LED Lumen Select Strip Luminaire, Gen 1

Instruction Number: P-INT-X-448

Product Series: LSSL1

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. Field installers are responsible for recognizing specific site requirements and making adjustments to assure a complete functional installation.**
- **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 during installation of LED luminaire.**
- **Only those open holes indicated in the photographs and/or drawings may be made or altered as**
- **a result of luminaire 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 LSSL1 to replace the existing surface mounted T8 fluorescent lamp strip fixtures to LED.

4' Luminaire Components (See Fig. A)

1. Prewired LED Strip Cover with Driver
2. (2) Installation Brackets
3. Lens
4. (2) Safety Cables
5. Hardware: (2) Quarter Turns, (7) TEK Screws, (2) Washers
6. (1) Fixture Body
7. (2) Fixture End Caps
8. (1) Grounding Wire

8' Luminaire Components

1. (2) Prewired LED Strip Cover with Driver
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, (11) TEK Screws, (4) Washers
6. (2) Fixture Bodies
7. (2) Fixture End Caps
8. (1) Grounding Wire

Tools Required for Installation

-Philips Screwdriver or Cordless Drill
-Wirestripper/cutter
-Level
-Wire Nuts

Wiring

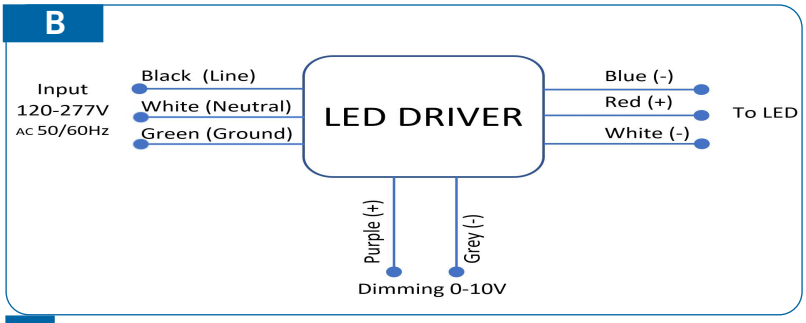
1 See Fig. B for wiring diagram.

Field Adjustable Wattage and CCT

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

A

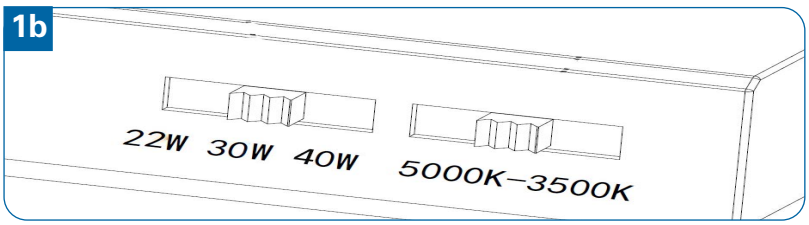
B



1a

Model #	Fixture Size	Factory Setting	Wattage	Lumens
LSSL14A1	4'	30w/ 4,000 lumens/ 4000K	22w	3,000
			30w	4,000
			40w	5,000
LSSL18B1	8'	60w/ 8,000 lumens/ 4000K	45w	6,000
			60w	8,000
			75w	10,000

1b



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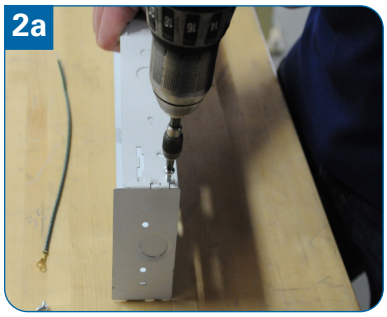
4' Luminaire Steps

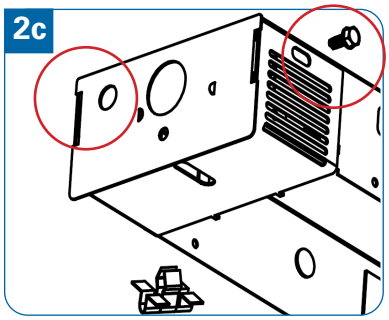
Complete Steps 1 & 2 Only If Replacing An Existing Fluorescent Fixture

