

## SFHR1

### Applications

The HARRIS SFHR1 is ideal for retrofitting existing linear fluorescent strip fixtures to LED. For use in areas such as manufacturing, distribution, warehouse, and retail settings.



Product Shown: SFHR14D1WDUNVFDXXCT850

### Features

- Available in 3', 4' and 8' fixture lengths and 4.25" and 5.00" widths
- Various lumen packages available
- Factory installed integrated sensors or field installed end mounted sensors available
- Field installed wireguard kit options available
- Fixture comes with tethers to hold cover, enables one-person installation
- Optional frosted acrylic matte contoured lens provides glare diffusion in task application
- Single pack and bulk pack available
- LED light engine is made of lightweight aluminum, with pre-coated white finish for better thermal dissipation
- Retrofit light engine is designed to fit over existing linear fluorescent strip fixture channel with various locations on cover to secure to existing channel

### Electrical

- Available in 120v-277v
- Full dimming driver (0-10v) is standard

### Ambient Operating Range

See ambient operating table on page 2

### Fixture Certification & Listings

- UL/cUL Listed for Damp Locations
- Buy American Act Compliant
- DesignLights Consortium™ Standard qualified luminaire
- Visit the [DLC QPL](#) for listed models

### Rated Life

L70 > 100,000 hours

### 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, With Lens<sup>3</sup>

Series	Nominal Lumen Code	Actual Lumens	Input Voltage	Wattage	LPW	CCT	CRI	Input Current	Power Factor
<b>3'</b>									
SFHR1	A1	1,584lm	120v	15w	107	4000K	≥80	0.13A	>.90
SFHR1	B1	3,127lm	120v	27w	114	4000K	≥80	0.23A	>.90
<b>4'</b>									
SFHR1	C1	1,653lm	120v	14w	118	4000K	≥80	0.12A	>.90
SFHR1	D1	3,204lm	120v	29w	112	4000K	≥80	0.23A	>.90
SFHR1	E1	5,562lm	120v	52w	107	4000K	≥80	0.43A	>.90
<b>8'</b>									
SFHR1	F1	3,325lm	120v	26w	128	4000K	≥80	0.22A	>.90
SFHR1	G1	6,209lm	120v	54w	114	4000K	≥80	0.45A	>.90
SFHR1	H1	9,542lm	120v	82w	117	4000K	≥80	0.68A	>.90

### Performance Information, Without Lens<sup>3</sup>

Series	Nominal Lumen Code	Actual Lumens	Input Voltage	Wattage	LPW	CCT	CRI	Input Current	Power Factor
<b>3'</b>									
SFHR1	A1	1,795lm	120v	16w	112	4000K	≥80	0.13A	>.90
SFHR1	B1	3,412lm	120v	27w	124	4000K	≥80	0.23A	>.90
<b>4'</b>									
SFHR1	C1	1,803lm	120v	14w	129	4000K	≥80	0.12A	>.90
SFHR1	D1	3,209lm	120v	28w	114	4000K	≥80	0.23A	>.90
SFHR1	E1	6,035lm	120v	52w	116	4000K	≥80	0.43A	>.90
<b>8'</b>									
SFHR1	F1	3,581lm	120v	26w	138	4000K	≥80	0.22A	>.90
SFHR1	G1	6,774lm	120v	54w	125	4000K	≥80	0.45A	>.90
SFHR1	H1	10,411lm	120v	82w	128	4000K	≥80	0.68A	>.90

### Ambient Operating Temperatures<sup>5,7</sup>

Nominal Lumen Code	Standard Range
A1	-20°C to 55°C [-4°F to 131°F]
B1	-20°C to 55°C [-4°F to 131°F]

Nominal Lumen Code	Standard Range
C1	-20°C to 55°C [-4°F to 131°F]
D1	-20°C to 55°C [-4°F to 131°F]
E1	-20°C to 45°C [-4°F to 113°F]

Nominal Lumen Code	Standard Range
F1	-20°C to 55°C [-4°F to 131°F]
G1	-20°C to 45°C [-4°F to 113°F]
H1	-20°C to 45°C [-4°F to 113°F]

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

Series	Fixture Size	Nominal Lumen Code	Channel Width	Voltage	Driver Type	Lens Options	CRI; Color Temp	Fixture Options	Controls Options	Packaging Options
SFHR1	3	A1	SD	UNV	FDXX	CT	850	BBXX	[Blank]	-SP

