

PHILIPS Day-Brite CFI

Linear

FluxStream

4" with reflector



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

Philips Day-Brite / CFI FluxStream LED strip with reflector is a high performing LED linear 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: LFR4FLSLD3740UDZT

Series	Length (nominal)	Lens	Reflector	Lumens ¹ (nominal)	Color	Voltage	Driver	Options
LFR	4	FL					—	
LFR FluxStream Reflector	4 4' length	FL Frosted Linear Lens	SLD Solid SLT Slotted PER Perforated	37 3700 lumens 55 5500 lumens	50 5000K 40 4000K 35 3500K 30 3000K	U Universal 120/277V 1 120V ² 2 277V ² 3 347V ³	DZT 0-10v dimming SZT Step dimming (100-40) XDIM ² MarkX Phase Dimming DALI DALI	EMLED Factory wired Philips Bodine BSL310LP integral emergency pack. Nominal 1100 lm FH360 120-347V motion sensor, factory installed on end cap (120-347V) PAF Paint after fabrication (white)

1. Nominal delivered lumens at 25°C ambient.
2. XDIM option must be specified with 120V or 277V options only.
3. 347V not available with 5500 lumens.

Accessories (order separately)

- **SV5CPL** Continuous Row Joiner: Required for row mounting. Number of joiners required per row is equal to one less than the number of luminaires per row.
- **FH360-UNV** 120-347V motion sensor, field installed via 7/8" KO on end cap

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.

Accessories (order separately)

Stem and Canopy Sets: Suspend the luminaire 12", 18", 24", 36", or 48" from surface. Two per luminaire recommended.

SV5F12 – 12" SV5F24 – 24" SV5F48 – 48"
SV5F18 – 18" SV5F36 – 36"

Chain Hanging Kit: Includes two 5' heavy duty link chains with sturdy "V" hook for luminaire suspension.

FKR-126 – Two 5' chains and "V" hooks

Aircraft Cable Kit:

Power feed cable/canopy kit (adjustable 6" to 60")
SVCC60-UNV – 120/277V SVCC60-347 – 347V
Cable and canopy kit (adjustable 6" to 60")
SVC60



LFR FluxStream LED strip

4' with reflector

Features

- SLT and PER reflector options provide 7-10% uplight.
- Sleek and compact design ideal for installation in tight spaces.
- Rugged 100% frost acrylic lens shields LEDs from direct view.
- 4' (nominal) length.
- 100,000 hours of maintenance free system life LED lumen maintenance. Predicted L70 lifetime based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- Variety of mounting options for installation flexibility.
- Snap in LED pan and single grounding screw for easy installation.
- Row mountable with continuous row joiner.
- Similar light levels to a (2) 28W T5 strip while using 33% less energy.
- Dimming and motion detector options available.
- Ideal for installation in refrigerated areas (down to -20°C).
- Enclosed lens minimizes penetration of dust, insects and other debris into the lamp compartment.
- 8' unit available.
- Fully enclosed wiring and LED diodes.
- 80+ CRI and excellent color consistency.
- 5-year manufacturer's limited warranty (Based on 25°C ambient operating temperature when surface mounted, and 30°C for suspended installation). 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 (L80). Maximum ambient temperature of 25°C when surface mounted or 30°C when suspended. Suitable for cold locations – minimum ambient temperature of -20°C.

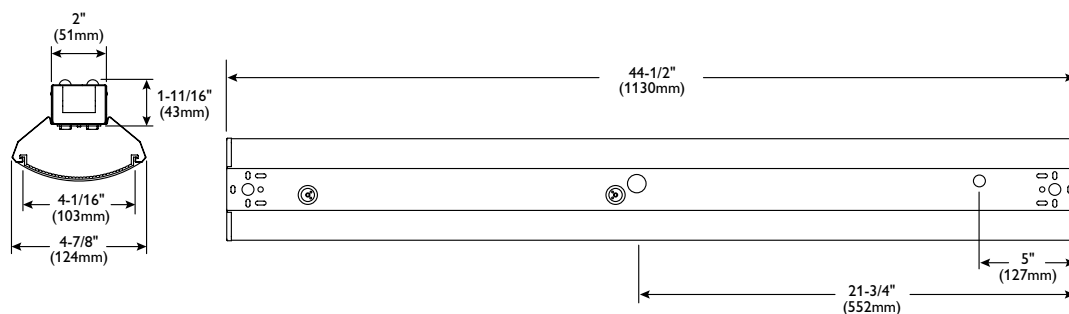
Materials

Heavy gauge cold rolled steel housing and LED pan. Polycarbonate injection molded end caps.

