

LumeLEX 2047 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 2047 Series is a clean, elegant stem mounted fixture with a discreetly hidden driver, making it appear no different than a traditional halogen source.

With independent ratings of 98 CRI, the LumeLEX 2047 Series, based on the latest in Remote Corrected Cold Phosphor Technology by Xicato, has the highest Color Rendering Index of any LED on the market today, producing the most consistent, highest quality white light and maintaining extremely tight color control (within 2 MacAdam ellipses, vs. the NEMA standard of 7).

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 2047 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: -00 fitting on an LSI track, -BUS fitting on an LSI Busway, 5A canopy, -2G universal flange fitting, or -3G C-Clamp fitting
 - Aim the self-locking and wrench-locking fixture
 - Service the 50,000 hour LED driver
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Dimming

- The LX2047 is fully dimmable using compatible trailing-edge, low-voltage electronic dimmers.
 - Please review dimming application guide for detailed information and a list of compatible dimmers
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Installing the Fixture with the -00 Fitting on an LSI Track or a -BUS 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 277 volt).
- 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 5A 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 fixture wires. <i>Note:</i> 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 5A Canopy

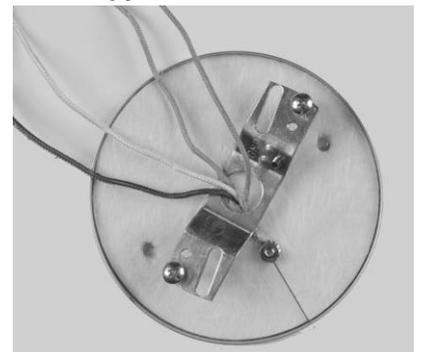


Figure 5. Ground and power wires with canopy crossbar

**Installing
the Fixture
with a -2G
Universal
Flange
Fitting or a
-3G
C-Clamp
Fitting**

Before Installing: Consult the code requirements for fixture mounting, and check the distance-from-wall label inside the fixture. Mount away from any flammable materials.

**For the -2G fitting, follow steps 1, 2, 4, and 5.
For the -3G fitting, follow steps 1, 3, 4, and 5.**

STEP	ACTION
1	Turn off all power to the fixture.
2	Attach the -2G fitting (Fig. 6) to any non-combustible material, using the 2-hole flanged mounting plate with 2 screws (supplied by others) or bolt-up applications, such as Unistrut or Kindorf systems.
3	Attach the -3G fitting (Fig. 7) to a non-combustible pipe measuring 5/8" to 2" in outside diameter, and then secure the fitting by turning the C-clamp bolt clockwise.
4	Plug the fixture into a power source. IMPORTANT SAFETY INSTRUCTIONS Never use with an extension cord unless the plug can be fully inserted. Do not alter the plug.
5	Turn on the main power, and then flip the fitting switch on. Note: The switch is located on the base of fitting.



Figure 6. -2G universal flange fitting



Figure 7. -3G C-clamp fitting

Aiming the Self-Locking and Wrench-Locking Fixtures

NOTE: Allen key storage is only on Track and Busway Fittings.

STEP	ACTION
1	Turn off all power to the fixture, including the fixture switch on the fitting, and let the LED 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 Fixture and turn it left or right until you achieve your desired orientation (Fig. 8). ▪ For vertical aiming, hold the Fixture 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><i>Note:</i> For track and busway fixtures, the Allen key is stored in the fitting handle (Fig. 11).</p>
3	Restore power. WARNING: Do not look directly at the lit LED.

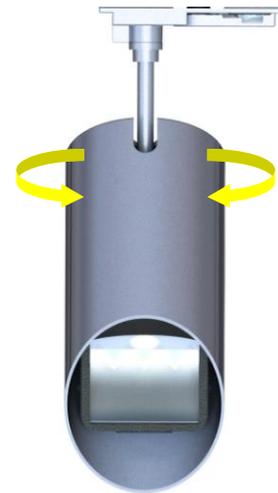


Figure 8. Turn Fixture left or right to set the horizontal focus.



