

PHILIPS Day-Brite CFI

Linear

FluxStream
strip

4' and 8'
with Power over ethernet
(PoE) technology



Project: _____
Location: _____
Cat.No: _____
Type: _____
Qty: _____
Notes: _____

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

Ordering guide

example: FSS440L840-LV-POE-SYS

Series	Length (nominal)	Lumens ² (nominal)	Color temp. (K)	Voltage	Driver	Options
<input type="text" value="FSS"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> –	<input type="text" value="LV"/> –	<input type="text" value="POE"/> –	<input type="text"/>
FSS FluxStream Strip	4 4' length 8 8' length ¹	30L 3000 lumens 40L 4000 lumens 60L 6000 lumens 60L 6000 lumens	830 80 CRI, 3000K 835 80 CRI, 3500K 840 80 CRI, 4000K 850 80 CRI, 5000K	LV Low voltage	POE Power over ethernet	SYS PoE daylight and motion detection EMLED ³ 600lm integral emergency driver and battery pack. PAF Paint after fabrication (white) BK Matte black paint color ST Satin aluminum paint color

1. 8' is tandem (2) 4' lenses with single piece 8' body.
2. Nominal delivered lumens at 25°C ambient.
3. EMLED on 8' models illuminates 4' section in emergency mode.

Accessories (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)
- (See next page for details and more options)

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.



FSS FluxStream LED strip

4' and 8' with Power over ethernet (PoE)

Accessories



Accessory Catalog Code	Description
FSTH	Sliding hanger bracket (pair)
SV5F12	12" Stem and canopy kit
SV5F18	18" Stem and canopy kit
SV5F24	24" Stem and canopy kit
SV5F36	36" Stem and canopy kit
SV5F48	48" Stem and canopy kit
FKR-126	Chain hanger set (pair)
DACHxx	Adjustable cable hanger kit (single)
FSSWG4	4' Wire guard (order two for 8' models)

White stem and canopy kit, 1/4" trade size (1/2" O.D.) locknuts included. Works with 9/16" k.O. on base of housing.

Includes two 5' heavy duty link chains with "V" hooks. Attaches to base of housing.

Works with 1/4" hole on base of housing or FSTH hanger bracket.
xx=cable length in inches, enter 48" to 180" lengths in 12" increments

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.
- 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.
- 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 sensor options for occupancy sensing (PIR) and / or daylight harvesting are available for additional energy savings with no reduction of life or increase in installation labor. Sensor mounted in chassis extension.
- 5 year manufacturer's limited warranty. Optional emergency battery has a 4 year limited warranty. Visit www.philips.com/warranties for complete warranty information.

Finish

- Baked white acrylic matte high reflectance paint finish;

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.
- PoE lighting controller is accessible from below.
- Optional integral emergency driver and battery pack provide 600lm nominal output. Test switch and light mounted on side of chassis at one end.
- Emergency battery has a 3 month pre-installed shelf life, and must be stored and installed in environments of -20°C to 30°C (-4°F to 86°F) ambient, and 45-85% relative humidity.

