PHILIPS

Linear

Strip

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

Philips Linear Strip is a high performing LED luminaire delivering smoothly diffused illumination ideal for light industrial, commercial and residential applications.

Ordering guide

Example: PFSSEZ440L840-UNV

Series	Length (nominal)	Lumens[1] (nominal)	Color temp. (K)	Voltage
PFSSEZ	4	40L	–	UNV –
PFSSEZ Linear Strip LED	**4** 4' length	**40L** 4000 lumens	**830** 80 CRI, 3000K **840** 80 CRI, 4000K	**UNV** Universal voltage 120-277V (non-dimmable)

1. Nominal delivered lumens at 25°C ambient.

Accessories (order separately)

- **PFSSWG4** - 4' Wire guard
- (See last page for details and more options)

Performance data

Fixture	Lumens	Wattage	Efficacy
PFSSEZ440L840	3653lm	32W	114lm/w

Linear Strip LED

4ft / 4000 lumens

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.
- Convenient nominal 4' length accommodates many field applications.
- Up to 50,000 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.
- PFSS440L840-UNV is DLC qualified. PFSS440L830-UNV is not DLC qualified. Please see the DLC QPL list for exact catalog numbers (http://www.designlights.org/QPL).
- 5 year manufacturer's 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.

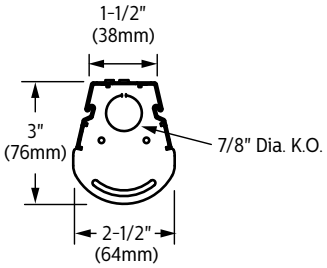
Materials

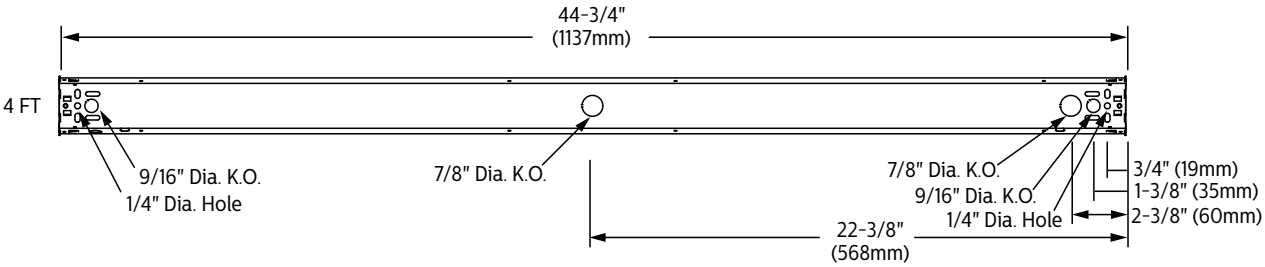
- Heavy gauge cold rolled steel housing, LED plate, and end caps.

Labels

- cETLus listed.
- Suitable for damp locations.

Dimensions





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.

Lighttogo

Linear Strip LED

4ft / 4000 lumens

Photometry

4' Linear Strip LED, 4000 nominal delivered lumens

LER - 114

Catalog No.	PFSSEZ440L840-UNV
Test No.	37445
S/MH	1.3
Lamp Type	LED
Lumens	3653
Input Watts	32

Comparative yearly lighting energy cost per 1000 lumens – **$2.11** 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.

Candlepower

Angle	End	45	Cross	Back-45
0	1050	1050	1050	1050
5	1031	1045	1053	1045
15	989	1010	1025	1010
25	904	938	967	938
35	786	837	881	837
45	647	726	782	726
55	493	587	667	587
65	309	421	545	421
75	155	303	398	303
85	29	204	298	204

Light Distribution

Degrees	Lumens	% Luminaire
0-30	817	22.4
0-40	1341	36.7
0-60	2416	66.1
0-90	3357	91.9
90-180	296	8.1
0-180	3653	100

Average Luminance

Zone	End	45°	Cross
45	13707	11958	11915
55	12754	10817	11115
65	10675	9122	10361
75	8488	8267	9143
85	4081	7810	8995

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)								
pfc =	20							
Ceil	80			70			50	
Wall	70	50	30	70	50	30	50	30
RCR								
0	117	117	117	113	113	113	107	107
1	105	98	93	101	95	92	91	86
2	94	85	78	91	82	76	78	72
3	85	75	66	82	72	65	68	61
4	79	66	56	76	64	56	60	53
5	71	58	48	68	56	47	54	46
6	67	53	44	64	51	42	48	40
7	61	47	39	58	46	38	44	36
8	56	44	34	55	41	34	40	33
9	54	40	32	52	39	30	36	29
10	50	37	29	48	36	28	34	27

Accessories

Accessory Catalog Code	Description	
PFSTH	Sliding hanger bracket (pair)	
PFKR-126	Chain hanger set (pair)	Includes two 5' heavy duty link chains with "V" hooks. Attaches to base of housing.
PDACH48	Adjustable cable hanger kit (single)	Two cable kits required for each luminaire, or at each junction when continuous row mounted.
PDACH48-1-SC	Adjustable cable hanger kit with white straight 18/3 cord (single)	Two cable kits required for each luminaire, or at each junction when continuous row mounted.
PFSSWG4	4' Wire guard	

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philips.com/Light**togo**

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

Philips Lighting Canada Ltd.
281 Hillmount Rd, Markham, ON, Canada L6C 2S3
Tel. 800-668-9008