Day-Brite CFI
by **signify**

Linear

FluxStream strip

FSS 2', 3', 4', & 8'

Control options available

Project: _____

Location: _____

Cat.No: _____

Type: _____

Lumens: _____ Qty: _____

Notes: _____

Day–Brite / CFI FluxStream LED strip is a high performing luminaire delivering smooth diffuse light ideal for light industrial, commercial and residential applications with unparalleled energy efficiency.

Ordering guide – standard & wireless controls

example: FSS440L840-UNV-DIM

Series	Length (nominal)		Lumens[2] (nominal)		Color temp. (K)		Voltage		Driver		Options	
FSS					—		—		—		—	

Series	Length (nominal)		Lumens[2] (nominal)		Color temp. (K)		Voltage		Driver		Options	
FSS FluxStream strip	**2** 2'		**20L** 2000 **30L** 3000		**830** 80 CRI, 3000K **835** 80 CRI, 3500K **840** 80 CRI, 4000K **850**[3] 80 CRI, 5000K		**UNV** Universal voltage 120-277V **120**[4] 120V **277**[4] 277V **347**[5] 347V		**DIM**[11] **SDIM**[6,7] **XDIM**[4,6,7] **DALI**[8]	Dimming Step dimming to 40% input power MarkX phase dimming DALI	**EMLED**[5,6,9] **ER100**[12,13,17] **ER100/HVPS**[12,13,17] **ER100/HVPI**[12,13,17] **GTD/E**[12] **GTD/SNSR**[12,13] **SWZCS**[10,15] **SWZDT**[10] **RADIO**[10] **SWZCSH**[14] **IAOSB**[10,15] **LSXR10** **LSXR10ADC**[10] **PAF** **BK** **ST** **BAC**[18]	Factory wired Bodine BSL310LP integral emergency pack. Nominal 1100lm UL924 listed bypass sensor relay, factory installed between driver & sensor PS/PI (Interact Pro compatible) UL924 listed sensor bypass relay, factory installed between driver & sensor for 347/480 Power Sense (Interact Pro compatible) UL924 listed sensor bypass relay, factory installed between driver & sensor 347/480 Power Interrupt (Interact Pro compatible) UL924 listed Bodine GTD factory installed on driver input UL924 listed Bodine GTD factory installed between driver & sensor (alternate option to ER100) Interact Pro scalable sensor with integral daylight & occupancy sensing, advanced grouping with dwell time SpaceWise sensor, daylighting and occupancy, advanced grouping, with dwell time Integral Interact Pro RF sensor, enables wireless connected lighting control Interact Pro scalable high bay sensor with integral daylight & occupancy sensing, advanced grouping with dwell time for high mounting heights Interact Pro wireless sensor with occupancy, daylight, and environmental sensing capabilities 120-347V motion sensor, factory installed on end cap 120-347V motion sensor with photocell and hi/lo trim dimming, factory installed on end cap Paint after fabrication for extra corrosion resistance (white) Matte black paint color Satin aluminum paint color Meets the requirements of the Buy American Act of 1933 (BAA)
	3 3'		**30L** 3000									
	4 4'		**30L** 3000 **40L** 4000 **55L** 5500 **70L** 7000									
	8[1] 8'		**60L** 6000 **80L** 8000 **110L** 11000 **140L** 14000									

Other lumen packages may be ordered in increments of 500lm from 3000 to 7000 lumens for 4' unit and increments of 1000lm from 6000 to 14000 lumens for 8' unit.

Ordering guide – PoE controls example: FSS440L840-LV-POE-IAO

Series	Length (nominal)		Lumens[2] (nominal)		Color temp. (K)		Voltage		Driver		Options	
FSS					—		**LV** —		**POE** —			

Series	Length (nominal)		Lumens[2] (nominal)		Color temp. (K)		Voltage		Driver		Options	
FSS FluxStream Strip	**4** 4'		**30L** 3000 **40L** 4000 **60L** 6000		**830** 80 CRI, 3000K **835** 80 CRI, 3500K **840** 80 CRI, 4000K **850** 80 CRI, 5000K		**LV** Low voltage		**POE** Power over ethernet		**IAO** **EMPOE**[16] **PAF** **BK** **ST** **IAOSB**	Interact PoE daylighting and occupancy sensor, enables wired connected lighting control 600lm integral emergency driver and battery pack. Paint after fabrication for extra corrosion resistance (white) Matte black paint color Satin aluminum paint color Interact Pro wireless sensor with occupancy, daylight, and environmental sensing capabilities
	8[16] 8'		**60L** 6000									

