Day-Brite CFI
by Signify

Linear

FluxStream sealed strip

4' and 8'
Up to 12,000

Control options available

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

Project:

Location:

Cat.No:

Type:

Lumens: Qty:

Notes:

Ordering guide

Series	Length (nominal)	Lumens[1] (nominal)	Color temp. (K)	Voltage	Driver	Options
FSX			—	—	—	
FSX FluxStream sealed strip	**4** 4' length	**40L** 4000 lumens **60L** 6000 lumens	**830** 80 CRI, 3000K **835** 80 CRI, 3500K	**UNV** Universal voltage 120-277V	**blank** Non-dimming **DIM**[3] 0-10V 1% dimming	**BSL6LST**[2,3] Factory wired Philips Bodine integral emergency pack. Nominal 700lm
	8[1] 8' length	**80L** 8000 lumens **120L** 12000 lumens	**840** 80 CRI, 4000K **850** 80 CRI, 5000K	**120** 120V **277** 277V **347** 347V	**SDIM**[3] Step dimming to 40% input power	**SWZCSH**[4] Interact Pro scalable high bay sensor with integral daylight & occupancy sensing, advanced grouping with dwell time
		Other lumen packages may be ordered in increments of 1000lm up to 6000 lumens in 4' length or up to 12000 lumens in 8' length.				**MD360W**[5] 120-277V motion detector, factory installed on end cap (ON/OFF) **MD360WD**[5] 120-277V motion detector, factory installed on end cap (ON/DIM) **IP65** IP65 rated protection from water and dust **WCW6/6**[6] Factory wired 6' 18/6 white cord for use with 0-10V DIM option plus BSL6LST **WCW6/5**[6] Factory wired 6' 18/5 white cord for use with 0-10V DIM option **WCW6/4**[6] Factory wired 6' 16/4 white cord for use with BSL6LST or SDIM options **Factory wired 6' 16/3 white cord is standard**

1 Nominal delivered lumens at 25°C ambient.
2 BSL6LST on 8' models illuminates 4' section in emergency mode.
3 3 wire cord is standard. Order proper cord option for dimming or emergency.
4 High bay motion detector. Motion sensing zone is extremely limited if used below 15' mounting height.
5 Not available with SWZCSH option.
6 6' is standard cord length. For optional 10', 15', or 20' cord length, replace the "6" in the option code with desired length.

Accessories (order separately, see last page for details)
· **FSXWG4** – 4' wire guard (order two for 8' models)
· **FSTH** – Sliding hanger bracket (set of two)
· **DACH48** – Adjustable cable hanger kit (order two per fixture)

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.

interact ready.

FSX   FluxStream LED sealed strip

4' and 8', up to 12,000 lumens

Features

• Compact design for installation in tight spaces.

• Each unit comes standard with a 6' 16/3 wired white cord.

• Sliding hanger bracket set included.

• 4' and 8' 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, or cables with the sliding hanger brackets.

• Ideal for cold applications (-20°C).

• 0-10v dimming driver as standard. Step dimming (100/40%) is optional. Note that special cords are required to utilize dimming or step dimming.

• Optional wet location motion detector factory installed on end cap.

• Luminaire housing tested to IK08 impact standards.

• 5 year manufacturer's limited warranty. Visit signify.com/warranties for complete warranty information.

Construction/Finish

• Continuous white polycarbonate extruded housing.

• Frosted polycarbonate diffuser provides wide light distribution and superior glare control.

• White plastic end caps.

Electrical

• Standard luminaire is non-dimming.

• Dimming to 1% on 0-10V controls optional available. Step dimming (SDIM) option available (100/40%).

• 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.

Labels

• cETLus listed to meet UL1598 Standards suitable for use in wet locations.

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

• 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.

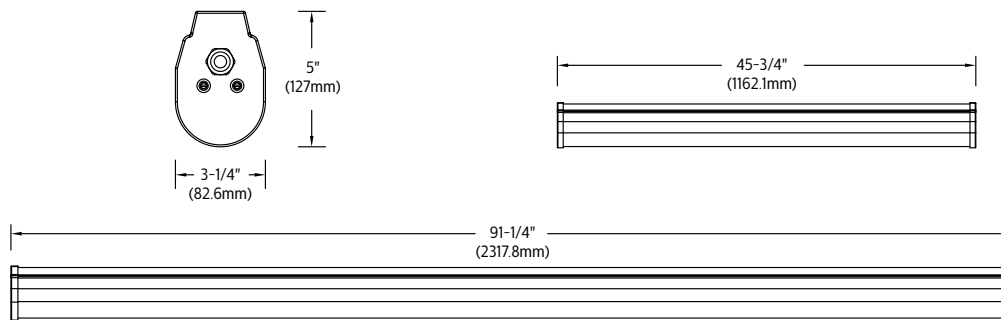• Prepare project configuration steps remotely and use IRT9015 remote

onsite to identify and group devices together.