Materials

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

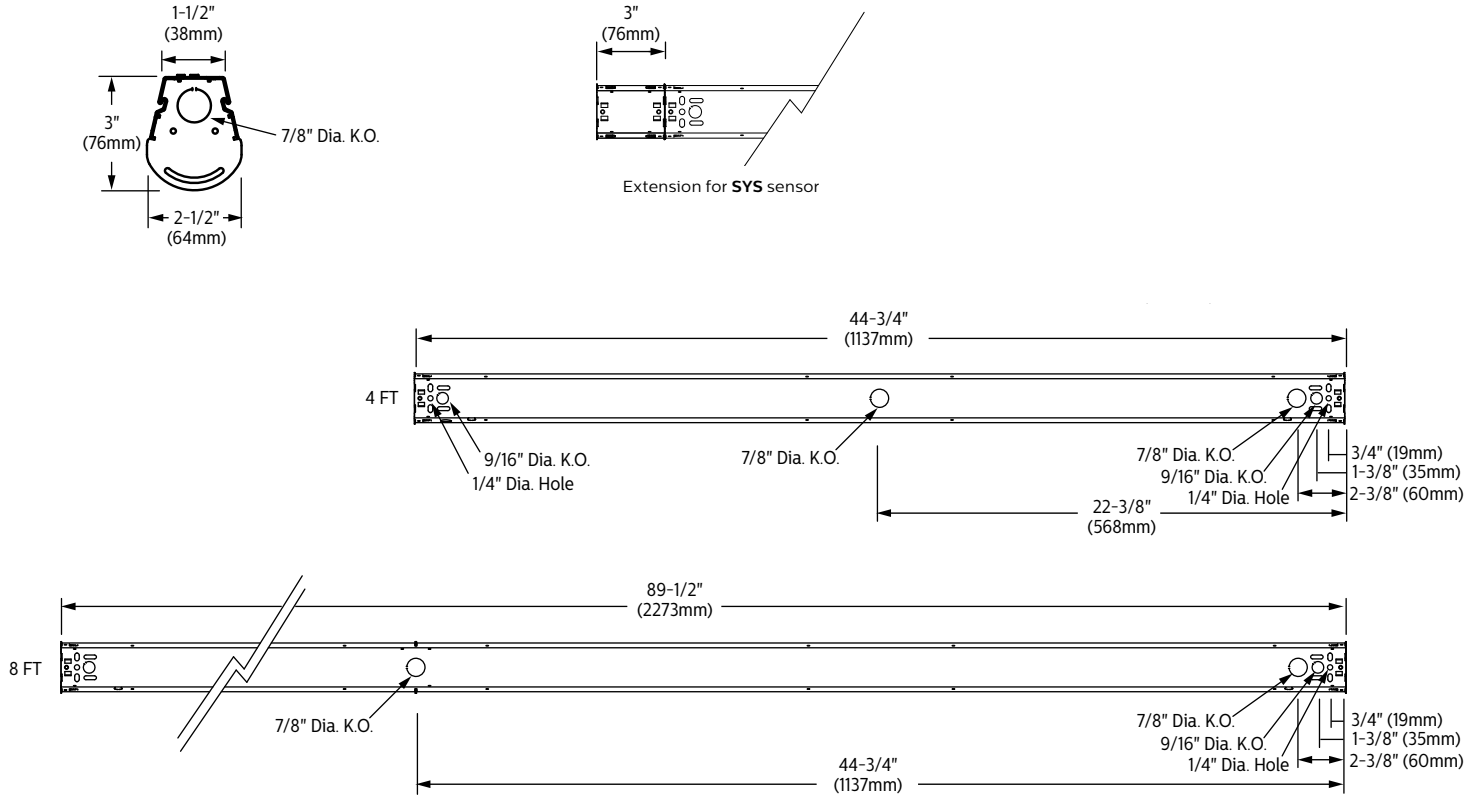
Labels

- cETLus listed.
- Suitable for damp locations.

FSS FluxStream LED strip

4' and 8' with Power over ethernet (PoE)

Dimensions



Photometry

FluxStream LED strip with PoE, 3000 nominal delivered lumens

LER - 139

Catalog No.	FSS430L840-LV-POE	Candlepower				Light Distribution			Average Luminance					
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross		
Test No.	38017	0	879	879	879	0-30	687	23.1	45	6978	6079	5960		
S/MH	1.3	5	864	874	879	0-40	1132	38.1	55	6616	5587	5577		
Lamp Type	LED	15	837	847	854	0-60	2040	68.6	65	6000	5032	5208		
Lumens	2973	25	778	789	802	0-90	2812	94.6	75	4753	4464	4932		
Input Watts	21	35	691	710	724	90-180	161	5.4	85	1935	4093	4896		
		45	582	609	631	0-180	2973	100.0						
		55	453	491	527	Coefficients of Utilization								
		65	308	367	418	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)								
		75	156	248	313	pcc	80			70			50	
		85	25	150	219	pw	70	50	30	70	50	30	50	30
		95	0	81	143	RCR								
		105	0	39	86	0	117	117	117	113	113	113	108	108
		115	0	17	47	1	106	100	94	102	96	93	92	88
		125	0	6	22	2	95	86	79	92	83	77	80	73
		135	0	3	10	3	86	75	67	83	72	65	69	63
		145	0	2	5	4	79	67	56	76	65	56	61	54
		155	0	1	1	5	72	58	50	69	57	48	55	46
		165	0	0	0	6	67	53	44	65	52	42	50	41
		175	0	0	0	7	61	47	39	59	46	39	45	36
						8	57	44	34	56	42	34	40	34
						9	54	40	32	52	39	30	38	30
						10	51	36	28	48	35	28	34	28

