

PHILIPS

Linear

Wraparound



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

Philips Linear Wraparound is a high performing LED luminaire delivering smoothly diffused illumination ideal for commercial and residential applications.

Ordering guide

Example: PFSWEZ440L840-UNV

Series	Length (nominal)	Lumens ¹ (nominal)	Color temp. (K)	Voltage
PFSWEZ	4	40L	<input type="text"/> -	UNV -
PFSWEZ Linear Wraparound	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)

- **PFSWJ** - Continuous row joiner (one per joint required)
- (See last page for details and more options)

Linear Wraparound LED

4ft / 4000 lumens*

Features

- Compact design for installation in tight spaces
- Frosted acrylic diffuser provides wide light distribution and superior glare control
- Injection molded lens retainer provides positive diffuser retention and easy 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)
- PFSWJ accessory required for continuous row mounting, one PFSWJ at each joint
- 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.
- 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

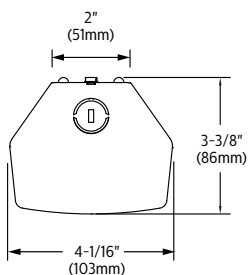
- Heavy gauge cold rolled steel housing, LED plate, and end caps

Labels

- cETLus listed
- Suitable for damp locations

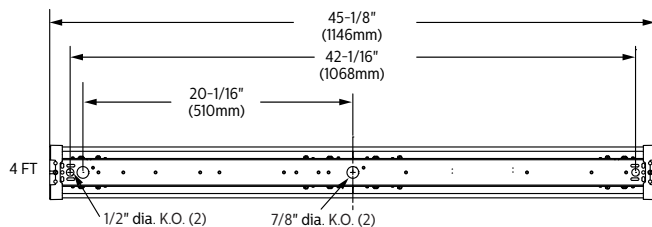
* Nominal lumens at 25°C ambient

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.



Linear Wraparound LED

4ft / 4000 lumens

Photometry

4' Linear Wraparound LED, 4000 nominal delivered lumens

LER - 104

Catalog No.	PFSWEZ440L840-UNV
Test No.	37443
S/MH	1.3
Lamp Type	LED
Lumens	3325
Input Watts	32

Comparative yearly lighting energy cost per 1000 lumens – **\$2.31** 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	906	906	906	906
5	892	903	909	903
15	862	883	895	883
25	799	833	852	833
35	707	756	780	756
45	593	661	689	661
55	429	543	577	543
65	291	386	439	386
75	153	261	303	261
85	36	147	198	147

Light Distribution

Degrees	Lumens	% Luminaire
0-30	718	21.5
0-40	1189	35.7
0-60	2165	64.9
0-90	2956	88.7
0-180	3333	100

Average Luminance

Zone	End	45°	Cross
45	16190	7464	6347
55	13966	5970	5063
65	12209	4261	3785
75	9391	2989	2649
85	4390	1800	1808

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)												
pfc =	20			80			70			50		
Ceil												
Wall	70	50	30	70	50	30	70	50	30	50	30	
RCR												
0	115	115	115	112	112	112	105	105	105	105	105	
1	105	98	94	101	95	92	90	85	85	85	85	
2	94	85	79	91	82	76	78	71	71	71	71	
3	85	75	66	81	71	65	68	60	60	60	60	
4	78	66	56	75	64	56	59	53	53	53	53	
5	71	58	50	68	56	47	54	46	46	46	46	
6	66	53	44	64	51	42	47	40	40	40	40	
7	60	47	39	58	46	38	44	35	35	35	35	
8	56	42	34	55	41	34	40	33	33	33	33	
9	53	40	30	51	39	30	36	29	29	29	29	
10	50	36	28	47	35	28	34	27	27	27	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.
PFSWJ	External continuous row joiner (one per joint)	PFSWJ accessory required for continuous row mounting

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