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

Figure 10. Horizontal focus lock (top arrow). Vertical focus lock (bottom arrow).

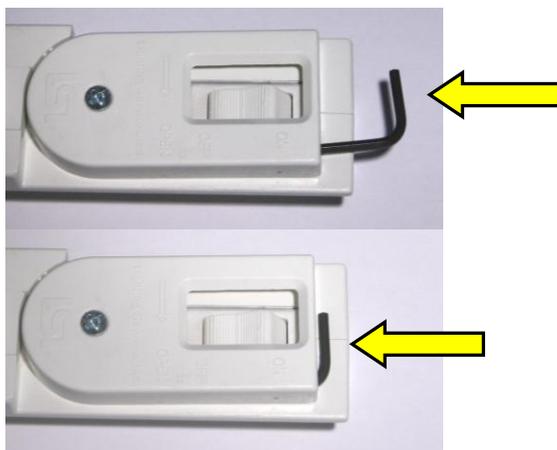


Figure 11. Allen key storage in fitting. Push in to secure the key.

Replacing the LED Module

If you need to change the LED Module, follow the steps below.

STEP	ACTION
1	Remove all power to the fixture, including the fixture switch on the fitting, and let the LED Module cool. WARNING: LED Module and fixture may be hot.
2	Remove the reflector assembly by removing the two mounting screws, pulling it straight off the fixture (Fig. 12), and setting it aside. Take care to not break the glass.
3	Remove the LED Module by unscrewing the three screws securing it to the Heat Sink (Fig. 12).
4	Pull out the wires and open the Quick Connect tabs to disconnect the LED wires from the circuit (Fig. 13).
5	Remove the old LED Module from the fixture.
6	Reconnect the new LED wires to the Quick Connect by lifting the tab and inserting the wire (Fig. 12). <i>Note: Ensure that the wires are paired by color as black to black and red to purple.</i> <i>Note: The driver has two black wires:</i> - Input black (line voltage), which is paired with white wire - Output black (low voltage/LED power), which is paired with purple or colored wire
7	Install the new LED Module by firmly screwing the three screws to the Heat Sink (Fig. 12).
8	Reattach the reflector assembly by aligning it with the LED module and securing it with the hardware from steps 2 and 3.
9	Restore all power to the fixture. WARNING: Do not look directly at the lit LED.

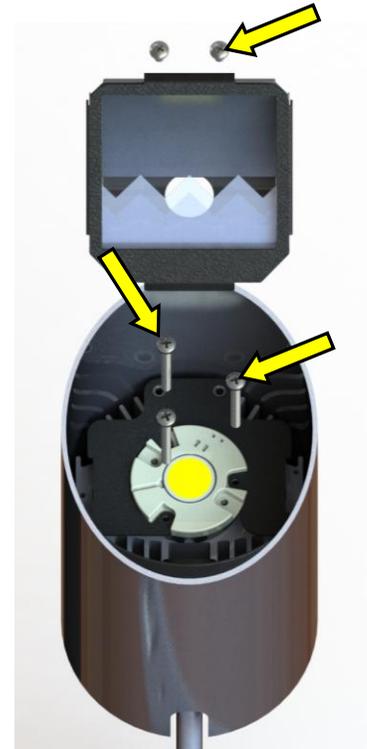


Figure 12. Remove the reflector assembly by removing the two assembly screws, and then remove the 3 screws holding the LED.

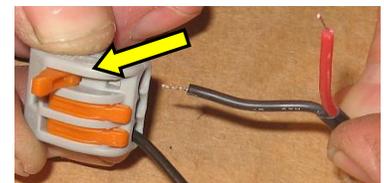


Figure 13. A Quick Connector with tab lifted. Please refer to the label on the driver for wire orientation.