LED Strip Retrofit: 8 -Foot

LSR4 without lens

LSR4 with lens (SD)

Project:	
Catalog#:	
Approved by:	

Description

LSR8 series LED strip retrofit kit is a simple, energy efficient and cost-effective upgrade to existing 96"strip fixtures. This LED retrofit kit offers long life, several lumen output and length configurations. It is ideal for use in commercial, retail, manufacturing and warehouse applications.

Applications

Commercial facilities   Warehouse applications

Manufacturing facilities   Retail stores

Features

- Construction
  - Simple one piece construction, compact design, trouble free installation.
  - Code-gauge cold rolled steel
  - High gloss, baked enamel finish
  - Fits 4.3 in. wide strips
- Optional snap-on diffused lens for glare free lighting
  - Snap-on coupler available for easy continuous row mounting
- High output LEDs provide 80+ CRI in 4000K and 5000K colors
- L70 is predicted to be 75,000 hours
- Standard: Multi-volt (110 – 277V) input and 0-10V dimming driver
  - Optional factory pre-wiring for 0-10V dimming
- NEC compliant luminaire power disconnect standard
- Contents: 1 geartray with fully wired LED engine and driver; 6 tek screws; 2 geartray tethers (contents vary with configuration)
- UL Classified
- 5 Year warranty
- System Designed, Manufactured, Tested, and Approved in Mendenhall, Mississippi

Benefits

- Energy Saving Compared to fluorescent systems
- Exceptional Color Rendering
- High System Efficacy
- Long LED Life
- Installation Steps
  - Power off existing fluorescent strip fixture.
  - Remove existing lampholders and ballast.
  - Screw geartray tethers into existing fixture to hang geartray.
  - Insert incoming power leads into ballast disconnect plug.
  - Screw retrofit geartray to fixture body using front screw holes (primary) or side screw holes (secondary).

Sample Ordering Information

LSR8504SDV
- 8-Foot LED Strip Retrofit
- 50 Input Watts
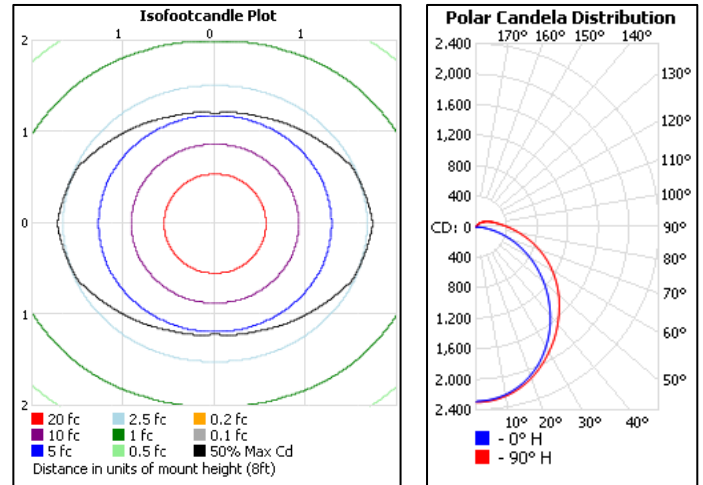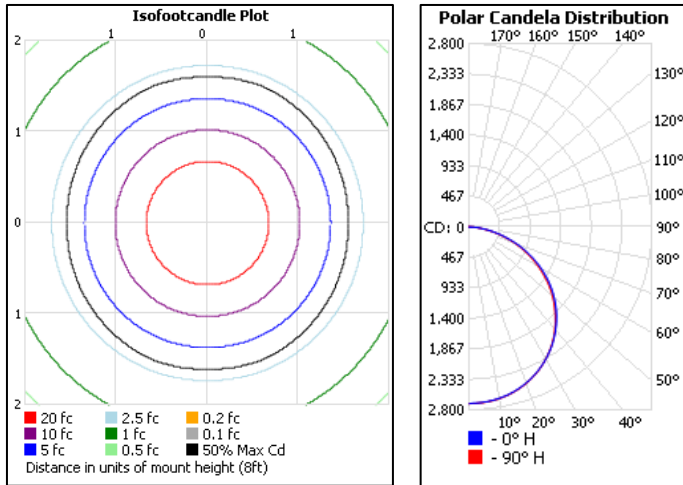- 4,000K Color
- Snap-on diffused lens
- Prewired for dimming

LED lighting facts — LED Product Partner

CLASSIFIED UL®

Ordering Information / Photometric Performance

Model	Fixture Length	Input Watts	CCT	Lens	Factory Installed Options	Photometric Performance Delivered Lumens; 4,000K CCT models	
						No-Lens	With Lens
LSR	8: 96"	50	4: 4,000K	(blank): No Lens	(blank): No FIO	6074	5535
		60	5: 5,000K	SD: Snap-on diffused lens	V: Prewired for dimming	6974	6356
		70				8031	7271
		80				8696	8040
		100				10532	9738
		120				13948	12712

Photometric Data

Luminaire	LSR8-70-4 No-Lens version
Lumens (Lm)	8031
Input Power (W)	69.66

Luminaire	LSR8-70-4-SD Lens version
Lumens (Lm)	7271
Input Power (W)	69.66

Isofootcandle Plot / Polar Candela Distribution (LSR8-70-4 No-Lens version)

Isofootcandle Plot / Polar Candela Distribution (LSR8-70-4-SD Lens version)

Projected Lumen Maintenance – Calculated L70 (30% lumen depreciation) is 75,000 hours

Usage (hours per day)		10	12	16	20	24
Lumen Maintenance	End of 1st year	98%	98%	97%	97%	96%
	End of 3rd year	95%	94%	92%	90%	88%
	End of 5th year	92%	90%	87%	84%	81%
Number of years to L70		20.5	17.1	12.8	10.3	8.6

Operational Data

Model Identifier		NOMINAL Input Power (W)	Delivered Lumens @4000K CCT		Delivered Lumens @5000K CCT		Equivalent Source
			No lens	With lens	No lens	With lens	
LSR8	50	52	6074	5535	5896	5380	2-lamp 32W T8, 1-lamp 54W T5HO
	60	60	6974	6356	6770	6178	3-lamp 32W T8, 2-lamp 54W T5HO
	70	70	8031	7271	7770	7091	3-lamp 32W T8, 2-lamp 54W T5HO
	80	81	8696	8040	8413	7841	4-lamp 32W T8, 2-lamp 54W T5HO
	100	104	10532	9738	10190	9422	4-lamp 32W T8, 3-lamp 54W T5HO
	120	119	13948	12712	13539	12355	4-lamp 32W T8, 3-lamp 54W T5HO

Accessories (sold separately)

UPC Code	Model Family	Description
08338	LSR-LENS-FRST	Frosted Lens
08339	LSR-ENDCAP	End Cap
08340	LSR-COUPLER	Coupler
08342	LSR4-SD-LENS-KIT	(1) Lens, (2) Endcaps, Hardware
08343	LSR8-SD-LENS-KIT	(2) Lens, (2) Endcaps, (1) Coupler, Hardware

Snap-on coupler available for easy continuous row mounting

Specifications subject to change without notice.

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