Labels

cETLus listed.
Suitable for damp locations.

Dimensions



LFR FluxStream LED strip

4' with reflector

FluxStream 4', 33W LED, 4000K, 3700 nominal lumens

Catalog No. LFR4FLSLD3740UDZT Test No. 35396 S/MH 1.3 Lamp Type LED Lumens 3665 Input Watts 33 Efficacy 111	Candlepower <
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FluxStream 4', 33W LED, 4000K, 3700 nominal lumens

Catalog No.	LFR4FLPER3740UDZT	Candlepower				Light Distribution			Average Luminance					
Test No.	35398	Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross		
S/MH	1.3	0	1165	1165	1165	0-30	902	23.9	45	7337	7736	8180		
Lamp Type	LED	5	1146	1160	1170	0-40	1467	38.9	55	6546	7127	7664		
Lumens	3769	15	1094	1123	1139	0-60	2556	67.7	65	5732	6475	8347		
Input Watts	33	25	989	1033	1065	0-90	3454	91.5	75	4895	7363	8493		
Efficacy	114	35	839	907	956	90-120	184	4.9	85	3976	7139	9011		
		45	665	752	813	90-130	225	6.0						
		55	484	581	644	90-150	284	7.5						
		65	314	410	551	90-180	320	8.5						
		75	167	318	391	0-180	3774	100.0						
		85	49	155	223									
		95	0	87	134									
		105	1	56	89									
		115	7	52	65									
		125	16	48	65									
		135	26	40	63									
		145	35	38	54									
		155	42	43	46									
		165	47	46	36									
		175	50	48	25									
Comparative yearly lighting energy cost per 1000 lumens – \$2.12 based on 3000 hrs. and \$.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	116	116	116	112	112	112	106	106
						1	106	100	95	102	96	93	91	88
						2	95	86	80	92	83	78	79	73
						3	86	76	68	83	73	66	69	63
						4	80	67	57	77	65	56	61	55
						5	72	59	51	69	57	50	55	47
						6	67	54	45	65	53	44	50	41
						7	63	48	40	59	47	39	45	38
						8	57	45	35	56	44	34	40	34
						9	54	40	33	52	40	32	38	30
						10	51	38	29	48	36	28	34	28

LFR FluxStream LED strip

4' with reflector

FluxStream 4', 33W LED, 4000K, 3700 nominal lumens

Catalog No.	LFR4FLSLT3740UDZT	Candlepower				Light Distribution			Average Luminance			
Test No.	35399	Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45'	Cross
S/MH	1.3	0	1182	1182	1182	0-30	913	24.9	45	7429	7765	8132
Lamp Type	LED	5	1164	1177	1186	0-40	1483	40.5	55	6647	7096	7542
Lumens	3662	15	1110	1138	1154	0-60	2571	70.1	65	5852	6417	6925
Input Watts	33	25	1002	1045	1075	0-90	3404	92.9	75	5068	5954	7486
Efficacy	111	35	850	915	958	90-120	163	4.4	85	4274	7836	9092
Comparative yearly lighting energy cost per 1000 lumens – \$2.18 based on 3000 hrs. and \$.08 pwr KWH.		45	674	755	808	90-130	190	5.2				
		55	491	578	633	90-150	233	6.4				
		65	321	406	457	90-180	261	7.1				
		75	173	257	345	0-180	3666	100.0				
		85	53	170	225							
		95	5	82	114							
		105	12	43	76							
		115	16	34	35							
		125	20	31	36							
		135	25	29	35							
The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.		145	29	28	36							
		155	32	36	33							
		165	34	39	30							
		175	35	35	19							
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	116	116	116	113	113	113	107	107	
1	106	101	95	102	97	93	92	89	
2	95	86	80	93	84	78	80	75	
3	88	77	68	83	75	67	70	64	
4	80	68	58	77	66	57	63	56	
5	73	60	52	70	58	51	56	48	
6	68	55	46	66	53	45	51	42	
7	63	50	40	60	47	40	46	39	
8	58	45	36	56	44	35	41	34	
9	55	41	33	53	40	33	39	32	
10	51	38	29	50	38	29	35	28	

