

## SFHC2

### Applications

The HARRIS SFHC2 strip fixture is an ideal luminaire for new construction applications. For use in areas such as manufacturing, distribution, warehouse, and retail settings.



SFHC24SD03LUNVFD850LAFG2HW

|                 |  |
|-----------------|--|
| Project Name:   |  |
| Catalog Number: |  |
| Type:           |  |
| Note:           |  |
| Date:           |  |



### Construction & Design

- Available in 4' and 8' fixture lengths that can connect in tandem to create electrical raceway
- Fixture comes with tethers to hold cover, enables one-person installation
- 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

### Additional Options

- Field installed wireguard kit options available
- Optional frosted acrylic matte contoured lens provides glare diffusion in task application
- Single pack and bulk pack available
- Factory installed Battery Back Up available in 10w, Certified in CA Title 20

### Electrical

- Available in 120v-277v
  - Standard 0-10v dimming drivers
  - Power Factor >0.9\*
  - Total Harmonic Distortion < 20%\*
- \*Note: Varies based on option

### Control and Sensor Options

- Factory installed control and sensor options
- Control and sensor options are available to be installed in the field
- Manual Programming Sensor
- Remote Programming Sensor
- Remote Programming with Zoning

### Lumen Maintenance

See Lumen Maintenance table on page 2

### Fixture Certification & Listings

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

### Warranty

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

### Performance Information, 120v, $\geq 80$ CRI, 4000K<sup>1</sup>

| Nominal Lumen Code | Wattage | No Lens |     | LAFG3   |     | LAFG2   |     | Input Current |
|--------------------|---------|---------|-----|---------|-----|---------|-----|---------------|
|                    |         | Lumens  | LPW | Lumens  | LPW | Lumens  | LPW |               |
| <b>4'</b>          |         |         |     |         |     |         |     |               |
| 02L                | 11w     | 2,009lm | 180 | 1,826lm | 163 | 1,943lm | 174 | 0.09A         |
| 03L                | 20w     | 3,517lm | 173 | 3,198lm | 158 | 3,403lm | 168 | 0.17A         |
| 06L                | 39w     | 6,144lm | 158 | 5,675lm | 146 | 5,945lm | 153 | 0.32A         |
| <b>8'</b>          |         |         |     |         |     |         |     |               |
| 03L                | 20w     | 3,604lm | 182 | 3,276lm | 165 | 3,487lm | 176 | 0.17A         |
| 06L                | 37w     | 6,429lm | 173 | 5,845lm | 158 | 6,211lm | 167 | 0.31A         |
| 10L                | 59w     | 9,695lm | 165 | 8,588lm | 146 | 9,381lm | 160 | 0.49A         |

### Lumen Maintenance with No Lens<sup>2</sup>

| Nominal Lumen Code | Fixture Size | Nominal Lumens | Operating Temperature | Calculated Lumen Maintenance |         |        |
|--------------------|--------------|----------------|-----------------------|------------------------------|---------|--------|
|                    |              |                |                       | L70                          | L80     | L90    |
| 02L                | 4'           | 2,000          | 25°C                  | 325,000                      | 149,000 | 71,000 |
|                    |              |                | 55°C                  | 221,000                      | 139,000 | 66,000 |
| 03L                | 4'           | 3,000          | 25°C                  | 238,000                      | 149,000 | 71,000 |
|                    |              |                | 55°C                  | 212,000                      | 133,000 | 63,000 |
| 06L                | 4'           | 6,000          | 25°C                  | 186,000                      | 117,000 | 56,000 |
|                    |              |                | 55°C                  | 167,000                      | 105,000 | 50,000 |
| 03L                | 8'           | 3,000          | 25°C                  | 209,000                      | 131,000 | 62,000 |
|                    |              |                | 55°C                  | 152,000                      | 95,000  | 45,000 |
| 06L                | 8'           | 6,000          | 25°C                  | 238,000                      | 149,000 | 70,000 |
|                    |              |                | 55°C                  | 212,000                      | 133,000 | 63,000 |
| 10L                | 8'           | 10,000         | 25°C                  | 238,000                      | 149,000 | 70,000 |
|                    |              |                | 55°C                  | 203,000                      | 80,000  | 60,000 |

### Additional Specification Information

<sup>1</sup> Actual performance may vary by up to  $\pm 10\%$  of values listed; facility factors and fixture options can affect performance values.

