

Revolutionize linear lighting with LED

FLUXSTREAM LED LINEAR WITH REFLECTOR



PHILIPS DAY-BRITE/CFI FLUXSTREAM LED LINEAR WITH REFLECTOR

The FluxStream LED Linear with Reflector is a new, 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.

Project: _____
 Location: _____
 Catalog No: _____
 Fixture Type: _____
 Mfg: _____ Qty: _____
 Notes: _____

Ordering guide

example: LFR4FLSLD3740UDZT

Series	Length	Lens	Reflector	Lumens	Color	Voltage	Driver	Options
LFR	4	FL		37			-	
LFR FluxStream Reflector	4 4' length (nominal)	FL Frosted linear lens	SLD Solid SLT Slotted PER Perforated	37 3700 lumens (nominal)	40 4000K 35 3500K	U Universal 120/277V 3 347V	LAG LED driver DZT 0-10v dimming SZT Step dimming (100-40)	EM¹ Factory wired remote emergency pack. Nominal 1100 lm

1. Emergency (EM) – factory wired surface mount housing assembly is remote mounted from the fixture. Standard flex length is 6'. Consult factory for optional lengths. Nominal 1100 lumen output.
 2. LFR4FL37 input power is 40W compared to a 2xF28T5 drawing 63W.

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.
- **FH360-120** – 120V motion sensor, field installed via 7/8" KO on end cap
- **FH360-277** – 277V motion sensor, field installed via 7/8" KO on end cap
- **FH360-347** – 347V motion sensor, field installed via 7/8" KO on end cap
- **LF4LNFR** – 100% frosted replacement lens

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.

Mounting 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



PHILIPS
Day-Brite

PHILIPS
CFI

FLUXSTREAM LED LINEAR WITH REFLECTOR

Features

- SLT and PER reflector options provide 8-10% 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.
- Variety of mounting options for installation flexibility.
- Wall mountable – ADA compliant.
- 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 energy².
- 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 step dimming options available. 0-10V dimming and 100/40 step dimming. 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. Predicted L70 lifetime based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.

Materials

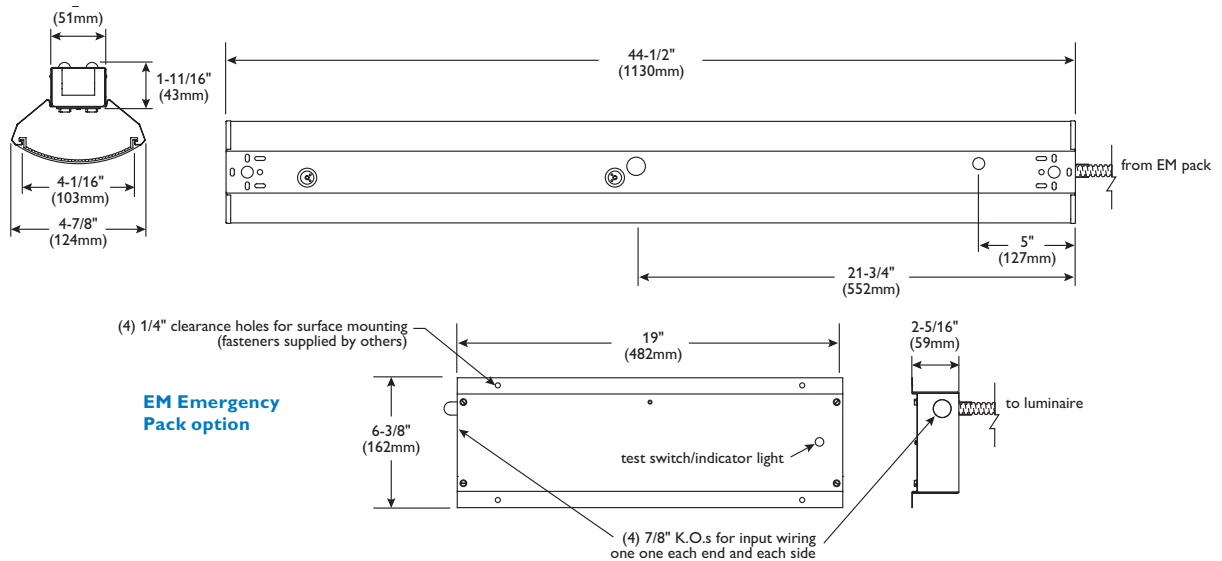
Heavy gauge cold rolled steel housing and LED pan. Polycarbonate injection molded endcaps.

