

# HARRIS LED STRIP RETROFIT, GEN 2

## SFHR2

### Applications

The HARRIS SFHR2 is ideal for retrofitting existing traditional linear fluorescent strip fixtures to LED. For use in areas such as manufacturing, distribution, warehouse, and retail settings. This manufactured product meets the Build America, Buy America (BABA) requirement.



SFHR24WD03LUNVFD850LAFG2SP -BABA

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



### Construction & Design

- This is a manufactured product in the United States that meets the 55% threshold for Build America Buy America (BABA) compliance
- Available in 4' and 8' fixture lengths and traditional 4.25" and 5.00" widths
- Retrofit light engine is designed to fit over existing linear fluorescent strip fixture channel with various locations on cover to secure to existing channel
- Fixture comes with tethers to hold cover, enables one-person installation
- LED light engine is made of lightweight aluminum, with white finish for better thermal dissipation
- Frosted acrylic matte contoured lens provides LED diffusion in task application

### Additional Options

- Single pack and bulk pack available
- Field Installed Battery Back Up available in 10w, Certified in CA Title 20 [not BABA Compliant]

### Electrical

- Available in 120v-277v
  - Standard 0-10v dimming drivers
  - Power Factor >0.9
  - Total Harmonic Distortion < 20%\*
- \*Note: Varies based on option

### Lumen Maintenance

See Lumen Maintenance table on page 2

### Fixture Certification & Listings

- UL/cUL Listed for Damp Locations
- Build America Buy America Compliant
- 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, LAFG2, 120v,  $\geq 80$  CRI, 4000K<sup>1</sup>

Nominal Lumen Code	Wattage	Lumens	LPW	Input Current
<b>4'</b>				
02L	11w	1,943lm	174	0.09A
03L	20w	3,403lm	168	0.17A
06L	39w	5,945lm	153	0.32A
<b>8'</b>				
03L	20w	3,487lm	176	0.17A
06L	37w	6,211lm	167	0.31A
10L	59w	9,381lm	160	0.49A

## Lumen Maintenance with Lens<sup>2</sup>

Nominal Lumen Code	Fixture Size	Nominal Lumens	Operating Temperature	Calculated Lumen Maintenance		
				L70	L80	L90
02L	4'	2,000	25°C	325,000	149,000	71,000
			55°C	221,000	139,000	66,000
03L	4'	3,000	25°C	238,000	149,000	71,000
			55°C	212,000	133,000	63,000
06L	4'	6,000	25°C	186,000	117,000	56,000
			55°C	167,000	105,000	50,000
03L	8'	3,000	25°C	209,000	131,000	62,000
			55°C	152,000	95,000	45,000
06L	8'	6,000	25°C	238,000	149,000	70,000
			55°C	212,000	133,000	63,000
10L	8'	10,000	25°C	238,000	149,000	70,000
			55°C	203,000	80,000	60,000

## Additional Specification Information

<sup>1</sup> Actual performance may vary by up to  $\pm 10\%$  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

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Ordering Information Example (NOTE: No dashes or spaces unless noted below)  
**SFHR24WD03LUNVFD850LAFG2SP-BABA**

Ordering Information (Enter Selected Catalog Number Below)

Series	Fixture Size	Channel Width	Nominal Lumen Code	Voltage	Driver Type	CRI; Color Temp	Lens Options	Packaging Options	Fixture Certifications
<b>SFHR2=</b> HARRIS LED Strip Retrofit Series, Gen 2	<b>4=</b> 4' <b>8=</b> 8'	<b>SD=</b> 4.25" Wide <b>WD=</b> 5.00" Wide	<b>4'</b> <b>02L=</b> 2,000lm <b>03L=</b> 3,000lm <b>06L=</b> 6,000lm  <b>8'</b> <b>03L=</b> 3,000lm <b>06L=</b> 6,000lm <b>10L=</b> 10,000lm	<b>UNV=</b> 120v-277v	<b>FD=</b> Full Dimming	<b>835=</b> 80CRI; 3500K <b>840=</b> 80CRI; 4000K <b>850=</b> 80CRI; 5000K	<b>LAFG2=</b> Lens, Acrylic Frosted General 120° 2" Wide	<b>[Blank]=</b> Bulk Pack <b>SP=</b> Single Pack	<b>-BABA=</b> Buy America Build America Compliant  <u>Note: This is a manufactured product in the United States that exceeds the 55% threshold for Build America Buy America [BABA] compliance</u>

### Additional Specification Information

<sup>3</sup> For actual lumens, see performance table

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### Physical Information

Length	Width	Depth	Weight <sup>4</sup>
4'	4.00" or 5.25"	2.38"	3.20lbs.
8'		2.38"	4.80lbs.

### Ambient Operating Temperatures

Nominal Lumen Code	All Voltages	Field Installed Battery Back Up
All Lumen Packages	-20°C to 55°C [-4°F to 131°F]	Min. Operating Temp. 0°C [32°F]

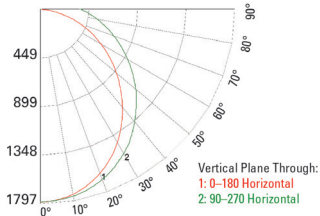
### Not BABA Compliant Accessories (Field Installed)

Field Installed Battery Back Up Kit	
SFHR2-UNV-BB10-KIT	Battery Back Up Kit, 10w for Field Installation

### Photometrics

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

06L 850 LAFG2



### Additional Specification Information

<sup>4</sup>Weight will vary based on option selected