

WPC4

LED Linear Wrap

Product Description

The WPC4 LED Linear Wrap is a cost-effective, energy-efficient alternative to traditional fluorescent wrap fixtures. Its modern, low-profile design features a curved, milky-white lens for uniform light distribution and an enhanced aesthetic without hotspots. The WPC4 offers field-selectable wattage and CCT, allowing customization of both light output and color temperature on-site. Available CCT options include 3000K, 3500K, 4000K, 5000K, and 6500K, with selectable lumen outputs of Minimum, Low, Medium, or High to suit a variety of application needs. An integrated lens latch provides tool-free access for easy installation and maintenance. Suitable for surface mounting on ceilings or walls, the WPC4 is ideal for retail, warehouse, residential utility, light commercial, and industrial environments.

Construction

- Lengths of 2' and 4'
- Durable steel construction with powder coat finish
- Smooth formed sides for safe handling
- Polymer endcaps

Optical System

- Precision engineered polystyrene diffuser with easy access removal latch
- Selectable CCTs of 3000, 3500K, 4000K, 5000K and 6500K.
- >80 CRI for good color definition

Electrical

- Input voltage of 120-277VA
- CCT and wattage selector switch accessible on the side of the body
- Selectable power levels: 2': 25/20/16/12W, 4': 46/38/31/24W
- Dim to off dimming via 0-10VDC controls
- Emergency Battery Backup option available on 4' model
- Operating temperature range: -4°F to 122°F (-20° to 50°C)

Mounting and installation

- Quick and easy single person installation
- Lens removes easily with easy access latch
- Mounting to surface, junction box, or by suspension possible.
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the fixture or electrical distribution panel

Finish

- White powder coat finish

Listings

- cULus 1598 Listed for damp locations
- DLC5.1 Standard listed for Linear Ambient
- DLC5.1 Premium listed for Stairwell
- RoHS Compliant
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- TM-21 Reported L70(9k) life >50,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards

Warranty

- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.)
For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Project

Catalog

Type

Date



WPC4
LED Wrap
2' and 4' lengths
Wattage Selectable
CCT Selectable



NICOR[®]

WPC4

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Ordering

Ordering Information

Example: WPC4225WSUS8WH

Series	Version	Length	Wattage (Selectable)	Voltage	CCT	CRI	Color	Motion Sensor	EM Backup
WPC	4	2 (2 Foot)	25WS (12/16/20/25W)	U (120-277V)	S (5CCT 30-65K)	8 (80+)	WH (White)	___ (none)	___ (none)
		4 (4 Foot)	46WS (24/31/38/46W)					M (Sensor Ready)	E1 (EM Backup) ¹

Specifications and dimensions subject to change without notice.

¹) EM available on 4' models only

Accessories

Mounting Accessories

Aircraft Cable Kit (10ft) - Paddle End HB-LG-120-18Y-PAD

Sensor Accessories

PIR Sensor SNAPINSENSORPIR1WH

NICOR NLC Sensor NLCSPSS1WH

Performance Data

Performance Data

Model	WSetting	CCT	Lumens	Max Watts	Efficiency
WPC4225	12	3000	1466	11.6	126.7
		3500	1521	11.4	133.0
		4000	1566	11.3	139.0
		5000	1577	11.4	137.8
		6500	1566	11.6	134.4
	16	3000	1913	15.4	124.4
		3500	1985	15.2	130.6
		4000	2043	15.0	136.5
		5000	2057	15.2	135.3
		6500	2043	15.5	132.0
	20	3000	2466	20.2	121.9
		3500	2559	20.0	128.0
		4000	2634	19.7	133.9
		5000	2652	20.0	132.6
		6500	2634	20.4	129.4
	25	3000	2969	25.4	116.9
		3500	3081	25.1	122.7
		4000	3171	24.7	128.3
		5000	3193	25.1	127.1
		6500	3127	25.6	122.3

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Performance Data

Performance Data						
Model	WSetting	CCT	Lumens	Max Watts	Efficiency	EM Lumens
WPC4446	24	3000	3063	23.8	128.7	1029
		3500	3158	23.6	133.8	1070
		4000	3252	23.3	139.8	1118
		5000	3295	23.4	140.7	1125
		6500	3252	23.9	135.8	1087
	31	3000	3857	30.8	125.2	1002
		3500	3976	30.5	130.2	1041
		4000	4094	30.1	136.0	1088
		5000	4149	30.3	136.9	1095
		6500	4094	31.0	132.2	1058
	38	3000	4607	37.8	121.7	974
		3500	4750	37.5	126.5	1012
		4000	4891	37.0	132.2	1058
		5000	4956	37.2	133.1	1065
		6500	4891	38.1	128.5	1028
	46	3000	5317	45.1	117.9	943
		3500	5482	44.7	122.5	980
		4000	5644	44.1	128.1	1024
		5000	5720	44.4	128.9	1031
		6500	5574	45.4	122.9	983