FluxStream 4', 53W LED, 4000K, 5500 nominal lumens

Catalog No.	LFR4FLSLD5540UDZT	Candlepower				Light Distribution			Average Luminance			
Test No.	35401	Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
S/MH	1.3	0	1914	1914	1914	0-30	1483	26.9	45	12182	12740	13256
Lamp Type	LED	5	1886	1905	1920	0-40	2413	43.8	55	10977	11639	12169
Lumens	5510	15	1800	1845	1869	0-60	4194	76.1	65	9701	10320	10795
Input Watts	53	25	1630	1701	1749	0-90	5434	98.6	75	8446	8998	9799
Efficacy	104	35	1387	1497	1563	90-120	79	1.4	85	6938	8961	10257
Comparative yearly lighting energy cost per 1000 lumens – \$2.29 based on 3000 hrs. and \$.08 pwr KWH.		45	1104	1239	1318	90-130	79	1.4				
		55	811	949	1022	90-150	79	1.4				
		65	532	653	713	90-180	79	1.4				
		75	289	388	452	0-180	5513	100.0				
		85	86	194	254							
The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.		95	0	65	113							
		105	0	1	26							
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	118	118	118	115	115	115	110	110		
		1	108	103	97	105	100	95	95	92		
		2	97	89	81	94	86	81	82	78		
		3	89	78	69	86	77	68	72	67		
		4	81	68	60	79	68	59	65	57		
		5	75	61	53	72	60	52	58	51		
		6	68	56	46	67	55	46	53	45		
		7	64	51	41	63	50	40	47	40		
8	59	46	38	57	46	36	44	36				
9	56	42	34	54	41	34	40	33				
10	53	39	30	51	39	30	38	30				

LFR FluxStream LED strip

4' with reflector

FluxStream 4', 53W LED, 4000K, 5500 nominal lumens

Catalog No.	LFR4FLPER5540UDZT	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45	Cross
Test No.	35402	0	1754	1754	1754	0-30	1359	23.7	45	11067	11710	12328
S/MH	1.3	5	1725	1746	1762	0-40	2212	38.6	55	9896	10840	11569
Lamp Type	LED	15	1647	1691	1715	0-60	3859	67.3	65	8674	9901	12212
Lumens	5727	25	1489	1557	1603	0-90	5228	91.1	75	7466	11205	12107
Input Watts	53	35	1265	1369	1438	90-120	292	5.1	85	6222	11133	13190
Efficacy	108	45	1003	1139	1225	90-130	357	6.2				
		55	731	883	972	90-150	452	7.9				
		65	476	627	806	90-180	508	8.9				
		75	255	483	558	0-180	5736	100.0				
		85	77	241	326							
		95	0	138	205							
		105	4	89	136							
		115	14	82	101							
		125	27	76	101							
		135	42	64	96							
		145	56	61	85							
		155	66	68	74							
		165	74	72	57							
		175	77	76	43							

Comparative yearly lighting energy cost per 1000 lumens – \$2.20 based on 3000 hrs. and \$.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.

FluxStream 4', 53W LED, 4000K, 5500 nominal lumens

Catalog No.	LFR4FLSLT5540UDZT	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45	Cross
Test No.	35403	0	1777	1777	1777	0-30	1374	24.9	45	11135	11709	12234
S/MH	1.3	5	1745	1769	1789	0-40	2231	40.5	55	9973	10741	11341
Lamp Type	LED	15	1664	1711	1739	0-60	3871	70.2	65	8780	9743	10362
Lumens	5508	25	1503	1572	1623	0-90	5124	92.9	75	7612	9016	9747
Input Watts	53	35	1275	1378	1445	90-120	242	4.4	85	6366	13527	14364
Efficacy	104	45	1010	1139	1216	90-130	283	5.1				
		55	737	875	953	90-150	348	6.3				
		65	482	617	684	90-180	390	7.1				
		75	260	389	449	0-180	5514	100.0				
		85	79	293	355							
		95	7	130	178							
		105	18	63	123							
		115	24	49	47							
		125	29	50	53							
		135	37	44	56							
		145	44	43	55							
		155	48	51	50							
		165	51	55	43							
		175	53	53	28							

Comparative yearly lighting energy cost per 1000 lumens – \$2.29 based on 3000 hrs. and \$.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.

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