

LumeLEX 2020 SERIES INSTALLATION INSTRUCTIONS

Important

**THIS SHEET CONTAINS IMPORTANT SAFETY INSTRUCTIONS.
SAVE THESE INSTRUCTIONS.**

Warning

This product must be installed in accordance with National Electrical Codes and all other local codes by a person familiar with the construction and operation of the product and the hazards involved.

To prevent electrical shock, turn off the power during installation or maintenance.

To reduce the risk of fire, keep away from combustible materials.

Product Overview

The LumeLEX 2020 Series is a clean, elegant stem mounted LED spotlight with a discreetly hidden driver, making it appear no different than a traditional halogen source.

The LumeLEX 2020 Series is a tightly focused LED fixture, specifically designed for short and medium throw applications. This efficient, 5 watt LED fixture creates a 4 degree beam with 26,000 CBCP with 270 lumens. System efficiency up to 50 lumens/watt. The LumeLEX 2020 series also features a snap-out accessory cartridge which accepts up to two optical accessories, size 'AAA'.

See the fixture label for voltage and wattage input.

Please consult our Product Catalog or web site for available accessories.

We recommend that you first install the reflector and any accessories before installing the fixture.

LumeLEX 2020 Series Spotlight



Purpose of This Sheet

The purpose of this sheet is to provide step-by-step instructions to help you:

- Install the fixture with any of the following: -00E fitting on an LSI track, -BUSE fitting on an LSI Busway, -5AE canopy.
 - Install accessory filters
 - Aim the self-locking and wrench-locking fixture
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Installing the Fixture with the -00E Fitting on an LSI Track or a -BUSE fitting on an LSI Busway

FOR USE WITH LSI 3, 4, 5, 6, 8, AND 9 SERIES TRACK AND LSI 20 SERIES BUSWAY SYSTEMS ONLY.

INSTALLATION INSTRUCTIONS: The track or busway must already be installed according to code requirements. When installing or using this track or busway system, basic safety precautions should always be followed, including the following:

- Read all instructions.
- Do not install any part of a track or busway system less than 5 feet above the floor (8 feet for 277V).
- Do not install any fixture closer than 6 inches from any curtain or similar combustible material.

STEP	ACTION
1	Flip the fitting switch off and open the fitting handle (Fig. 1).
2	Are you using a one-circuit or two-circuit system? <ul style="list-style-type: none"> ▪ <i>If one-circuit</i>, make sure the brass contacts that protrude from the side of the fitting face the copper busbars inside the track or busway. ▪ <i>If two-circuit</i>, inserting the fitting in one direction connects to circuit one. Removing and reversing the direction of the fitting connects to circuit two.
3	Insert the fitting straight up into the track or busway until fully seated (Fig. 2).
4	Close the handle and flip the fitting switch on (Fig 3). WARNING: Do not look directly at lit LED.
5	To remove the fitting, hold the fixture in place, flip the fitting switch off, open the handle, and pull the fitting straight off the track or busway.



Figure 1. Fitting with switch OFF and handle OPEN.

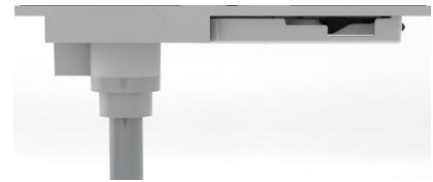


Figure 2. Inserted fitting



Figure 3. Switch ON, fitting handle closed

Installing the Fixture with a 5AE Canopy

Before Installing: Consult the code requirements for fixture mounting. Mount the fixture to a ceiling constructed of non-combustible material, away from any flammable materials.

STEP	ACTION
1	Turn off all power to the fixture mount.
2	Unscrew the 2 supplied canopy mounting screws, and remove the crossbar from the canopy (Fig. 4).
3	Attach the canopy crossbar (Fig. 5) to a ceiling junction box with 2 screws (supplied by others).
4	Fasten the power wires (Fig. 5) from the junction box to the LED driver. Secure the driver inside the junction box with tape supplied, taking care not to pinch or damage any wires. (Fig. 5) Note: Connect green to ground, black to the circuit line, and white to neutral.
5	Attach the canopy to the ceiling with the 2 supplied canopy mounting screws.



Figure 4. Fixture mounted on the 5AE Canopy

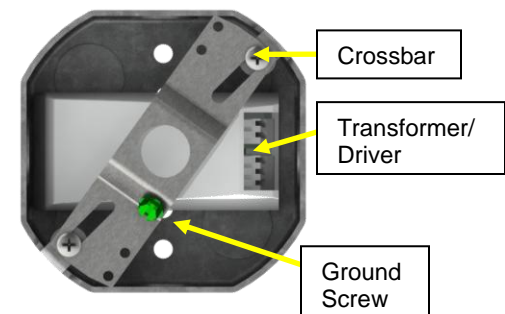


Figure 5. Junction Box, crossbar, ground screw (green) and a transformer/driver secured.

Installing Accessory Filters and Reflectors

Before Installing: The LumeLEX 2020 has a removable accessory cartridge that holds size-AAA LSI filters and accessories, as well as other reflectors. The LumeLEX 2020 package includes accessory cartridges and a reflector. Consult our *Product Catalog* or web site for accessory recommendations.