1. 8' is tandem (2) 4' lenses with single piece 8' body.
2. Nominal delivered lumens at 25°C ambient.
3. Not available in 3' model.
4. XDIM option only available with 120V.
5. 347V with EMLED only available in 8' models.
6. Not available in 2' or 3' model.
7. Not available in 4' 70L model or 8' 140L model.
8. DALI available up to 80L models only, consult factory for other options.
9. EMLED on 8' models illuminates 4' section in emergency mode.
10. Available with DIM driver option only.

11. Integral controls options dimmable to 5% via wireless wall switch. Non-integral controls configurations are 0-10V dimmable to 1%.
12. Must be installed in conjunction with a UL1008 device.
13. Only ordered with an Interact integral sensing option.
14. High bay motion detector. Motion sensing zone is extremely limited if used below 15' mounting height.
15. Must order IRT9015 Interact commissioning remote with each system order.
16. EMLED on 8' models illuminates 4' section in emergency mode.
17. ER100 options not available in 2'. 3' only has availability when selecting UNV.

18. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.
19. Consult Signify to confirm whether specific accessories are BAA-compliant.

Accessories[19] (order separately)
- **FSSD2L** – 2' Diffuse replacement lens
- **FSSD3L** – 3' Diffuse replacement lens
- **FSSD4L** – 4' Diffuse replacement lens (order two for 8' models)
- **FSSWG4** – 4' wire guard (order two for 8' models)
- **FSTH** – Sliding hanger bracket (set of two)
- **LSXR10** – Low bay PIR motion sensor, 120-277V (not available with PoE)
- **LSXR10ADC** – Low bay PIR motion sensor with photocell and hi/lo trim dimming, 120-277V (not available with PoE)
- **FSSDEK** – Decorative plastic end cap (set of two)

(See last page for details and more options)

SWZCS accessories[19] (order separately)
- **IRT9015** – handheld remote for grouping and configuration(at least one remote required for any SWZCS installation).

General notes
Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

PAF (Paint after fabrication) option is required for all products that will be used in a damp or humid location, such as under a canopy or covered parking area.

Not all product variations listed on this page are DLC qualified. To ensure that a specific model is qualified, visit www.designlights.org/search

FSS   FluxStream LED strip

2', 3', 4' and 8'

Features

- Compact design for installation in tight spaces.
- Frosted acrylic diffuser provides wide light distribution and superior glare control.
- Diffuser and LED plate snap into place allowing tool-free access to LED boards and driver.
- 2', 3', 4' and 8' tandem lengths available to accommodate many field applications.
- Up to 100,000 hour predicted L70 LED lumen maintenance provides long service life to reduce maintenance costs.
- Can be surface mounted on ceilings or walls, or suspended via chain, pendants or cables.
- Wall mountable – ADA compliant.
- Ideal for cold applications (–20°C).
- Continuous row mounting using standard end caps. No extra parts needed.
- 7/8" knock out provided at each end and on base of luminaire. Note: Center knockout is covered and not useable in 4' version with EMLED option.
- Multiple driver options available with 0-10V as standard.
- Enclosed lens minimizes penetration of dust, insects, and other debris into the LED compartment.

- 8' tandem unit is two 4' optical assemblies with a center mullion on a single full length chassis.
- Integral controls options include sensor mounted in control module extension mounted on fixture end (see dimension drawing).
- Fluxstream luminaires are Designlights Consortium® qualifed. Please see the DLC QPL list for exact catalog numbers www.designlights.org/QPL.
- 5 year manufacturer's limited warranty. Visit signify.com/warranties for complete warranty information.

Finish

- Baked white acrylic matte high reflectance paint finish.
- PAF (Paint after fabrication) option, which is required for all products that will be used in damp or humid locations, such as a canopy or covered parking area, provides extra corrosion resistance.

Shielding

- Contoured frosted acrylic lens.