Labels

cETLus listed.

Suitable for damp locations.

Dimensions



FluxStream Reflector 4' fixture with 100% frost lens, 40W LED, 4000K, 3700 lumens, perforated reflector

Cat No: LFR4FLPER3740ULAG

Report no¹: C12169
Output lumens: 3861 lms
CCT²: 4000K
Input watts³: 40.8W
Efficacy: 95lm/w
CIE type: Direct
Plane: 0° 90°
Spacing crit.: 1.2 1.2
Luminous length: 44.04 3.96

Candela distribution

Vertical Angle	Horizontal Angle 0°	Horizontal Angle 45°	Horizontal Angle 90°	Zonal Lumens
0	1290	1290	1290	
5	1278	1297	1262	124
15	1214	1242	1212	346
25	1089	1130	1109	513
35	917	971	961	598
45	719	785	782	592
55	514	587	590	509
65	325	400	563	411
75	168	296	323	280
85	47	138	179	136
90	3	74	105	
95	3	46	71	48
105	8	50	63	46
115	19	60	63	51
125	35	67	72	54
135	49	67	78	51
145	58	65	77	42
155	62	68	74	31
165	64	68	69	19
175	65	66	63	6
180	64	64	64	

Zonal summary (total efficiency)

Zone	Lumens	%Luminaire
0-30	984	25.51
0-40	1581	41.01
0-60	2682	69.56
0-90	3508	90.98
40-90	1927	49.98
60-90	826	21.43
90-180	348	9.02
0-180	3856	100.00

Average Luminance (cd/m²)

Vertical Angle	Horizontal Angle 0°	Horizontal Angle 45°	Horizontal Angle 90°
45	8951	9809	9778
55	7898	9041	9088
65	6779	8369	11774
75	5701	10068	11025
85	4774	13995	18131

Coefficients of utilization

Ceiling	80%			50%			30%			
Wall	70	50	30	50	30	10	50	30	10	
RC	Zonal cavity method									
RW	Effective floor reflectance = 20%									
Room Cavity Ratio	1	107	102	98	93	90	87	87	85	83
	2	98	90	83	82	77	73	78	74	70
	3	89	79	72	73	67	62	69	64	60
	4	83	71	63	66	59	54	62	57	52
	5	76	64	55	59	52	47	56	50	46
	6	70	57	49	53	46	41	51	45	40
	7	65	51	43	48	41	36	46	39	35
	8	60	47	39	44	37	32	42	36	31
	9	56	43	35	40	33	28	38	32	27
	10	52	39	31	36	30	25	35	29	24

FLUXSTREAM LED LINEAR WITH REFLECTOR

FluxStream Reflector 4' fixture with 100% frost lens, 40W LED, 4000K, 3700 lumens, slotted reflector

Cat No: LFR4FLSLT3740ULAG

Report no¹: C12170
Output lumens: 3748lms
CCT²: 4000K
Input watts³: 40.0W
Efficacy: 94lm/w
CIE type: Direct
Plane: 0° 90°
Spacing crit.: 1.2 1.2
Luminous length: 44.04 3.96

Candela distribution

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	1278	1278	1278	
5	1267	1285	1251	123
15	1204	1232	1203	344
25	1080	1123	1103	510
35	911	968	956	595
45	715	783	778	590
55	513	585	582	507
65	327	400	410	381
75	171	244	262	245
85	49	164	201	142
90	4	61	75	
95	9	37	38	36
105	22	38	40	51
115	34	57	40	46
125	42	64	60	50
135	48	60	70	47
145	51	53	67	37
155	52	64	65	28
165	51	60	64	17
175	51	52	52	5
180	51	51	51	