STEP	ACTION
1	Turn off all power to the fixture, including the fixture switch on the fitting, and let the lamp cool. WARNING: LED and fixture may be hot.
2	Remove the accessory cartridge assembly by pulling it out of the cylinder housing (Fig. 6).
3	Insert any double combination of size-AAA filters and accessories into the Accessory Cartridge Clips (Fig. 7). Alternatively, the Accessory Cartridge will accept a single or combination of size-AAA gels, which are secured with the included Backer Ring (Fig. 7). Insert the gel into the Accessory Cartridge, taking care to orient non-symmetrical gels properly and having the textured side facing in towards the LED. Secure the gels by inserting the backer ring on top and seating it firmly in the cartridge.
4	Reinsert Accessory Cartridge into the cylinder housing by pushing in the Retention Tabs on the sides of the cartridge (Fig. 7). Ensure that the cartridge is pushed all the way in, with the lip of the cartridge being flush with the front edge of the housing (Fig.6).
5	Restore power. WARNING: Do not look directly at the lit LED.



Figure 6. Remove Cross-Baffle cartridge assembly by pulling it out of the cylinder housing. Cross-Baffle should be flush or below front edge of housing when installed.

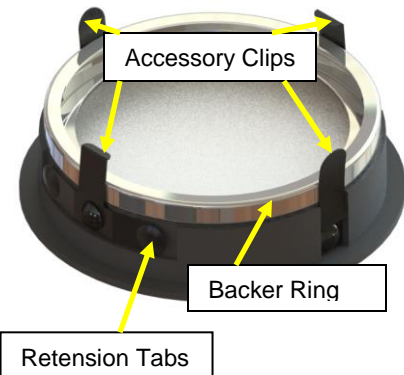


Figure 7. Accessory Clips, Retention Tabs, Backer Ring.

Aiming the Self-Locking and Wrench-Locking Fixtures

Before Aiming: For self-locking, you do not need an external locking device to set the horizontal and vertical focus. For wrench locking, use the supplied Allen key (3/32 inches) to set and lock the horizontal and vertical focus.

STEP	ACTION
1	Turn off all power to the fixture, including the fixture switch on the fitting, and let the lamp cool. WARNING: LED and fixture may be hot.
2	Do you want to aim the fixture horizontally or vertically? <ul style="list-style-type: none"> For horizontal aiming, hold the lamp housing and turn it left or right until you achieve your desired orientation (Fig. 8). For vertical aiming, hold the lamp housing and angle it up and down until you achieve your desired orientation (Fig. 9). For wrench locking: After aiming, insert the Allen key into the horizontal or vertical focus lock (Fig. 10), and turn it clockwise to tighten. <p>Note: Allen key is supplied for track and busway fixtures. It is stored in fitting handle (Fig. 11).</p>
3	Restore power. WARNING: Do not look directly at the lit LED.



Figure 8. Turn fixture left or right to set the horizontal focus.

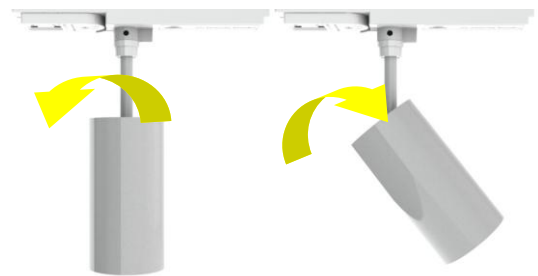


Figure 9. Angle fixture up or down to set the vertical focus.

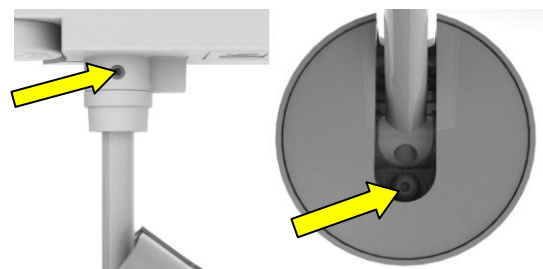


Figure 10. Horizontal focus lock (L). Vertical focus lock (R).

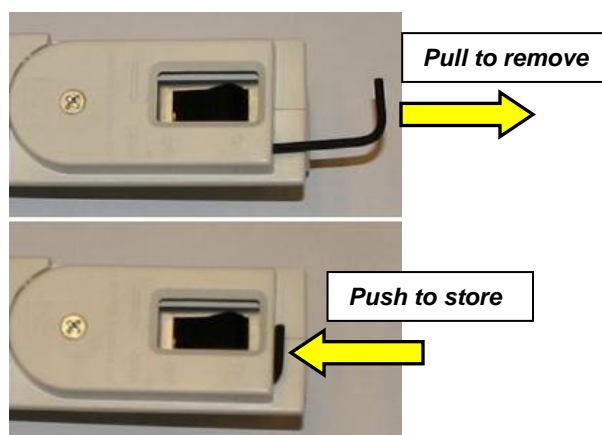


Figure 11. Allen key storage in fitting. Push in to secure the key.