FSS FluxStream LED strip

4' and 8' with Power over ethernet (PoE)

FluxStream LED strip with PoE, 4000 nominal delivered lumens

LER – 136

Catalog No.	FSS440L840-LV-POE	Candlepower				Light Distribution			Average Luminance					
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45'	Cross		
Test No.	38015	0	1158	1158	1158	0-30	906	23.2	45	9190	7996	7860		
S/MH	1.3	5	1141	1152	1157	0-40	1491	38.3	55	8717	7337	7362		
Lamp Type	LED	15	1103	1116	1123	0-60	2686	68.9	65	7900	6577	6872		
Lumens	3896	25	1025	1042	1056	0-90	3691	94.7	75	6235	5796	6510		
Input Watts	29	35	911	934	955	0-180	205	5.3	85	2593	5245	6477		
		45	767	802	833	0-180	3896	100.0						
		55	597	645	696									
		65	406	479	551									
		75	204	323	413									
		85	34	193	290									
		95	0	102	189									
		105	0	48	114									
		115	0	20	62									
		125	0	7	29									
		135	0	4	13									
		145	0	2	7									
		155	0	1	2									
		165	0	0	0									
		175	0	0	0									
Comparative yearly lighting energy cost per 1000 lumens – \$1.76 based on 3000 hrs. and 5.08 pwr KWH.														
The photometric results were obtained in the Philips 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.														
						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	117	117	117	113	113	113	108	108
						1	106	100	94	102	97	93	92	89
						2	95	86	79	92	83	77	80	73
						3	86	76	67	83	73	66	69	63
						4	79	67	56	77	65	56	61	54
						5	72	58	50	69	57	48	55	47
						6	67	53	44	65	52	42	50	41
						7	61	47	39	59	46	39	45	38
						8	57	44	34	56	42	34	40	34
						9	54	40	32	52	40	32	38	30
						10	51	36	28	48	35	28	34	28

FluxStream LED strip with PoE, 6000 nominal delivered lumens

LER – 129

Catalog No.	FSS460L840-LV-POE	Candlepower				Light Distribution			Average Luminance					
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45'	Cross		
Test No.	38018	0	1680	1680	1680	0-30	1315	23.1	45	13358	11625	11404		
S/MH	1.3	5	1656	1671	1682	0-40	2165	38.0	55	12692	10694	10670		
Lamp Type	LED	15	1603	1620	1632	0-60	3904	68.6	65	11492	9645	9967		
Lumens	5691	25	1490	1511	1534	0-90	5382	94.6	75	9087	8556	9442		
Input Watts	44	35	1323	1356	1386	90-180	309	5.4	85	3717	7865	9390		
		45	1115	1165	1208	0-180	5691	100.0						
		55	869	940	1008									
		65	590	703	799									
		75	297	476	599									
		85	49	289	420									
		95	0	156	275									
		105	0	76	165									
		115	0	33	91									
		125	0	11	42									
		135	0	7	19									
		145	0	3	10									
		155	0	2	3									
		165	1	1	1									
		175	0	0	0									
Comparative yearly lighting energy cost per 1000 lumens – \$1.86 based on 3000 hrs. and 5.08 pwr KWH.														
The photometric results were obtained in the Philips 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.														
						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	117	117	117	113	113	113	108	108
						1	106	100	94	102	96	93	92	88
						2	95	86	79	92	83	77	80	73
						3	86	75	67	83	72	65	69	63
						4	79	67	56	76	65	56	61	54
						5	72	58	50	69	57	48	55	46
						6	67	53	44	65	52	42	50	41
						7	61	47	39	59	46	39	45	36
						8	57	44	34	56	42	34	40	34
						9	54	40	32	52	39	30	38	30
						10	51	36	28	48	35	28	34	28

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