<sup>2</sup> Calculated hours based on TM-21 projections and components used at the time of testing. Warranty is not associated with Calculated Lumen Maintenance

Ordering Information Example (NOTE: No dashes or spaces unless noted below)  
**SFHC24SD02LUNVFD840LAFG2HWSP**

Ordering Information (Enter Selected Catalog Number Below)

| Series   | Fixture Size                       | Channel Width            | Nominal Lumen Code <sup>3</sup>   | Voltage                  | Driver Type                | CRI; Color Temp   | Lens Options   | Power Connection                                     | Fixture Options  | Factory Installed Sensor/Control Options              | Packaging Options   |
|--|------------------------------------|--------------------------|---|--------------------------|----------------------------|---|--|--|--|---|---|
| <b>SFHC2=</b><br>HARRIS LED Strip Luminaire, Gen 2 | <b>4=</b><br>4'<br><b>8=</b><br>8' | <b>SD=</b><br>4.25" wide | <b>4'</b><br><b>02L=</b><br>2,000lm<br><b>03L=</b><br>3,000lm<br><b>06L=</b><br>6,000lm<br><br><b>8'</b><br><b>03L=</b><br>3,000lm<br><b>06L=</b><br>6,000lm<br><b>10L=</b><br>10,000lm | <b>UNV=</b><br>120v-277v | <b>FD=</b><br>Full Dimming | <b>835=</b><br>80CRI; 3500K<br><b>840=</b><br>80CRI; 4000K<br><b>850=</b><br>80CRI; 5000K | <b>[Blank]=</b><br>No Lens<br><b>LAFG2=</b><br>Lens, Acrylic Frosted General 120° 2" Wide<br><b>LAFG3=</b><br>Lens, Acrylic Frosted General 120° 3" Wide | <b>[See below for part numbers and descriptions]</b> | <b>[Blank]=</b><br>No Fixture Options<br><b>BB10=</b><br>Battery Back Up, 10w <sup>4</sup> | <b>[See page 4 for part numbers and descriptions]</b> | <b>[Blank]=</b><br>Bulk Pack<br><b>SP=</b><br>Single Pack |

## Power Connection Ordering Information

Power Connection Options

**HW=** Hardwire (includes dimming leads)

**Or build a cord below (ships separate as a kit):**

| Whip Length         | Whip Color      | Whip Type                                  | Plug Option*<br>[Plug Only Available for Non-Dimming Cords] | Plug Amperage*<br>[Select Amperage only if plug is selected] | Voltage<br>[Select Voltage only if plug is selected] |
|---------------------|-----------------|--|---|--|--|
| <b>06=</b> 6' whip  | <b>W=</b> White | <b>[Blank]=</b> Non-dimming 3 leads (18/3) | <b>[Blank]=</b> No plug                                     | <b>15=</b> 15 amps   | <b>1=</b> 120v                                       |
| <b>11=</b> 11' whip | <b>B=</b> Black | <b>D=</b> Dimming 5 leads (18/5)           | <b>TL=</b> TwistLock plug                                   | <b>20=</b> 20 amps   | <b>2=</b> 277v                                       |
|                     |                 | <b>EM=</b> Emergency 4 leads (18/4)**      | <b>SB=</b> Straight blade plug                              |  |  |

\* If a sensor will be specified, please specify a power connection without dimming leads

\*\*If a plug is required for an emergency whip type (EM), please contact the factory.

## Additional Specification Information

<sup>3</sup> For actual lumens, see performance table

<sup>4</sup> Multiply 10w by the lumens per watt (LPW) of the fixture to calculate lumen output in emergency mode

### Sensor and Control Ordering Information

#### Factory Installed Sensor/Control Options<sup>5</sup>

**[Blank]=**

No Control Options

**VL=**

Keilton: PIR Occupancy Sensor, Daylight Harvesting, High and Low End Trim, 0-10V Dimming, IR Remote Programmable<sup>6</sup>

**VBM=**

Keilton Bluetooth Mesh Network: Wireless Fixture Controller, PIR Occupancy Sensor, HIGH/LOW/OFF, 0-10v Dimming, Daylight Harvesting, High End Trim, Luminare Level Lighting Control, Wireless Zones, Time-of-Day Scheduling, Keilton Mobile App Programmable

**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

### Accessories (Factory Installed)



Sensor Option  
[P3]



Sensor Option  
[L2]



Sensor Option  
[L1]



Sensor Option  
[VL]



Sensor Option  
[VBM]



Lens Option  
[LAFG3]



Lens Option  
[LAFG2]

### Additional Specification Information

<sup>5</sup> Visit our [Lighting Controls](#) page for more information

<sup>6</sup> Requires remote for commissioning and/or modifying settings. See accessories table.