• Compatible with:

– UID8451/10 wireless dimmer switch

– 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

– LCN3110/05 battery powered IP65 presence sensor OCC sensor IA CM IP65 WH

– LCN3120/05 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

Dimensions

5"
(127mm)

3-1/4"
(82.6mm)

45-3/4"
(1162.1mm)

91-1/4"
(2317.8mm)

Ambient Temperature Data

Configuration	Ambient
FSX440L	–20°C to 40°C
FSX460L	–20°C to 35°C
FSX880L	–20°C to 40°C
FSX8120L	–20°C to 35°C
BSL6LST option	Minimum 0°C

FluxStream LED sealed strip, 4', 6000 nominal delivered lumens

LER – 116

Catalog No.	FSX460L840-UNV-DIM
Test No.	38882
S/MH	1.3
Lamp Type	LED
Lumens/Lamp	6025
Input Watts	52

Comparative yearly lighting energy cost per 1000 lumens – **$2.07** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross	Back-45
0	1518	1546	1555	1546
5	1512	1541	1551	1541
15	1460	1497	1514	1497
25	1356	1405	1436	1405
35	1202	1277	1325	1277
45	1010	1117	1192	1117
55	784	936	1046	936
65	500	753	892	753
75	258	577	738	577
85	53	392	589	392
95	6	269	419	269
105	6	174	302	174
115	6	106	202	106
125	6	63	126	63
135	7	36	73	36
145	7	18	38	18
155	7	11	15	11
165	7	8	8	8
175	7	7	7	7

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1210	20.1
0-40	2001	33.2
0-60	3674	61.0
0-90	5347	88.7
0-180	6025	100.0

Average Luminance

Angle	End	45°	Cross
45	20106	15613	14994
55	18992	14191	13912
65	16107	12897	13006
75	12966	11774	12332
85	6492	10282	11925

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

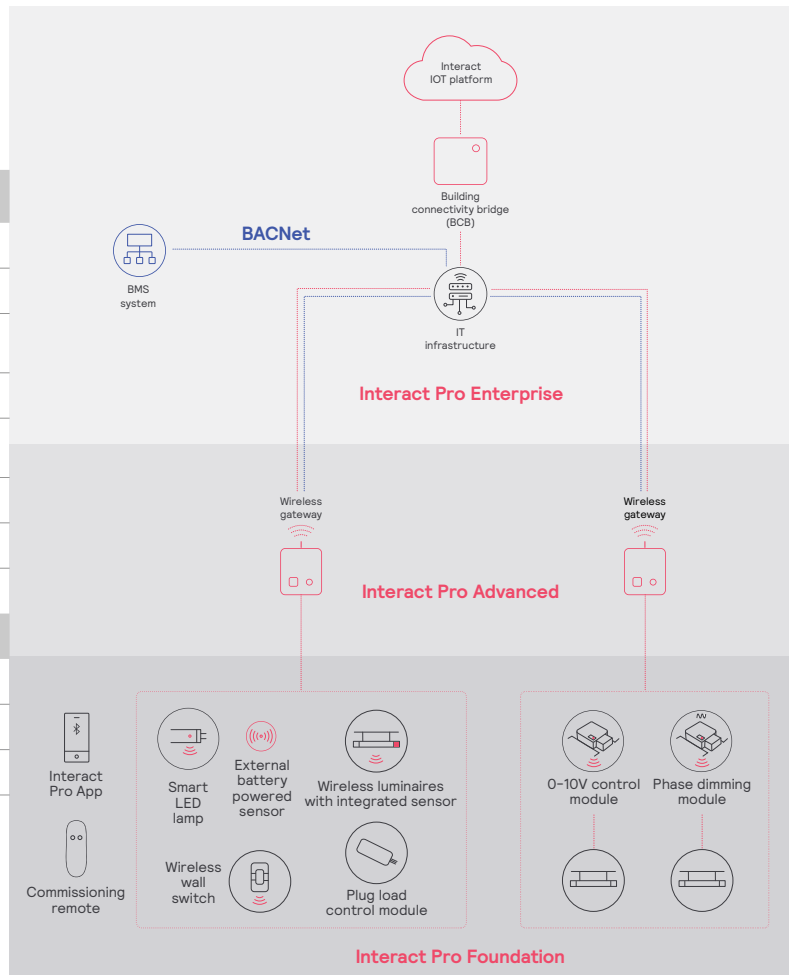| pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	116	116	116	112	112	112	105	105
1	104	98	93	100	94	90	88	84
2	93	84	76	89	81	74	76	70
3	85	73	64	81	71	62	66	59
4	77	64	55	74	62	53	58	51
5	71	57	48	68	55	46	52	44
6	65	51	42	62	50	41	47	39
7	60	46	37	58	45	36	42	35
8	56	42	33	54	41	33	39	31
9	52	39	30	50	37	30	35	28
10	49	35	27	47	35	27	33	26

