attaches to the retrofit assembly.
- 6 Make all electrical connections per NEC and local codes.
- 7 Secure the retrofit assembly closed with the (2) provided quarter-turn fasteners on each fixture bracket.
- 8 Install fixture lens by snapping the lens into the retrofit assembly. Slide lens to center to eliminate gap at each end. (See Fig. 2d1 for incorrect lens installation and 2d2 for correct lens installation and Fig. 2e for final fixture installation)
- 9 Restore power and test fixture.

8' Retrofit Installation Steps

- 1 For an 8' retrofit installation, complete the above Steps 1-3 for both 4' fixture assembly sections.
- 2 Install brackets (2) on each end of the fixture assembly by bending the bracket over the existing fixture housing/SEP pan to ensure the correct width. Secure in place to the fixture assembly with provided TEK screws (2) screws per bracket. (See Fig. 2b) Install the (1) wide bracket between the (2) 4' fixture assemblies with the additional (2) TEK screws.
- 3 Complete Steps 4-8 for the rest of the 8' retrofit installation.



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Emergency Battery Back Up Information

Caution: Battery is rechargeable LiFePO4 type and must be recycled or disposed of properly.

- An un-switched AC power source of 100V AC to 277V AC must be connected to this emergency backup driver to allow battery to charge when AC power is available.
- The emergency backup driver must be fed from the same branch circuit as the AC powered driver.
- Do not join the Battery Connector until installation is complete and AC power is supplied to the emergency backup driver (see Fig. 3a).
- During operation AC power is applied, the Charging Indicator is illuminated, the battery is being charged. When power fails, the emergency LED driver automatically switches to emergency power (internal battery), operating the LED load for a minimum of 90 minutes. When AC power is restored, the emergency driver returns to the charging mode. (See circled section of Fig. 3b for charging indicator and test switch)

