

# LED Channel Strip



## APPLICATION

The LCS family of Lensed LED strip lights combine high-performance LEDs and highly-engineered optics to traditional designs to bring you the most advanced line of LED Strip Lights on the market. Multiple lumen packages mean there is an LCS that is just right for your lighting needs. The LCS provides superior energy efficiency and a longer maintenance-free operating life over the traditional T5 and T8 fluorescent fixtures they are designed to replace.

## FEATURES

- Available in 2', 4', or 8' lengths
- Optional integral emergency battery pack
- Surface mount or suspended
- Heavy die-formed steel channel
- Stylish frosted acrylic lens featuring bright, even illumination
- Two LED color (Kelvin) temperature options and >80 CRI
- Optional 0-10V Dimming Capability
- Instant On
- Battery backup available for emergency egress applications

## HOUSING

Housing, wireway cover and ends are die-formed heavy gauge steel with high gloss, baked white enamel finish over rust inhibiting phosphate coat. Housing and wireway cover act as a heat sink, maximizing the life of the LEDs and power supplies. Knockouts provided on back, ends, and sides.

## MOUNTING

Suitable for surface mounting, suspension, or stem mounting, individually or in continuous rows.

## ELECTRICAL

Equipped standard with fixed output driver. Optional 0-10V continuous dimming driver that works with any standard 0-10V control/dimmer. Long-Life LED's 60,000 hours at L80 with projected life over 100,000 hours for reduced life cycle maintenance costs Luminaire can be ceiling or suspend mounted.

## LISTING

All luminaires are built to UL 1598 and 2108 standards, and bear appropriate ETL labels. Damp location labeling is standard. Emergency equipped fixtures labeled UL924. Adheres to LM70, LM80, and TM21 industry standards.

## WARRANTY

5-year limited warranty. See complete warranty for terms and exclusions. (Labor not included)

## ORDERING INFORMATION

Example Model Number: LCS-4-40-MV-850-OS

SERIES	LENGTH	WATTAGE	VOLTAGE	COLOR TEMPERATURE	OPTIONS
LCS	2- 24" Length 4- 48" Length <sup>2</sup> 8- 96" Length <sup>2</sup>	24" Housing 17- 17W (1800 Lumens) <sup>2</sup> 48" Housing 26- 26W (2700 Lumens) <sup>2</sup> 40- 40W (4000 Lumens) <sup>2</sup> 52- 52W (5200 Lumens) <sup>2</sup> 96" Housing 68- 68W (7200 Lumens) <sup>2</sup> 104- 104W (10800 Lumens) <sup>2</sup>	MV- 120-277V <sup>2</sup> MVD- 120-277V; 0-10V Dimming <sup>2</sup> HVD-347-480V,0-10V Dimming HV-347-480V	835- 80 CRI; 3500 Kelvin <sup>1,2</sup> 840- 80 CRI; 4000 Kelvin <sup>2</sup> 850- 80 CRI; 5000 Kelvin <sup>2</sup>	OS- 360 ° PIR Occupancy Sensor OSD- 360 ° PIR Occupancy Sensor w/ Daylight Sensor MOS-Integral Microwave Sensor FW3- 6', 3 Wire Fixture Whip FW4- 6', 4 Wire Fixture Whip EML8- Emergency Battery Pack, 800 Lumens EML14- Emergency Battery Pack, 1400 Lumens L615P- 6', Cord and Twist Lock Plug, 240V L715P- 6', Cord and Twist Lock Plug, 277V

Notes:

<sup>1</sup>Made to order items. Minimum 90 day lead time. Minimum 500 order quantity.

<sup>2</sup>DLC Listed

<sup>3</sup>DLC Premium Listed

# Installation Instructions

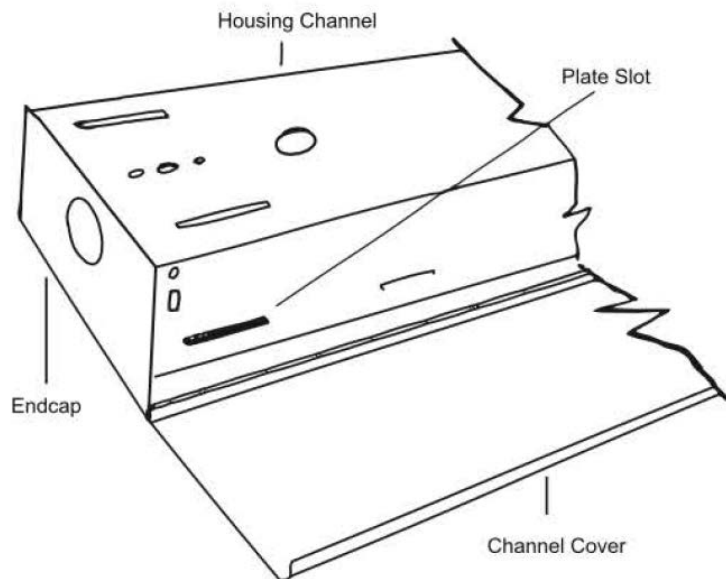
## ASSEMBLY AND INSTALLATION:

### TURN OFF POWER FROM THE MAIN CIRCUIT BEFORE INSTALLING FIXTURE.

1. To help prevent the possibility of electrical shock, the use for rubber sole shoes is recommended.
2. Exercise care, use work gloves when handling the fixture to avoid cuts or abrasions.
3. Press channel and remove channel cover.
4. Mount fixture in desired spot. (Make sure the mounting surface is structurally sound). Pull supply and ground wires in to Housing Channel, through, the knock out hole for wiring.
5. Electrical Connections: Connect green/or bare copper wire to the green ground wire of fixture. (Ground wire must be properly attached or unit may not work).

Connect the white supply wire to the white fixture wire, cover them with a wire nut/or twist together and cover really well with Electrical tape. Connect the black supplier wire to the black fixture wire, cover them with a wire nut/or twist together and cover really well with Electrical tape.

6. Place Channel Cover back on Housing Channel.
7. Install lens(If included).
8. Turn power on.





## Compatible 0-10V dimmers, switches and dimming control systems

Compatibility between dimmers/switches/dimming control systems and LED driver is a key factor of success in high-end LED lighting applications. It is these two components that play a major role in the quality of dimming.

The human eye perceives brightness in a nonlinear way. Furthermore, the dimming curve type used by the dimmers, switches and dimming control systems varies per brand. To ensure a perfect dimming experience where the brightness increase or decrease is experienced by the human eye in a linear fashion, eldoLED drivers let you tailor the dimming response, whichever dimming curve is used by the dimmer, switch or dimming control system.

The GlobalLux drivers to which this compatibility sheet applies include all 0-10V Dimming Drivers denoted by MVD suffix of your GlobalLux Lighting Fixture.

### Compatible 0-10V dimmers and switches

Dimmer manufacturer	Type	Recommended dimming curve
Lutron Electronics	Nova T - NTFTV	Linear
	Diva - DVTV	Linear
	Diva - NFTV	Linear
Sensor Switch	nIO EZ	Linear

### Compatible dimming control systems

Control manufacturer	Type	Recommended dimming curve
Lutron Electronics	GraphicEye - GRX-TVI w GRX3503	Linear
	Energy Savr Node - QSN-4T16-S TVM2	Linear
	Module	Linear