

LSSR1

Applications

The HARRIS LSSR1 is the ultimate flexible strip retrofit with lumen output and color corrective 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 existing housings resulting in labor and energy savings. For use in commercial, manufacturing, warehouse and retail applications.



LSSR14A1UNVFD8CSLFP-SP



FIELD ADJUSTABLE
WATTAGE/LIGHT
OUTPUT AND CCT

Features

- Installer has the option to choose between three field selectable power/lumen outputs and three CCT options: 3500K, 4000K, 5000K providing flexibility to adapt to new work environment dynamics
- Retrofit is designed to fit over existing 4.25"-5.25" wide fluorescent strips
- Retrofits 4' and 8' lengths using 4' sections
- Quick and easy install provides labor savings. Safety cables and hardware come standard
- Acrylic frosted contour lens reduces glare in the work environment
- Factory installed battery back up available
- Steel construction with white powder coat finish

Electrical

- Available in 120v-277v
- 0-10v Dimming to 10%
- Power Factor > .90
- Total Harmonic Distortion < 20%
- 1.2kA/2kV surge suppression

Ambient Operating Range

-20°C to 45°C [-4°F to 113°F]

Fixture Certifications & Listings

- UL/cULus Classified
- UL Damp Locations
- DesignLights Consortium™ Premium qualified luminaire
- Visit the [DLC QPL](#) for listed models

Lumen Maintenance

See lumen maintenance table on page 2

Warranty

Orion HARRIS class LED fixtures are covered by a five-year limited warranty. Accessories and individual components are covered by separate OEM supplier warranties



Performance Information, 120v, ≥80 CRI²

Nominal Lumen Code	Wattage	3500K		4000K		5000K		Input Current
		Actual Lumens	LPW	Actual Lumens	LPW	Actual Lumens	LPW	
4'								
A1	22w	3,039lm	140	3,279lm	151	3,088lm	142	0.18A
	31w	4,264lm	136	4,600lm	146	4,333lm	138	0.26A
	40w	5,163lm	130	5,570lm	144	5,246lm	131	0.33A
8'								
B1	43w	6,183lm	142	6,671lm	154	6,282lm	145	0.36A
	57w	7,888lm	138	8,511lm	149	8,015lm	140	0.48A
	76w	9,982lm	132	10,770lm	143	10,142lm	134	0.63A

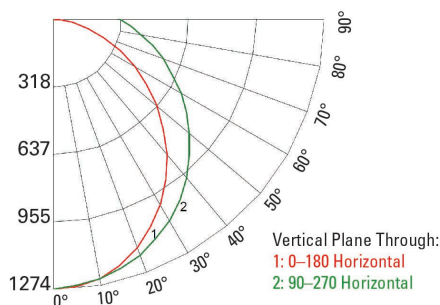
Lumen Maintenance⁵

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

Photometrics

Visit orionlighting.com to obtain all .IES files

A1 31w 5000K



Physical Information

Fixture Size	Length	Width	Depth	Weight ³
4'	48.00"	5.76"	2.40"	5.40lbs.
8'	96.30"	5.76"	2.40"	9.30lbs.

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

Series	Fixture Size	Nominal Lumen Code	Voltage	Driver Type	CRI; Color Temp	Lens Options	Fixture Options	Packaging Option
LSSR1	4	A1	UNV	FD	8CS	LFP	[blank]	-SP

Ordering Information

Series	Fixture Size	Nominal Lumen Code ^{1*}	Voltage	Driver Type	CRI; Color Temp ^{**}	Lens Options	Fixture Options	Packaging Option
LSSR1= HARRIS LED Lumen Select Strip Retrofit, Gen 1	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= 0-10v Dimming Capable [Dims to 10%]	8CS= 80CRI; Field Selectable CCT: 3500K, 4000K, 5000K	LFP= Frosted Acrylic Contour Lens	[Blank]= No Option BB08= Battery Back Up, 8w, 90 min. ^{4,6}	4' -DP= Dual Pack [Two 4' Retrofit Kits] -SP= Single Pack [BB08 Versions] 8' -SP= Single Pack [Two 4' Retrofit Kits]

****Note:** All fixtures are set to the mid range output at 4000K (ex: **LSSR14A1** = 4,000 lumens at 4000K factory setting)

Retrofits Installed

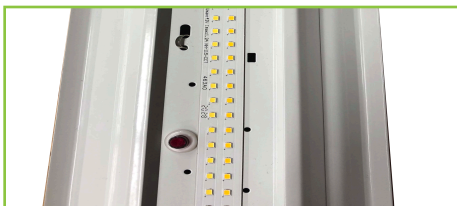


4'



8'

Factory Installed Fixture Options



Battery Back Up (BB08)

Accessories (Field Installed)

Sensor Options			
OSFLA-ITW	White End Mounted PIR ON/OFF Sensor, 120/230/277v, Includes 360° High Bay and Low Bay Lens		
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 , 100-347v, 480v sensor	-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)

Additional Specification Information

¹ For actual lumens, see performance table

² Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values.

³ Weight will vary based on option selection

⁴ Fixture with Battery Back Up cannot be installed in an environment where the ambient temperature falls below 32°F [0°C]

⁵ Calculated hours based on TM-21 projections and components used at the time of testing. Warranty is not associated with Calculated Lumen Maintenance

⁶ **BB08** - Emergency mode CCT is only 4000K and 5000K