Electrical

- LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant. Total system life rated at 50,000 hours. Predicted L70 lifetime based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- Integral emergency driver with EMLED option. To estimate lumen output in emergency mode, multiply emergency pack wattage by efficacy, then by 1.10.
- The GTD/E option is used to bypass wall switches and allow luminaire operation on auxiliary power. Generator transfer requires installation in conjunction with a UL1008 listed device.
- The GTD/SNSR option is used to bypass integrated sensor control in the event of utility power loss. Generator transfer requires installation in conjunction with a UL1008 listed device.
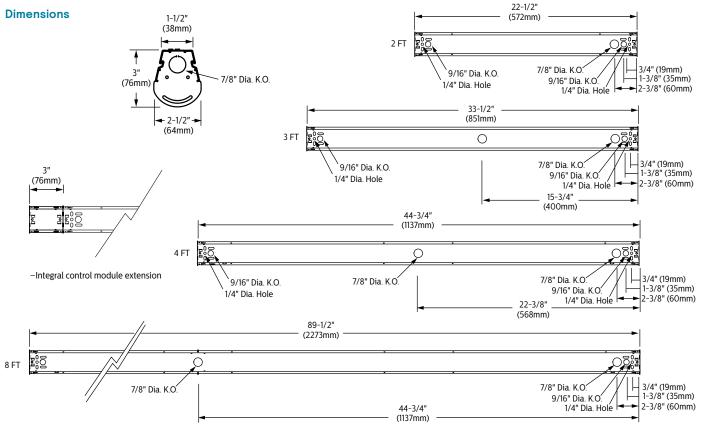
Materials

- Heavy gauge cold rolled steel housing, LED plate, and end caps.

Labels

- cETLus listed.
- Suitable for damp locations.

Ambient temperature data

Configuration	Ambient
FSS470L	–20°C to 30°C
FSS8110L	–20°C to 35°C
FSS8140L	–20°C to 25°C
EMLED option	Minimum 0°C
All others	–20°C to 40°C

Dimensions

FSS   FluxStream LED strip

2', 3', 4' and 8'

Wireless Controls Options

SpaceWise DT (SWZDT)

- Standalone daylight and occupancy sensing with advanced grouping, wireless mesh networking and dwell time.

- Commissioning via compatible Android phone and Philips Field App

- Dimming via compatible Zigbee wireless wall switch only (see link below for details)

- Register for the commissioning app at http://registration.componentcloud.philips.com/appregistration/

- Integral sensing options may not be combined

- For more information including recommended switches, refer to the following: –

  SWZDT – www.usa.lighting.philips.com/systems/lighting-systems/spacewise

Emergency Options (ER100)

- Power Sensing (Factory default) – Recommended UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output

- Power Interruption Detection (Field option) – Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output

- 347V requires step-down transformer and must be ordered indicating Power Sensing or Power Interruption Detection.

FluxStream strip shown with integral sensor

Interact Pro scalable sensor for Foundation, Advanced & Enterprise tiers (SWZCS/SWZCSH and an evolution of SpaceWise)

- SWZCS/SWZCSH is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.

- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.

- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.

- Startup is implemented via Interact Pro App (Android or iPhone) & BlueTooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.

- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.

- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.

  - Compatible with:
    - SWS200 wireless scene switch
    - Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
    - Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
    - LCN3110: Battery powered IP65 presence sensor, OCC sensor IA CM IP65WH
    - LCN3120: Battery powered IP65 presence & daylight sensor, OCC-DL sensor IA CM IP65 WH

- For more information on Interact Pro visit: www.interact-lighting.com/interactproscalablesystem

Radio only sensor (RADIO)

- Integral RADIO only sensor simply enables wireless mesh connectivity to the luminaire without any occupancy or daylight sensing.

- Ideal for applications where sensing functionality is managed by other Interact devices and the luminaire only needs to have wireless connectivity.

Interact Pro scalable sensor bundles for Enterprise tier

- IAOSB option in addition to occupancy and daylight sensing supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.

- Compatible with SWS200 wireless scene switch and Interact Ready wireless battery powered sensors.

- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.

- Requires compatible Gateway and internet connectivity for commissioning.

- For more information, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices

Wired Controls Options

Interact PoE

- PoE based IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.

- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.

- IAOSB option in addition to occupancy and daylight sensing supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.

- PoE lighting controller is accessible from below.

- Integral sensor option for occupancy sensing (PIR) and/or daylight harvesting available for additional energy savings.

- Optional integral emergency controller and battery pack provides 600lm nominal output. Test switch and indicator light mounted on side of chassis on one end.

- Emergency battery has a 3 month pre-installed shelf life, and must be stored and installed in environments of 20C to 30C (-4F to 86F) ambient, and 45-85% relative humidity.

- For more information, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices