

Catalog # :

Project :

Prepared By :

Date :



MLS Mini LED Strip



The mini LED striplight replaces traditional T5 and T8 fluorescent strip luminaires. Ideal for task lighting, restrooms, under/over cabinet, storage closets and display cases. Diffuse acrylic lens provides uniform illumination. The MLS series provides long-life and energy efficiency as well as 0-10V dimming capability.

Features & Specifications

Optical System

- High transmission impact resistant diffuse acrylic lens eliminates bright spots from individual LED's and provides high vertical illumination and visual comfort.
- Use of closely spaced medium-power, high brightness chips provide uniform lens luminance with no dead spots
- Standard in 4000K color temperature.
- Minimum CRI of 80.

Electrical

- High-performance driver features over-voltage, under voltage, short-circuit and over temperature protection.
- 0-10 volt dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz
- L70 Calculated Life: >50k Hours
- Total harmonic distortion: <20%
- Operating temperature: -20°C to +40°C (-4°F to +104°F)
- Power factor: >.90
- Input power stays constant over life.

Construction

- Rigid housing is die-formed thick gauge steel for consistency and strength.
- Removable Lens frame assembly provides quick access to wiring and driver connections.
- Available in 2' or 4' lengths.
- All metal parts are painted after fabrication following treatment with phosphate rust inhibitor. Finish coating of housing reflecting surfaces is with high-reflectance white (minimum 92%) polyester powder.



damp location



Dimmable



UL US LISTED



RoHS COMPLIANT

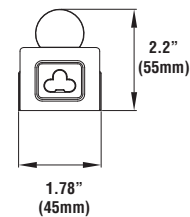


QUICK SHIP 5-DAY



DLC OPT LISTED

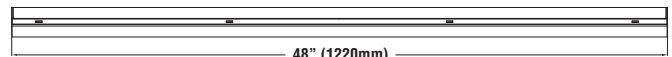
Dimensions



1.78"
(45mm)



24" (610mm)



48" (1220mm)



Features & Specifications (Cont.)

Installation

- Installs surface mount to ceiling studs or drywall.
- Comes standard with linking connector feature for continuous row installation.

Warranty

- LSI LED Fixtures carry a 5-year warranty.

Listings

- Listed to UL 1598 and UL 8750.
- RoHS Compliant.
- Suitable For Damp Locations.

Performance

DELIVERED LUMENS*			
MODEL	4000K CCT		Avg. Wattage
	Delivered Lumens	Efficacy	
10L	1133	115	9.8
20L	2134	109	19.5

*LED Chips are frequently updated therefore values are nominal.

ELECTRICAL DATA*				
MODEL	120V	208V	240V	277V
10L	0.08A	0.05A	0.04A	0.04A
20L	0.16A	0.09A	0.08A	0.07A

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

Luminaire Ordering Guide

TYPICAL ORDER EXAMPLE: **MLS2 LED 10L CSM UNV DIM 40 U**

Luminaire Prefix	LED Gen	Lumen Package	Optic	Voltage	Driver	Color Temperature	Packaging
MLS2 MLS4	LED	10L- 1000 ¹ 20L - 2000 ²	CSM - Centered Symmetric	UNV - Universal Voltage (120-277V)	DIM - 0-10V	40 - 4000K	U - Single Pack

Notes:

- 1- Only available with MLS2 on the 10L lumen package.
- 2- Only available with MLS4 on the 20L lumen package.

Accessory Ordering Information

Description	Order Number
Remote Emergency Battery Field Installed	658633

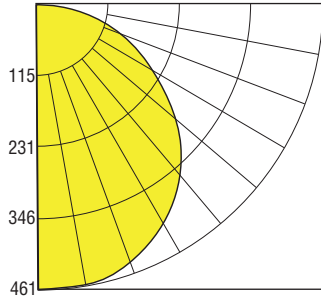


Photometry

MLS4-LED-20L-CSM-UNV-DIM-40

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See <http://www.lsi-industries.com/products/led-lighting-solutions.aspx> for detailed photometric data.



ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% OF LUMINAIRE
0-20	167.7	7.9%
0-30	363.5	17.0%
0-40	610.3	28.6%
0-60	1,158.6	54.3%
0-80	1,626.0	76.2%
0-90	1,795.9	84.1%
10-90	1,753.2	82.1%
20-40	442.6	20.7%
20-50	716.0	33.5%
40-70	801.4	37.5%
60-80	467.3	21.9%
70-80	214.3	10.0%
80-90	169.9	8.0%
90-110	228.6	10.7%
90-120	290.3	13.6%
90-130	323.5	15.2%
90-150	338.6	15.9%
90-180	338.6	15.9%
110-180	110.0	5.2%
0-180	2,134.5	100.0%