

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 5.25" widths
- Various lumen packages available
- Field installed end mounted sensor 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 packaging options 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

100,000 hours L70

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 Lens³

Series	Nominal Lumen Code	Actual Lumens	Input Voltage	Wattage	LPW	CCT	CRI	Input Current	Power Factor
3'									
SFHR1	A1	1,584lm	120v	15w	107	4000K	≥80	0.13A	>.90
SFHR1	B1	3,127lm	120v	27w	114	4000K	≥80	0.23A	>.90
4'									
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
8'									
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 Lens³

Series	Nominal Lumen Code	Actual Lumens	Input Voltage	Wattage	LPW	CCT	CRI	Input Current	Power Factor
3'									
SFHR1	A1	1,795lm	120v	16w	112	4000K	≥80	0.13A	>.90
SFHR1	B1	3,412lm	120v	27w	124	4000K	≥80	0.23A	>.90
4'									
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
8'									
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 Temperatures⁵

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	Packaging Options
SFHR1	3	A1	SD	UNV	FDXX	CT	850	BBXX	-SP

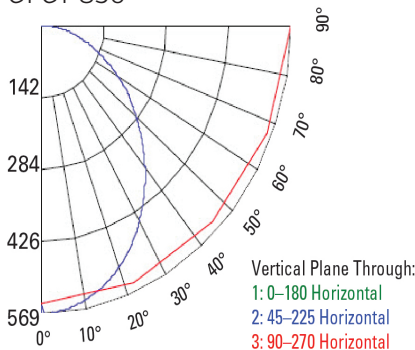
Ordering Information

Series	Fixture Size	Nominal Lumen Code ¹	Channel Width	Voltage	Driver Type ²	Lens Options	CRI; Color Temp	Fixture Options	Packaging Options
SFHR1= HARRIS LED Strip Retrofit Series, Gen 1	3= 3 ft. 4= 4 ft. 8= 8 ft.	3 ft. A1= 1,600lm B1= 3,000lm 4 ft. C1= 1,600lm D1= 3,000lm E1= 6,000lm 8 ft. F1= 3,000lm G1= 6,000lm H1= 9,000lm	SD= 4.25" Wide WD= 5.25" Wide	UNV= 120v-277v	FDXX= Full Dimming 0-10v	NL= No Lens CT= Frosted Acrylic Contour Lens	835= 80CRI; 3500K 840= 80CRI; 4000K 850= 80CRI; 5000K	[Blank]= No Options BBXX= Battery Back Up ^{2,5}	[Blank]= Bulk Pack -SP= Single Pack

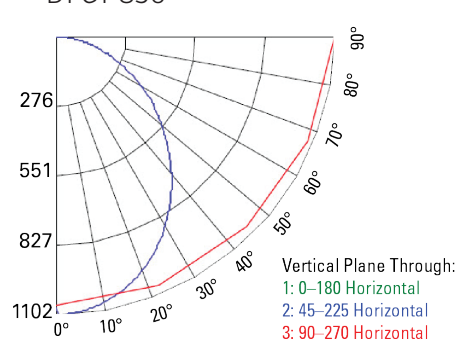
Photometrics

Visit orionlighting.com to obtain all .IES files

C1 CT 850



D1 CT 850



Physical Information

Length	Width ⁴	Depth with No Lens	Depth with Lens	Weight ⁴
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)

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]		
Wireguard Options ⁶			
LED-SFHR-WG01-KIT-SP	4' Fixture Wireguard Standard Model [4.25" Wide] Single Pack		
LED-SFHR-WG01-KIT	4' Fixture Wireguard Standard Model [4.25" Wide], Bulk Packaging		
LED-SFHR-WG02-KIT-SP	4' Fixture Wireguard Wide Model [5.25" Wide], Single Pack		
LED-SFHR-WG02-KIT	4' Fixture Wireguard Wide Model [5.25" Wide], Bulk Packaging		

Accessories (Field Installed)



Wireguard
[LED-SFHR-WG01-KIT-SP]⁶



Sensor
[FSP-221B-D]



Sensor Configuration Tool
[FSIR-100]



Sensor
[OSFLA-ITW]

Additional Specification Information

¹ For actual lumens, see performance table

² "XX" is a character placeholder for the manufacturing configuration

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

⁴ Width/weight will vary based on option selection

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

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