

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) 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 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.	3 ft. A1 = 1,600lm B1 = 3,000lm	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	{Blank} = No Fixture Options BBXX = Battery Back Up ^{2,5}	{Blank} = No Control Options EN1 = Enlighted One PIR Sensor, HIGH/LOW/OFF, Active Dimming And Daylighting, Wireless Grouping, See EN1 Accessories Table ^{7, 8} EN2 = Enlighted Connected: All Features of EN1 - PLUS BLE Radio, Temperature Sensor, Scene Control, Demand Response, Data Collection, BMS Integration, Cloud Access ⁷ EN3 = Enlighted IoT: All Features of EN2 - PLUS access to Apps: Space Management, Asset Tracking, and Contact Tracing Apps ⁷ -P2 = Philips EasySense SNS200 Sensor -L1 = Lutron Vive Integral Control (RF Only) -L2 = Lutron Vive Integral Sensor (RF Plus Sensor)	{Blank} = Bulk Pack -SP = Single Pack
	4 = 4 ft.	4 ft. C1 = 1,600lm D1 = 3,000lm E1 = 6,000lm									
	8 = 8 ft.	8 ft. F1 = 3,000lm G1 = 6,000lm H1 = 9,000lm									

* All power cords ship separate as a kit.

Accessories (Factory Installed)



Sensor Option⁷
[ENx]



Sensor Option
[-P2]



Sensor Option
[-L2]

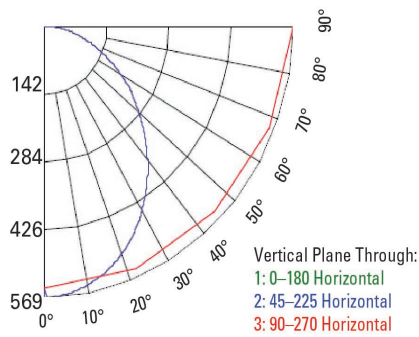


Sensor Option
[-L1]

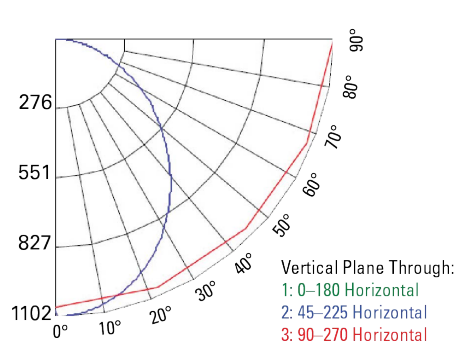
Photometrics

Visit orionlighting.com to obtain all .IES files

C1 CT 850



D1 CT 850



Physical Information

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

EN1 Accessories Required for Commissioning ⁷			
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		
Note: Contact your Orion representative regarding additional commissioning, quantities and back end control system pricing			
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 Pack		

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.

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

⁸ EN1 allows for 50 fixtures max. per group. Contact Customer Service regarding commissioning