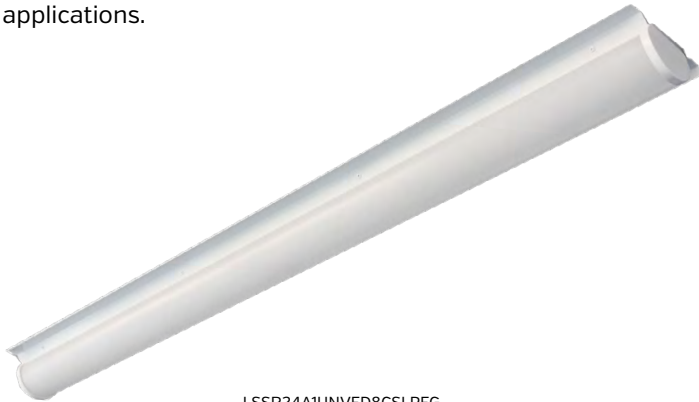


## LSSR2

### 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:	



LSSR24A1UNVFD8CSLPG



### 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

- Field installed Battery Backup available in 10w, Certified in CA Title 20
- 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

**Performance Information, 120v, ≥80 CRI<sup>1</sup>**

Nominal Lumen Code	Wattage	3500K		4000K		5000K	
		Actual Lumens	LPW	Actual Lumens	LPW	Actual Lumens	LPW
<b>4'</b>							
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
<b>8'</b>							
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<sup>2</sup>**

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 Backup
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 <sup>3</sup>
4'	48.00"	5.76"	2.40"	5.40lbs.
8'	96.00"	5.76"	2.40"	9.30lbs.

**Additional Specification Information**

<sup>1</sup> Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values

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

<sup>3</sup> Weight will vary based on option selection

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

**LSSR24A1UNVFD8CSLPFG**

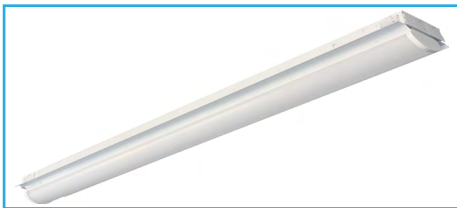
Ordering Information (Enter Selected Catalog Number Below)

Series	Fixture Size	Nominal Lumen Code	Voltage	Driver Type	CRI; Color Temp	Lens Options	Packaging Option
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Series	Fixture Size	Nominal Lumen Code <sup>4**</sup>	Voltage	Driver Type	CRI; Color Temp <sup>**</sup>	Lens Options	Packaging Option
<b>LSSR2=</b> TritonPro™ LED Lumen Select Strip Retrofit, GEN 2	<b>4=</b> 4'	<b>4'</b> <b>A1=</b> 3,000lm/ 4,000lm/ 5,000lm	<b>UNV=</b> 120v-277v	<b>FD=</b> Full Dimming 0-10v	<b>8CS=</b> 80CRI; Field Selectable CCT: 3500K, 4000K, 5000K	<b>LPFG=</b> Lens, Polycarbonate, Frosted, General Distribution	<b>4'</b> <b>(blank)=</b> Bulk Pack (ships 2 per pack- must be ordered in quantities of 2)
	<b>8=</b> 8'	<b>8'*</b> <b>B1=</b> 6,000lm/ 8,000lm/ 10,000lm					<b>8'</b> <b>SP=</b> 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

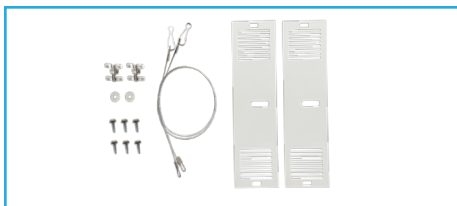


4'



8'

### Factory Installed Fixture Options



Standard Mounting  
Hardware 4'



Standard Mounting  
Hardware 8'

### Additional Specification Information

<sup>4</sup> For actual performance information, see performance table

### Accessories (Field Installed)

Sensor Options			
<a href="#">OSFLA-ITW</a>	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
<a href="#">FSP-221B</a> , Wattstopper PIR Occupancy Sensor, Photosensor, High and Low End Trim, 0-10V Dimming, IR Remote Programmable <sup>5</sup>	-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)			
<a href="#">FSIR-100</a>	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]		
Battery Back Up Kit Options			
<a href="#">LSSR2-UNV-BB10-KIT</a>	Battery Backup 10W Kit		

### Accessories (Field Installed)



**Battery Backup**  
(LSSR2-UNV-BB10-KIT)



**Sensor**  
(OSFLA-ITW)



**Sensor**  
(FSP-221B-D)

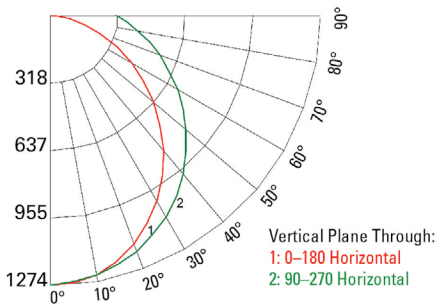


**Sensor Remote**  
(FSIR-100)

### Photometrics

Visit [orionlighting.com](http://orionlighting.com) to obtain all .IES files

A1 40w 3500K



### Additional Specification Information

<sup>5</sup> Requires remote for commissioning and/or modifying settings. See accessories table