LSSR2

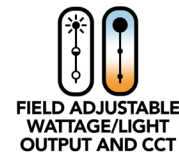*Applications*

The LSSR2 is the ultimate flexible strip retrofit with lumen output and color temperature selection at the point of installation. It's a cost-effective solution to retrofit existing T8/T12 fluorescent strips to LED technology. The pre-wired assembly design provides quick and easy install in existing housings resulting in labor and energy savings. For use in commercial, manufacturing, warehouse and retail applications.

Project Name:	
Catalog Number:	
Type:	
Note:	
Date:	

LSSR24A1UNVFD8CSLPFG

UL CERTIFIED

UL DAMP RATED

FIELD ADJUSTABLE WATTAGE/LIGHT OUTPUT AND CCT

DLC LISTED™

Construction & Design

- Easily accessible dip switches allow the user to select CCT and lumen output in the field providing flexibility to adapt to different work environment dynamics Select between three CCT (3500K/4000K/5000K) and three lumen outputs
- Retrofit is designed to fit over existing 4.25"-5.25" wide fluorescent strips
- Retrofits 4' and 8' lengths using 4' sections. 4' fixture ships 2 per pack and must be ordered in quantities of 2
- Quick and easy install provides labor savings. Safety cables and hardware come standard
- Polycarbonate frosted contour lens reduces glare in the work environment
- Steel construction with white powder coat finish
- Minimum 80 CRI

Additional Options

- Factory installed battery back up available
- Compatible with 0-10v occupancy sensors

Electrical

- Available in 120v-277v
- 0-10v Dimming to 10%
- Power Factor > .90*
- Total Harmonic Distortion < 20%*

*Note: Varies based on option

Control and Sensor Options

- Field installed control and sensor options
- Wireless handheld configuration tool

Lumen Maintenance

See lumen maintenance table on page 2

Fixture Certifications & Listings

- UL/cULus Classified
- UL/cUL Listed for Damp Locations
- DesignLights Consortium™ standard qualified luminaire
- Visit the DLC QPL for listed models

Warranty

See Orion's Product Limited Warranty for more details and information

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Performance Information, 120v, >80 CRI[1]

Nominal Lumen Code	Wattage	3500K		4000K		5000K	
		Actual Lumens	LPW	Actual Lumens	LPW	Actual Lumens	LPW
4'							
A1	22w	3,036lm	138	3,256lm	148	3,080lm	140
	30w	4,050lm	135	4,350lm	145	4,110lm	137
	40w	5,200lm	130	5,600lm	140	5,280lm	132
8'							
B1	45w	6,210lm	138	6,600lm	147	6,300lm	140
	60w	8,100lm	135	8,700lm	145	8,220lm	137
	75w	9,750lm	130	10,500lm	140	9,900lm	132

Lumen Maintenance[2]

Fixture Size	Nominal Lumen Code	Ambient Operating Temperature	Calculated Lumen Maintenance		
			L70	L80	L90
4'	A1	25°C	190,000	120,000	58,000
		45°C	172,000	108,000	53,000
8'	B1	25°C	190,000	120,000	58,000
		45°C	166,000	105,000	51,000

Ambient Operating Temperatures

Nominal Lumen Code	All Voltages	With Battery Back Up
All Lumen Packages	-20°C to 45°C [-4°F to 113°F]	0°C to 45°C [32°F to 113°F]

Physical Information

Fixture Size	Length	Width	Depth	Weight[3]
4'	48.00"	5.76"	2.40"	5.40lbs.
8'	96.00"	5.76"	2.40"	9.30lbs.

Additional Specification Information

[1] Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values

[2] Calculated hours based on TM-21 projections and components used at the time of testing. Warranty is not associated with Calculated Lumen Maintenance

[3] Weight will vary based on option selection

Ordering Information Example (NOTE: No dashes or spaces unless noted below)
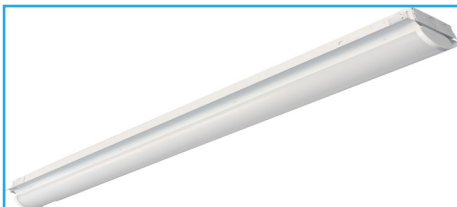
LSSR24A1UNVFD8CSLPFG

Ordering Information (Enter Selected Catalog Number Below)

