

LumeLEX 2088 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 2088 Series is LSI's largest, fixed pendant downlight designed with Dim to Warm and Xicato XTM LED technology up to 59 watts. Developed specifically for the most demanding applications of hospitality lighting and transitional space lighting, the LumeLEX 2088 with Dim to Warm differentiates itself from the pack by providing 3000 lumens in Dim to Warm and 5000 lumens in XTM with a system efficiency up to 59 lumens/watt, a proprietary mixing optic for smooth even light (15°- 60°), optional Halogen mimicking color CCT from 3000°K down to 2000°K and a full range of internal accessories.

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 2088 Series Spotlight



Purpose of This Sheet

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

- Install accessory reflectors and accessory cartridge
 - Install the fixture with any of the following: -00 fitting on an LSI track, 5A canopy
 - Service the 50,000 hour LED driver
-

Dimming

- The LX2088 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
-

Accessory Cartridge Overview

The LumeLEX 2088 series fixture contains an accessory cartridge capable of holding Size C gels, and up to 3 Size C rimmed accessories.

Installing Size C Accessories

STEP	ACTION
1	Remove accessory cartridge by pulling on lip of cartridge (Fig. 1).
2	Insert the gels first (see pg. 3) and then 1 to 3 Size C rimmed accessories can be inserted (Fig. 2).
3	For orientation specific accessories such as a spread lens or Gel: Prior to fully reinserting the cartridge, turn fixture on and hold cartridge in front of fixture; rotate to orient beam as desired (Fig. 3).
4	Firmly push cartridge in until lip is fully seated on housing.

Changing Accessories

STEP	ACTION
1	Remove accessory cartridge by pulling on lip of cartridge (Fig. 1).
2	Change out accessories as desired. Accessories will pop out of retainer clip. Insert the gels, or up to 2 Size C rimmed accessories (Fig. 2).
	Follow steps 3 through 4 above



Figure 1. Remove accessory cartridge by pulling on lip.



Figure 2. Push accessory in so it lays flat and snaps into the retainer clip.



Figure 3. If required rotate the Accessory Cartridge to aim an orientation specific accessory.

Backer Ring Overview

The LumeLEX 2088 series fixture is capable of holding Size C gels. Typical Backer Ring and Gel insert are shown in **Figure 4**.

See pg. 2 for removing and installing accessory cartridge.



Figure 4. Typical Backer Ring and Gel.

Installing Size C Gel

STEP	ACTION
1	Remove accessory cartridge (Fig. 1)
2	Insert the desired Gel(s).
3	Insert Backer ring or rimmed accessory and push down on rim edge evenly with finger tips until it is seated flat on the bottom of the cartridge (Fig. 5).
Up to 2 Size C accessories may be installed on top of Gels, if desired.	



Figure 5. Insert Size C Gel into Cartridge and push down on the edge of the Size C rimmed accessory or Backer Ring to support Gel or Hood.

Installing Size C Hood

STEP	ACTION
1	Remove accessory cartridge (Fig. 1)
2	Insert the Hood. (Fig. 6)
3	Insert Backer Ring or rimmed accessory and push down on rim edge evenly with finger tips until it is seated flat on the bottom of the cartridge (Fig. 5).
Several Gels and up to 2 Size C accessory may be installed on top of hood, if desired.	
Fully assembled Hood is shown in Fig. 7 .	



Figure 6. Place hood in cartridge and push down on edge



Figure 7. Cartridge assembled with hood

Reflector Overview The LumeLEX 2088 series fixture is designed for use with interchangeable 70mm and 111mm reflectors.

Changing the Reflector **Before Installing the Fixture:** The reflector is attached using a 3-tab bayonet system. To install the reflector, insert the tabs into the notches on the LED Adapter Ring and rotate clockwise.

