

# LS1-8

## 8' LED Linear Strip

Project \_\_\_\_\_

Catalog \_\_\_\_\_

Type \_\_\_\_\_

### Product Description

The LS1 LED Linear Strip brings a slim design to task and general ambient lighting for surface mount ceiling applications. This economical, energy-efficient lighting solution is a perfect alternative to 2-lamp fluorescent strips. The LS1's milky white lens provides a more polished, higher-end look to the fixture and yet is an affordable alternative for retail, warehouse, light industrial and residential utility applications.

#### Construction

- Heavy 20 gauge steel construction
- Smooth sides for safe handling

#### Optical System

- Semicircular milky white diffuser eliminates hotspots and pixelation

#### Electrical

- Utilizes high performing LEDs
- Driver delivers full-range dimming from 0 - 10VDC
- Silent and flicker-free operation
- Tight LED binning ensures color uniformity
- Operating temperature of 0° to 120°F (-18°C to 40°C)
- Universal input 120-277VAC
- Greater than 116 lumens per watt
- TM-21 Reported L70(9k) life >54,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards

#### Mounting and installation

- Easy surface mount installation
- Mounting points for hook and chain, cable, and pendant mount
- Removable fixture housing allows easy access for mounting and wiring
- Can be surface mounted to walls and ceilings for application variability
- Knockouts provide for easy end-to-end runs
- Similar form factor to 2-lamp fluorescent fixture
- Spacing criteria 1.28

#### Finish

- White powder coat finish

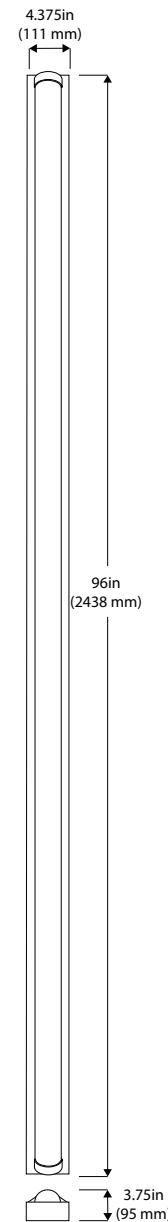
#### Warranty

- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the fixture or electrical distribution panel

### PRODUCT INFORMATION

#### 10S

TM-21 Projected L70(9k) LED Lifetime:	76,000 Hours
Input Voltage:	120-277V
Power Draw:	70.8W
Delivered Lumens:	8247
System Efficacy:	116 Lm/W
Dimmable:	0-10V
Correlated Color Temp:	4276K
Fixture Length:	96 in. (2438mm)
Fixture Width:	4.375 in. (111mm)
Fixture Height:	3.75 in. (95mm)



### Ordering Information

Example: LS1-8-10S-UNV-40

Series	Length	Output	Voltage	CCT's
LS1	8 (8 ft)	10S (Standard Output)	UNV (120-277V)	40 (4000 K)
				50 (5000 K)

All reports based on current industry standards; field performance may differ from laboratory performance  
Specification and dimensions subject to change without notice

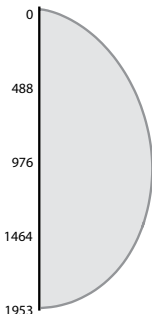
NICOR, Inc. 2200 Midtown Place NE, Albuquerque, NM 87107 P: 800.821.6283 F: 800.892.8393  
www.nicorlighting.com September 29, 2016 12:29 PM



# Photometric Data - Type C Goniophotometer

## LS1-8-10S-UNV-40K

Luminaire	4000K
Input Voltage (VAC)	120-277
System Level Power (W)	70.8
Delivered Lumens (Lm)	8247
System Efficacy (Lm/W)	116
Correlated Color Temp (K)	4276
Color Rendering Index (CRI)	85



### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1567	19%
0-40	2631	32%
0-60	4717	57%
0-90	8247	100%
90-180	0	0%
0-180	8247	100%

## LS1-8-10S-UNV-50K

Luminaire	5000K
Input Voltage (VAC)	120-277
System Level Power (W)	70.8
Delivered Lumens (Lm)	8350
System Efficacy (Lm/W)	117
Correlated Color Temp (K)	5291
Color Rendering Index (CRI)	85



### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1587	19%
0-40	2664	32%
0-60	4776	57%
0-90	8350	100%
90-180	0	0%
0-180	8350	100%

### Center Beam Foot Candles

Mounting Height (Ft)	Footcandles
8	31.21
10	19.98
12	13.87
15	8.88

### Center Beam Foot Candles

Mounting Height (Ft)	Footcandles
8	31.56
10	20.20
12	14.03
15	8.98