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4' and 8', up to 12,000 lumens

	Interact Pro scalable system		
	Foundation	**Advanced**	**Enterprise**
Dimming, grouping, and zoning	✓	✓	✓
Bluetooth and ZigBee enabled	✓	✓	✓
Motion sensing and daylight harvesting	✓	✓	✓
Integration with 0-10V and phase dimming fixtures	✓	✓	✓
Code compliance	✓	✓	✓
Granular dimming and dwell time	✓	✓	✓
Energy reporting and monitoring		✓	✓
Scheduling		✓	✓
Demand response		✓	✓
BMS integration (BACnet)			✓
Floor plan visualization			✓
IoT sensors for wellness			✓
IoT Apps for productivity			✓

Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
• luminaires with integrated sensors	150
• smart TLEDS	150
Total number of ZGP devices (sensors and switches)	50
• sensors	30
• switches	50
• zones and groups	64
Group level	
Recommended number of lights	40 (recommended 25)
Number of ZGP devices	5
Number of scenes	16

FSX FluxStream LED sealed strip

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FluxStream LED sealed strip, 4', 4000 nominal delivered lumens

LER – 122

Catalog No.	FSX440L840-UNV-DIM
Test No.	38883
S/MH	1.3
Lamp Type	LED
Lumens/Lamp	3955
Input Watts	32

Comparative yearly lighting energy cost per 1000 lumens – **$1.97** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross	Back-45
0	1039	1039	1039	1039
5	1017	1036	1044	1036
15	979	1004	1017	1004
25	907	939	963	939
35	803	852	888	852
45	671	742	798	742
55	484	621	701	621
65	326	466	599	466
75	161	355	467	355
85	26	258	375	258
95	0	177	288	177
105	0	114	210	114
115	0	70	144	70
125	0	38	91	38
135	0	18	52	18
145	0	6	26	6
155	0	2	8	2
165	0	1	2	1
175	0	0	0	0

Light Distribution

Degrees	Lumens	% Luminaire
0-30	814	20.6
0-40	1346	34.0
0-60	2458	62.1
0-90	3530	89.3
0-180	3955	100.0

Average Luminance

Angle	End	45°	Cross
45	12692	10010	9728
55	11149	9111	9073
65	9964	7762	8544
75	7669	7099	7672
85	2984	6682	7541

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	116	116	116	113	113	113	105	105
1	104	98	93	100	95	90	88	85
2	94	84	77	90	82	75	76	70
3	85	73	65	81	71	63	66	60
4	77	65	55	74	63	54	59	51
5	71	58	48	68	56	47	52	45
6	65	52	42	63	50	41	47	40
7	61	47	38	58	45	37	43	35
8	56	42	34	54	41	33	39	32
9	53	39	30	51	38	30	36	29
10	49	36	28	47	35	27	33	26

Accessories/Options

FSTH DACH48 BSL6LST MD360W MD360WD WC6/5 WC6/4

Catalog Code	Description
FSTH	Sliding hanger bracket (set of two) - one set included with fixture
DACH48	Adjustable cable hanger kit (order two per fixture)
BSL6LST	Factory wired Philips Bodine integral emergency pack (nominal 700lm)
MD360W	120-277V motion detector, factory installed on end cap (ON/OFF)
MD360WD	120-277V motion detector, factory installed on end cap (ON/DIM)
WCW6/6	Factory wired 6' 18/6 white cord for use with 0-10V DIM option plus BSL6LST
WCW6/5	Factory wired 6' 16/5 white cord for use with 0-10V dimming
WCW6/4	Factory wired 6' 16/4 white cord for use with BSL6LST or SDIM

The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract.

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