Zonal summary (total efficiency)

Zone	Lumens	%Luminaire
0-30	977	26.09
0-40	1571	41.98
0-60	2668	71.28
0-90	3437	91.81
40-90	1865	49.83
60-90	768	20.53
90-180	307	8.19
0-180	3743	100.00

Average Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0°	45°	90°
45	8898	9784	9721
55	7883	9012	8967
65	6822	8359	8571
75	5822	8307	8937
85	4986	16650	20378

Coefficients of utilization

Ceiling	80%			50%			30%			
Wall	70	50	30	50	30	10	50	30	10	
RC	Zonal cavity method									
RW	Effective floor reflectance = 20%									
Room Cavity Ratio	1	107	102	98	93	90	88	88	86	83
	2	98	90	84	83	78	74	78	75	71
	3	90	80	72	74	68	63	70	65	61
	4	83	72	64	66	60	55	63	58	53
	5	77	64	56	60	53	48	57	51	46
	6	71	58	49	54	47	42	51	45	41
	7	65	52	44	49	41	36	46	40	35
	8	60	47	39	44	37	32	42	36	32
	9	56	43	35	40	33	29	39	32	28
	10	52	39	31	37	30	26	35	29	25

FluxStream Reflector 4' fixture with 100% frost lens, 40W LED, 4000K, 3700 lumens, solid reflector

Cat No: LFR4FLSLD3740ULAG

Report no¹: C12171
Output lumens: 3635lms
CCT²: 4000K
Input watts³: 40.0W
Efficacy: 91lm/w
CIE type: Direct
Plane: 0° 90°
Spacing crit.: 1.2 1.2
Luminous length: 44.04 3.96

Candela distribution

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	1351	1351	1351	
5	1337	1356	1323	130
15	1271	1299	1272	363
25	1140	1183	1166	538
35	962	1019	1011	628
45	755	824	823	622
55	543	614	619	534
65	345	414	422	396
75	180	243	260	246
85	51	119	141	119
90	5	74	99	
95	1	42	65	42
105	0	6	21	10
115	0	0	1	1
125	1	0	0	0
135	1	1	1	1
145	1	1	1	1
155	1	1	1	1
165	2	1	1	0
175	2	2	2	0
180	2	2	2	

Zonal summary (total efficiency)

Zone	Lumens	%Luminaire
0-30	1031	28.39
0-40	1658	45.68
0-60	2814	77.52
0-90	3574	98.46
40-90	1916	52.78
60-90	760	20.93
90-180	56	1.54
0-180	3630	100.00

Average Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0°	45°	90°
45	9405	10301	10293
55	8331	9461	9547
65	7198	8651	8823
75	6109	8288	8865
85	5148	12005	14343

Coefficients of utilization

Ceiling	80%			50%			30%			
Wall	70	50	30	50	30	10	50	30	10	
RC	Zonal cavity method									
RW	Effective floor reflectance = 20%									
Room Cavity Ratio	1	109	104	100	97	94	91	93	91	88
	2	100	92	86	86	82	77	83	79	75
	3	92	82	74	77	71	66	74	69	65
	4	85	74	65	69	63	58	67	61	57
	5	78	66	57	62	55	50	60	54	49
	6	72	59	51	56	49	44	55	48	43
	7	66	53	45	51	43	38	49	43	38
	8	62	48	40	46	39	34	45	38	34
	9	57	44	36	42	35	30	41	35	30
	10	53	40	32	39	32	27	38	31	27

1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
2. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
3. Wattage controlled to within 5%.



©2014 Koninklijke Philips N.V. All rights reserved.
Philips reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.

philips.com/luminaires

Philips Lighting
North America Corporation
200 Franklin Square Drive
Somerset, NJ 08873
Tel. 855-486-2216

Imported by: Philips Lighting
A division of Philips Electronics Ltd.
281 Hillmount Rd,
Markham, ON Canada L6C 2S3
Tel. 800-668-9008