### Accessories (Field Installed)

| Remote Required for Commissioning   |  |  |           |
|---|--|--|-----------|
| <a href="#">RM51</a>  | Vealite Keilton Sensor IR Remote Controller  |  |           |
| <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] |  |           |
| Keilton Ecosystem Accessories   |  |  |           |
| All accessories can be commissioned and controlled via the Keilton app as they are part of the same ecosystem as the VBM Keilton sensors. For more information on the Keilton Ecosystem, please visit this <a href="#">link</a> . |  |  |           |
| <b>WP1013</b>   | 3-Key Battery Powered Bluetooth Wireless Wall Switch. Order additional <b>WP</b> accessory if mounting to wall.  |  |           |
| <b>WP1025</b>   | 5-Key Battery Powered Bluetooth Wireless Wall Switch. Order additional <b>WP</b> accessory if mounting to wall.  |  |           |
| <b>WP1013S</b>  | 3-Key AC Powered Bluetooth Wireless Wall Switch  |  |           |
| <b>WP1017S</b>  | 7-Key AC Powered Bluetooth Wireless Wall Switch  |  |           |
| <b>WP</b>   | Wall Plate for use with wall switches <b>WP1013</b> and <b>WP1025</b>  |  |           |
| <b>WP1015S</b>  | 5-Key Solar Powered Bluetooth Wireless Wall Switch   |  |           |
| <b>WF20R</b>  | 20A Bluetooth Plug Load Controller   |  |           |
| <b>CR01-ETC</b>   | Real Time Clock USB Dongle [Keeps Keilton devices schedules in sync in case of power loss - 1 per zone]  |  |           |
| Sensor Options  |  |  |           |
| <a href="#">OSFLA-ITW</a>   | Leviton PIR Occupancy Sensor, ON/OFF, Manual Programmable, 20' & 40' lenses included   |  |           |
| <b>To order sensor, select one option from each column below and combine part numbers (Example: FSP-221B-D-L2-W)</b>  |  |  |           |
| End Mounted Sensor  | Nipple Configuration   | Lens Option  | Color     |
| <a href="#">FSP-221B</a> , Wattstopper PIR Occupancy Sensor, Photosensor, High and Low End Trim, 0-10V Dimming, IR Remote Programmable <sup>6</sup>   | -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 |           |
| Suspended Mounting Option   |  |  |           |
| <b>HW-FC009</b>   | Suspended Mounting Cable; 1 Hanging System Per Fixture Needed  |  |           |
| Wireguard Options <sup>7</sup>  |  |  |           |
| <b>LED-SFHC-WG01-KIT-SP</b>   | 4' Wireguard Kit for Fixture, Single Pack  |  |           |
| <b>LED-SFHC-WG01-KIT</b>  | 4' Wireguard Kit for Fixture, Bulk Pack  |  |           |

### Additional Specification Information

<sup>6</sup> Requires remote for commissioning and/or modifying settings. See accessories table.

<sup>7</sup> All wireguards are shipped in 4' increments, for 8' fixtures, two 4' wireguards are required

### Accessories (Field Installed)



**Wireguard**  
(LED-SFHC-WG01-KIT-SP)



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



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



**Sensor**  
(OSFLA-ITW)



**Handheld Sensor Remote**  
(RM51)



**Keilton Ecosystem Accessories**

### Physical Information

| Length | Width | Depth with No Lens | Depth with Lens | Weight <sup>8</sup> |
|--------|-------|--------------------|-----------------|---------------------|
| 4'     | 4.25" | 2.00"              | 3.00"           | 5.60lbs.            |
| 8'     | 4.25" | 2.00"              | 3.00"           | 10.40lbs.           |

### Ambient Operating Temperatures

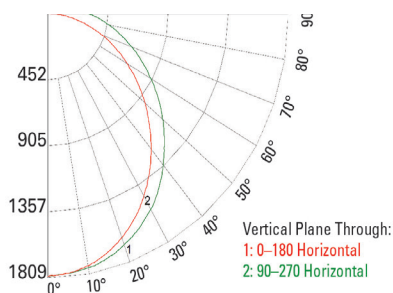
| Nominal Lumen Code | All Voltages                  | With Battery Back Up            |
|--------------------|-------------------------------|---------------------------------|
| All Lumen Packages | -20°C to 55°C [-4°F to 131°F] | Min. Operating Temp. 0°C [32°F] |

| Sensor Type | Operating Range             |
|-------------|-----------------------------|
| P3          | 0°C to 55°C [32°F to 131°F] |
| Lx          | 0°C to 55°C [32°F to 131°F] |
| VL          | 0°C to 55°C [32°F to 131°F] |
| VBM         | 0°C to 55°C [32°F to 131°F] |

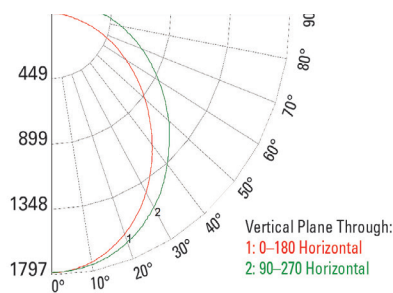
### Photometrics

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

06L 850 LAFG3



06L 850 LAFG2



### Additional Specification Information

<sup>8</sup> Weight will vary based on option selected