### Ordering Information

Series	Fixture Size	Nominal Lumen Code <sup>1</sup>	Channel Width	Voltage	Driver Type <sup>2</sup>	Lens Options	CRI; Color Temp	Fixture Options	Controls Options	Packaging Options		
<b>SFHR1=</b> HARRIS LED Strip Retrofit Series, Gen 1	<b>3=</b> 3 ft.	<b>3 ft.</b>	<b>SD=</b> 4.25" Wide	<b>UNV=</b> 120v-277v	<b>FDXX=</b> Full Dimming 0-10v	<b>NL=</b> No Lens	<b>835=</b> 80CRI; 3500K	<b>(Blank)=</b> No Options	<b>(Blank)=</b> No Control Options	<b>(Blank)=</b> Bulk Pack		
		<b>A1=</b> 1,600lm									<b>WD=</b> 5.00" Wide	
		<b>B1=</b> 3,000lm										
	<b>4=</b> 4 ft.	<b>4 ft.</b>	<b>4 ft.</b>	<b>4 ft.</b>	<b>4 ft.</b>	<b>4 ft.</b>	<b>CT=</b> Frosted Acrylic Contour Lens	<b>840=</b> 80CRI; 4000K	<b>BBXX=</b> Battery Back Up <sup>2,5</sup>	<b>EN1=</b> Enlighted One PIR Sensor, HIGH/LOW/OFF, Active Dimming And Daylighting, Wireless Grouping, See <b>EN1</b> Accessories Table <sup>7,8</sup>	<b>-SP=</b> Single Pack	
		<b>B1=</b> 3,000lm										
		<b>E1=</b> 6,000lm										
	<b>8=</b> 8 ft.	<b>8 ft.</b>	<b>8 ft.</b>	<b>8 ft.</b>	<b>8 ft.</b>	<b>8 ft.</b>	<b>8 ft.</b>	<b>850=</b> 80CRI; 5000K	<b>EN2=</b> Enlighted Connected: All Features of <b>EN1</b> - PLUS BLE Radio, Temperature Sensor, Scene Control, Demand Response, Data Collection, BMS Integration, Cloud Access <sup>7</sup>	<b>EN3=</b> Enlighted IoT: All Features of <b>EN2</b> - PLUS access to Apps: Space Management, Asset Tracking, and Contact Tracing Apps <sup>7</sup>	<b>-P2=</b> Philips EasySense SNS200 Sensor	
		<b>F1=</b> 3,000lm										<b>-L1=</b> Lutron Vive Integral Control [RF Only]
		<b>G1=</b> 6,000lm										
			<b>H1=</b> 9,000lm									

Accessories (Factory Installed)



Sensor Option  
[ENx]



Sensor Option  
[-P2]



Sensor Option  
[-L2]

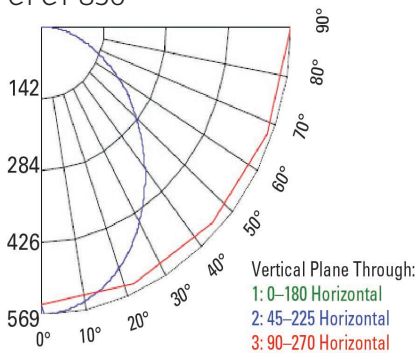


Sensor Option  
[-L1]

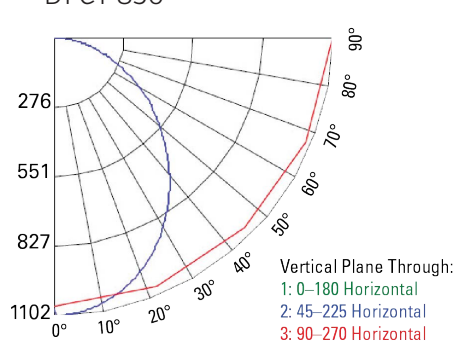
Photometrics

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

C1 CT 850



D1 CT 850



Physical Information

Length	Width <sup>4</sup>	Depth with No Lens	Depth with Lens	Weight <sup>4</sup>
3'	Varies	1.38"	2.38"	2.10lbs.
4'	Varies	1.38"	2.38"	3.20lbs.
8'	Varies	1.38"	2.38"	4.80lbs.

### Accessories (Field Installed)

EN1 Accessories Required for Commissioning <sup>7</sup>			
WS-2-00-IL	Enlighted Wall Switch Room Controller - For Use with EN1 Enlighted Sensor (Quantity Needed Varies by Facility Layout and Fixture Group Size) Note: Max. of 4 switches per zone/group		
LP-1-00	Green Laser for Commissioning EN1 Enlighted Sensor		
<b>Note:</b> Contact your Orion representative regarding additional commissioning, quantities and back end control system pricing			
Sensor Options			
<a href="#">OSFLA-ITW</a>	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
<a href="#">FSP-221B</a> , 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)			
<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)		
Wireguard Options <sup>6</sup>			
<a href="#">LED-SFHR-WG01-KIT-SP</a>	4' Fixture Wireguard Standard Model (4.25" Wide) Single Pack		
<a href="#">LED-SFHR-WG01-KIT</a>	4' Fixture Wireguard Standard Model (4.25" Wide), Bulk Pack		
<a href="#">LED-SFHR-WG02-KIT-SP</a>	4' Fixture Wireguard Wide Model (5.25" Wide), Single Pack		
<a href="#">LED-SFHR-WG02-KIT</a>	4' Fixture Wireguard Wide Model (5.25" Wide), Bulk Pack		

### Accessories (Field Installed)



**Wireguard**  
(LED-SFHC-WG01-KIT-SP)<sup>6</sup>



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



**Sensor Configuration Tool**  
(FSIR-100)



**Sensor**  
(OSFLA-ITW)

### Additional Specification Information

<sup>1</sup> For actual lumens, see performance table

<sup>2</sup> "XX" is a character placeholder for the manufacturing configuration

<sup>3</sup> Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values.

<sup>4</sup> Width/weight will vary based on option selection

<sup>5</sup> Fixture with Battery Back Up cannot be installed in an environment where the ambient temperature falls below 32°F

<sup>6</sup> All wireguards are shipped in 4' increments. For 8' fixtures, two 4' wireguards are required.

<sup>7</sup> ENx is limited to 0°C (32°F) environments

<sup>8</sup> EN1 allows for 50 fixtures max. per group. Contact Customer Service regarding commissioning