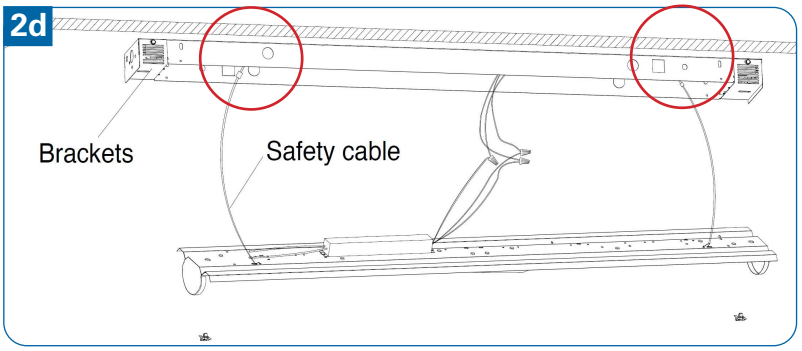
1. Turn off power to fixture. Disconnect wires to power supply to existing ballast.
2. Remove existing fixture and discard lamps and housing.
3. Configure field adjustable Wattage and CCT per instructions on page 1.
4. Attach end caps to each end of strip housing with provided screws. (See Fig. 2a)
5. Take Pliers and remove desired knockout in strip housing to run power to fixture.
6. Attach ground wire to raised ground location in strip housing emboss in with provided screw. (See Fig. 2b) Run incoming power supply through removed knockout section in Step 4. Follow NEC & local electrical code requirements.
7. Secure strip housing to surface mounting area with self provided screws.
8. Install luminaire brackets (2) on each end of the fixture assembly by bending the bracket over the existing strip 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. 2c)
9. Attach the LED luminaire assembly to the existing strip fixture housing/SEP pan with provided (2) safety cables, (2) washers and (2) TEK Screws. (See Fig. 2d)
   Note: The carabiner end of the safety cables attaches to the luminaire assembly.
10. Make all electrical connections per NEC and local codes.
11. Secure the luminaire assembly closed with the (2) provided quarter-turn fasteners on each fixture bracket.
12. Install fixture lens by snapping the lens into the luminaire assembly. Slide lens to center to eliminate gap at each end. (See Fig. 2e1 for incorrect lens installation and 2e2 for correct lens installation and Fig. 2f for final fixture installation)
13. Restore power and test fixture.

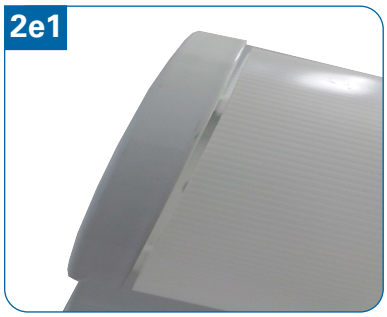
8' Luminaire Steps

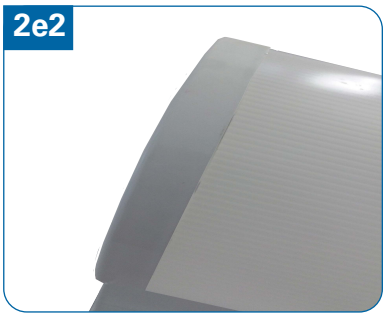
1. For an 8' luminaire installation, complete the above Steps 1-7 for both 4' fixture assembly sections.
2. Install brackets (2) on each end of the fixture assembly by bending the bracket over the existing fixture housing/SEP pan to ensure the correct width. Secure in place to the fixture assembly with 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 8-13 for the rest of the 8' luminaire installation.

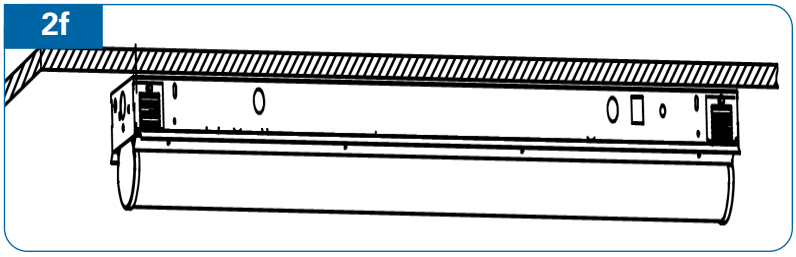












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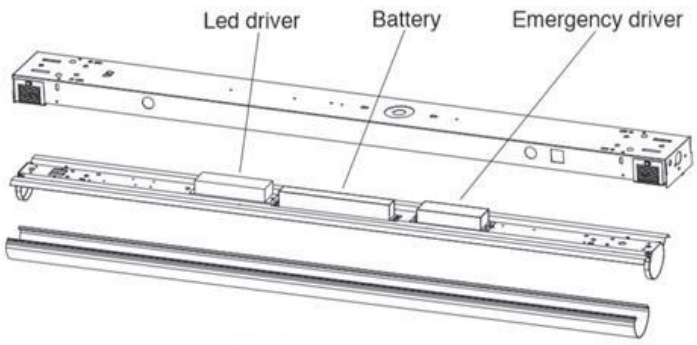
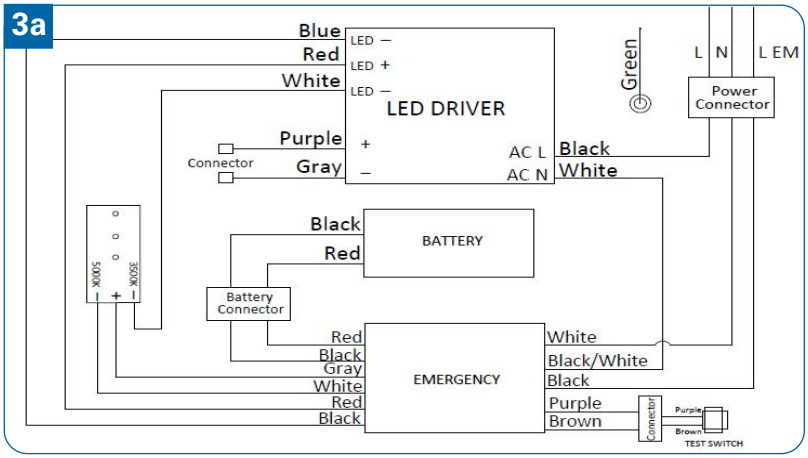
Emergency Battery Back Up Information

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)



3a



3b