STEP	ACTION
1	Remove accessory cartridge. (Fig. 1)
2	Insert the new reflector by lining up the three tabs with the notches in the LED Adapter Ring, and rotating clockwise until it is secured in place. (Fig. 8)
3	Remove the reflector by turning it counter-clockwise, then pulling it out of the fixture (Fig. 9).
4	Install accessory cartridge. (Fig. 3)



Figure 8. The three clips in the LED Adapter Ring. Align the reflector tabs with these clips and rotate clockwise to secure it in place.

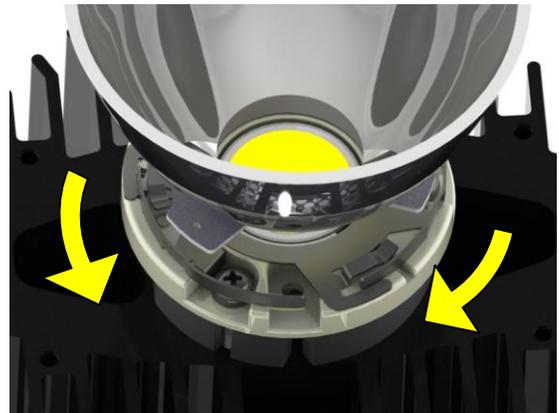


Figure 9. Rotate reflector counter-clockwise to remove it.

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 by turning it counter-clockwise, then pulling it off the fixture (Fig. 15) and setting it aside.
3	Remove the Adapter Ring by unscrewing the three screws securing it and the LED to the fixture (Fig. 16). Pull the Adapter Ring and screws off the fixture and set aside.
4	Lift up and remove the LED Module.
5	Pull out the wires and open the Quick Connect tabs to disconnect the LED wires from the circuit (Fig. 17).
6	Remove the old LED Module from the fixture.
7	Reconnect the new LED wires to the Quick Connect by lifting the tab and inserting the wire (Fig. 17). <i>Note: Ensure that the wires are paired by color as black/blue to black and red/yellow to red.</i> <i>Note: The driver has two black wires:</i> - Input black (line voltage), which is paired with white wire and is thicker - Output black (low voltage/LED power), which is paired with red or colored wire and is thinner
8	Replace the LED making sure to align the mounting holes to the heat sink holes (Fig. 16).
9	Reattach the Adapter Ring by screwing the three screws to secure it to the fixture (Fig. 16).
10	Reattach the reflector by lining up the tabs with the clips in the LED Adapter Ring and rotating clockwise until it is secured in place (Fig. 15).
11	Restore all power to the fixture. WARNING: Do not look directly at the lit LED.



Figure 16. The three screw locations for the LED Module.

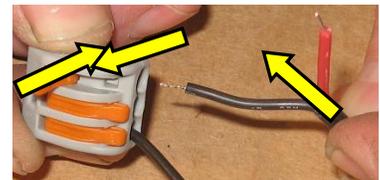


Figure 17. A Quick Connector with tab lifted. Please refer to the label on the driver for wire orientation.

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. 18).
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. 19).
4	Close the handle and flip the fitting switch on (Fig. 20). 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 18. Fitting with switch OFF and handle OPEN.



Figure 19. Inserted fitting



Figure 20. 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. 20).
3	Attach the canopy crossbar (Fig. 22) to a ceiling junction box with 2 screws (supplied by others).
4	Fasten the power wires (Fig. 22) 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 21. Fixture mounted on the 5A Canopy

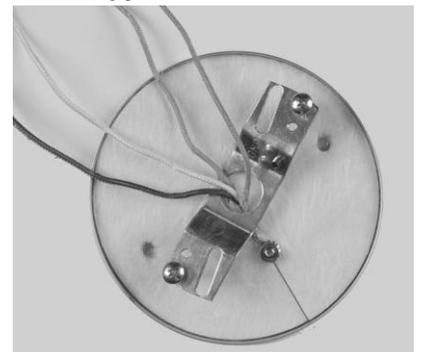


Figure 22. Ground and power wires with canopy crossbar