

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
- 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
- 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)

Ambient Operating Range

See ambient operating table on page 2

Fixture Certification & Listings

- UL/cUL Listed for Damp Locations
- Buy American Act Compliant

Warranty

See Orion's [Product Limited Warranty](#) for more details and information



Performance Information, With Lens³

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 Lens³

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^{5,7}

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	Control Options	Packaging Options
SFHC1	3	A1	SD	UNV	FDXX	CT	850	06W	BBXX	[Blank]	-SP

Ordering Information

Series	Fixture Size	Nominal Lumen Code ¹	Channel Width	Voltage	Driver Type ²	Lens Options	CRI; Color Temp	Power Connection	Fixture Options	Control 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 Up ^{2,5}	[See Page 4 for part numbers and descriptions]	{Blank} = Bulk Pack -SP = Single Pack

Control Options

(Blank)=

No Control Options

EN2=

Enlighted Connected Lighting Sensor: Network Lighting Control Component, PIR Occupancy Sensor, Daylight Harvesting, High End Trim, Dimming Modes, Luminaire Level Lighting Control, Wireless Zones, Modified IEEE 802.15.4.1, BLE Radio, Temperature Sensor, Scene Control, Demand Response, Data Collection, BMS Integration, Cloud Access⁷

EN3=

Enlighted IoT: All Features of EN2 - Network Lighting Control PLUS access to Apps: Space Management, Asset Tracking, and Contact Tracing Apps⁷

-P2=

Philips EasySense SNS200: PIR Occupancy Sensor, Daylight Harvesting, High and Low End Trim, Luminaire Level Lighting Control, Wireless Zones, SR Dimming, ZigBee, Android App Programmable with IR Dongle or NFC Radio

-P3=

Philips EasySense SNS210: PIR Occupancy Sensor, Daylight Harvesting, High and Low End Trim, Luminaire Level Lighting Control, Wireless Zones, SR Dimming, ZigBee, Apple iOS and Android Bluetooth App Programmable

-L1=

Lutron Vive: Integral RF Control, Network Lighting Control Component, Wireless Zones, DALI SR Dimming

-L2=

Lutron Vive: Integral PIR Occupancy Sensor, Daylight Harvesting, High and Low End Trim, Network Lighting Control Component, Wireless Zones, DALI SR Dimming

Note: For more information on options above, select the hyperlinks

Accessories (Factory Installed)



Sensor Option⁷
[ENx]



Sensor Option
[-P2/-P3]



Sensor Option
[-L2]

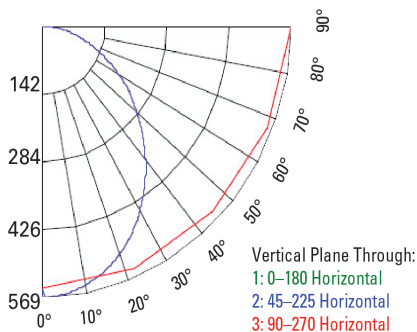


Sensor Option
[-L1]

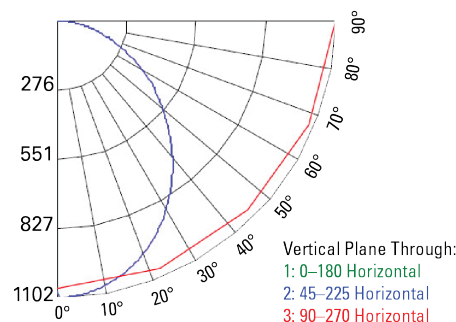
Photometrics

Visit orionlighting.com to obtain all .IES files

C1 CT 850



D1 CT 850



Physical Information⁴

Length	Width	Depth with No Lens	Depth with Lens	Weight
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.

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 High/Low/Off remote programmable 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 ⁶			
LED-SFHC-WG01-KIT-SP	4' Wireguard Kit for Fixture, Single Pack		
LED-SFHC-WG01-KIT	4' Wireguard Kit for Fixture, Bulk Pack		

Accessories (Field Installed)



Wireguard
(LED-SFHC-WG01-KIT-SP)⁶



Sensor
(FSP-221B-D-Lx-W)



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.

⁷ ENx is limited to 0°C [32°F] environments