Series	Fixture Size	Nominal Lumen Code	Voltage	Driver Type	CRI; Color Temp	Lens Options	Fixture Options	Packaging Option

Series	Fixture Size	Nominal Lumen Code[4]**	Voltage	Driver Type	CRI; Color Temp**	Lens Options	Fixture Options	Packaging Option
LSSR2= TritonPro LED Lumen Select Strip Retrofit, GEN 2	**4**= 4' **8**= 8'	**4'** **A1**= 3,000lm/ 4,000lm/ 5,000lm **8'*** **B1**= 6,000lm/ 8,000lm/ 10,000lm ***Note:** 8' retrofit kits ship in two 4' sections	**UNV**= 120v-277v	**FD**= Full Dimming 0-10v	**8CS**= 80CRI; Field Selectable CCT: 3500K, 4000K, 5000K	**LPFG**= Lens, Polycarbonate, Frosted, General Distribution	**(Blank)**= No Option **BB08**= Battery Back Up, 8w, 90 min.[5,6]	**4'** **(blank)**= Bulk Pack (ships 2 per pack- must be ordered in quantities of 2) **8'** **SP**= Single Pack (Two 4' Retrofit Kits)

Note: All fixtures are set to the mid range output at 4000K (ex: **LSSR24A1** = 4,000 lumens at 4000K factory setting)
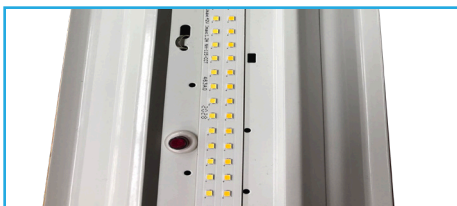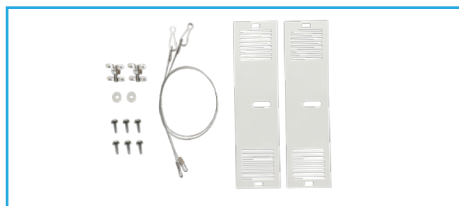
Retrofits Installed

4'

8'

Factory Installed Fixture Options

Battery Back Up (BB08)

Standard Mounting Hardware 4'

Standard Mounting Hardware 8'

Additional Specification Information

[4] For actual performance information, see performance table

[5] BB08 - Emergency mode CCT is only 4000K and 5000K

[6] Multiply battery back up wattage by LPW to calculate lumen output during emergency mode

3

Accessories (Field Installed)

Sensor Options	
OSFLA-ITW	Leviton PIR Occupancy Sensor, ON/OFF, Manual Programmable, 20' & 40' lenses

To order sensor, select one option from each column below and combine part numbers (Example: FSP-221B-D-L2-W)

Pole or Box Mount Sensor Voltage	Nipple Configuration	Lens Option	Color
FSP-221B, Wattstopper PIR Occupancy Sensor, Photosensor, High and Low End Trim, 0-10V Dimming, IR Remote Programmable[5]	-D= Drop Nipple	-L2= 360° Lens, Max Coverage 48' Diameter from 8' Height	-W= White
		-L3= 360° Lens, Max Coverage 40' Diameter from 20' Height	
		-L7= 360° Lens, Max Coverage 100' Diameter from 40' Height	

Sensor Configuration Tool (Ordered Separately)	
FSIR-100	Hand-held Sensor Configuration Tool Required for Adjusting Default Factory Settings, Including Hi/Low/Off Modes and Sensitivity/Time Delay/Cut Off (For Use With FSP-221B)

Accessories (Field Installed)

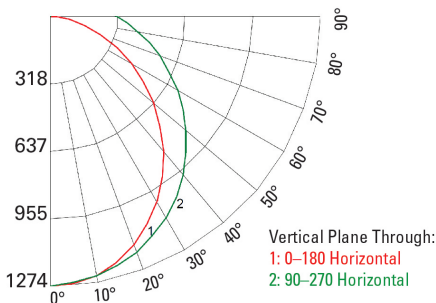Sensor (OSFLA-ITW)

Sensor (FSP-221B-D)

Sensor Remote (FSIR-100)

Photometrics

Visit orionlighting.com to obtain all .IES files

A1 40w 3500K

Vertical Plane Through:
1: 0–180 Horizontal
2: 90–270 Horizontal

Additional Specification Information

[5] Requires remote for commissioning and/or modifying settings. See accessories table

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