SFHC1

Applications

The HARRIS SFHC1 is an ideal luminaire for new construction and retrofit applications. For use in areas such as manufacturing, distribution, warehouse, and retail settings.

Product Shown: SFHC14D1SDUNVFDXXCT850

Features

- Available in 3', 4' and 8' fixture lengths that can connect in tandem to create electrical raceway
- 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
- Fixture is designed with various knock outs for ease of connection to electrical power
- Design allows for an easy surface or suspended mount installation of fixture

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.

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Performance Information, With Lens[3]

Series	Nominal Lumen Code	Actual Lumens	Input Voltage	Wattage	LPW	CCT	CRI	Input Current	Power Factor
				3'					
SFHC1	A1	1,584lm	120v	15w	107	4000K	≥80	0.13A	>.90
SFHC1	B1	3,127lm	120v	27w	114	4000K	≥80	0.23A	>.90
				4'					
SFHC1	C1	1,653lm	120v	14w	118	4000K	≥80	0.12A	>.90
SFHC1	D1	3,204lm	120v	29w	112	4000K	≥80	0.23A	>.90
SFHC1	E1	5,562lm	120v	52w	107	4000K	≥80	0.43A	>.90
				8'					
SFHC1	F1	3,325lm	120v	26w	128	4000K	≥80	0.22A	>.90
SFHC1	G1	6,209lm	120v	54w	114	4000K	≥80	0.45A	>.90
SFHC1	H1	9,542lm	120v	82w	117	4000K	≥80	0.68A	>.90

Performance Information, Without Lens[3]

Series	Nominal Lumen Code	Actual Lumens	Input Voltage	Wattage	LPW	CCT	CRI	Input Current	Power Factor
				3'					
SFHC1	A1	1,795lm	120v	16w	112	4000K	≥80	0.13A	>.90
SFHC1	B1	3,412lm	120v	27w	124	4000K	≥80	0.23A	>.90
				4'					
SFHC1	C1	1,803lm	120v	14w	129	4000K	≥80	0.12A	>.90
SFHC1	D1	3,209lm	120v	28w	114	4000K	≥80	0.23A	>.90
SFHC1	E1	6,035lm	120v	52w	116	4000K	≥80	0.43A	>.90
				8'					
SFHC1	F1	3,581lm	120v	26w	138	4000K	≥80	0.22A	>.90
SFHC1	G1	6,774lm	120v	54w	125	4000K	≥80	0.45A	>.90
SFHC1	H1	10,411lm	120v	82w	128	4000K	≥80	0.68A	>.90

Ambient Operating Temperatures[5]

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)
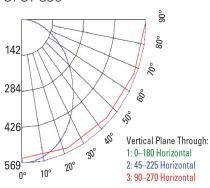
Series	Fixture Size	Nominal Lumen Code	Channel Width	Voltage	Driver Type	Lens Options	CRI; Color Temp	Power Connection	Fixture Options	Packaging Options
SFHC1	3	A1	SD	UNV	FDXX	CT	850	06W	BBXX	-SP

Ordering Information

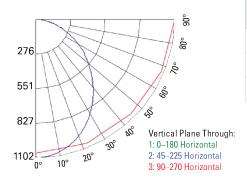| Series	Fixture Size	Nominal Lumen Code¹	Channel Width	Voltage	Driver Type²	Lens Options	CRI; Color Temp	Power Connection	Fixture Options	Packaging Options
SFHC1= HARRIS LED Strip Luminaire, Gen 1	**3**= 3 ft. **4**= 4 ft. **8**= 8 ft.	**3 ft.** **A1**= 1,600lm **B1**= 3,000lm **4 ft.** **C1**= 1,600lm **D1**= 3,000lm **E1**= 6,000lm **8 ft.** **F1**= 3,000lm **G1**= 6,000lm **H1**= 9,000lm	**SD**= 4.25" wide	**UNV**= 120v-277v	**FDXX**= Full Dimming 0-10v	**NL**= No Lens **CT**= Contour Lens, Frosted Acrylic	**835**= 80CRI; 3500K **840**= 80CRI; 4000K **850**= 80CRI; 5000K	{**Blank**}= Hardwire **06W**= 6' Whip, White Power Cord Assembly **06B**= 6' Whip, Black Power Cord Assembly **11W**= 11' Whip, White Power Cord Assembly **11B**= 11' Whip, Black Power Cord Assembly * All power cords ship separate as a kit.	[Blank]= No Fixture Options **BBXX**= Battery Back Up²,⁵	[Blank]= Bulk Packaging **-SP**= Single Pack

Photometrics

Visit orionlighting.com to obtain all .IES files

C1 CT 850

Vertical Plane Through:
1: 0–180 Horizontal
2: 45–225 Horizontal
3: 90–270 Horizontal

D1 CT 850

Vertical Plane Through:
1: 0–180 Horizontal
2: 45–225 Horizontal
3: 90–270 Horizontal

Physical Information

Length	Width	Depth with No Lens	Depth with Lens	Weight⁴
3'	4.25"	2.00"	3.00"	4.20lbs.
4'	4.25"	2.00"	3.00"	5.60lbs.
8'	4.25"	2.00"	3.00"	10.40lbs.

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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)

Suspended Mounting Option	
HW-FC009	Suspended Mounting Cable; 1 Hanging System Per Fixture Needed

Wireguard Options	
LED-SFHC-WG01-KIT-SP[6]	4' Wireguard Kit for Fixture, Single Pack
LED-SFHC-WG01-KIT[6]	4' Wireguard Kit for Fixture, Bulk Packaging

Accessories (Field Installed)

**Wireguard
(LED-SFHC-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] 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.