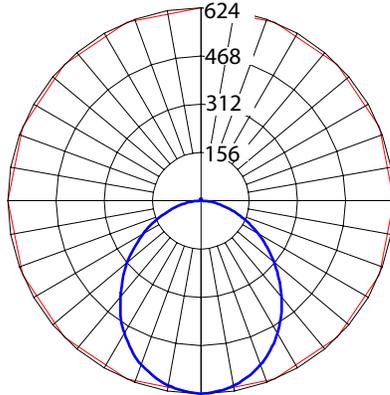
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Photometric Data

WPC 2' 12W 4000K

Input Voltage (VAC)	120-277
System Level Power (W)	11.3
Delivered Lumens (Lm)	1566
System Efficacy (Lm/W)	138.6
Correlated Color Temp (K)	4000
Color Rendering Index (CRI)	83
Beam Angle (0)	96.6
Beam Angle (90)	99.4
Spacing Criteria (0)	1.20
Spacing Criteria (90)	1.18



Intensity Summary (Candle Power)	
Angle	Mean CP
0	622
5	621
15	591
25	532
35	452
45	358
55	266
65	176
75	90
85	25
90	7

Cone of Light Tabulation		
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	38.9	9.0
6	17.3	13.5
8	9.7	18.0
10	6.2	22.4
12	4.3	26.9
14	3.2	31.4
16	2.4	35.9

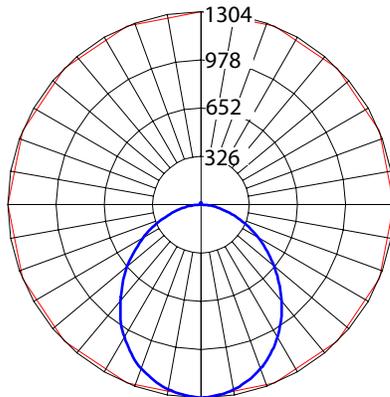
Zonal Lumen Summary		
Zone	Lumens	% of Luminaire
0-30	467	29.8%
0-40	745	47.6%
0-60	1247	79.6%
0-90	1548	98.8%
90-180	18	1.1%
0-180	1566	100%

Lumen Multiplier					
	30K	35K	40K	50K	65K
12	0.9363	0.9717	1.0000	1.0070	1.0000
16	1.2219	1.2681	1.3050	1.3142	1.3050
20	1.5752	1.6348	1.6824	1.6942	1.6824
25	1.8964	1.9683	2.0255	2.0397	1.9975

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

WPC 4' 24W 4000K

Input Voltage (VAC)	120-277
System Level Power (W)	23.3
Delivered Lumens (Lm)	3252
System Efficacy (Lm/W)	139.6
Correlated Color Temp (K)	4000
Color Rendering Index (CRI)	83
Beam Angle (0)	95.5
Beam Angle (90)	101.2
Spacing Criteria (0)	1.20
Spacing Criteria (90)	1.18



Intensity Summary (Candle Power)	
Angle	Mean CP
0	1304
5	1298
15	1243
25	1127
35	965
45	771
55	571
65	377
75	193
85	46
90	10

Cone of Light Tabulation		
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	81.4	8.8
6	36.1	13.2
8	20.3	17.6
10	13.0	22.0
12	9.0	26.4
14	6.6	30.8
16	5.0	35.2

Zonal Lumen Summary		
Zone	Lumens	% of Luminaire
0-30	975	30%
0-40	1556	47.8%
0-60	2604	80.1%
0-90	3223	99.1%
90-180	29	0.9%
0-180	3252	100%

Lumen Multiplier					
	30K	35K	40K	50K	65K
24	0.9420	0.9712	1.0000	1.0134	1.0000
31	1.1862	1.2229	1.2592	1.2760	1.2592
38	1.4169	1.4608	1.5041	1.5242	1.5041
46	1.6352	1.6859	1.7358	1.7591	1.7143

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

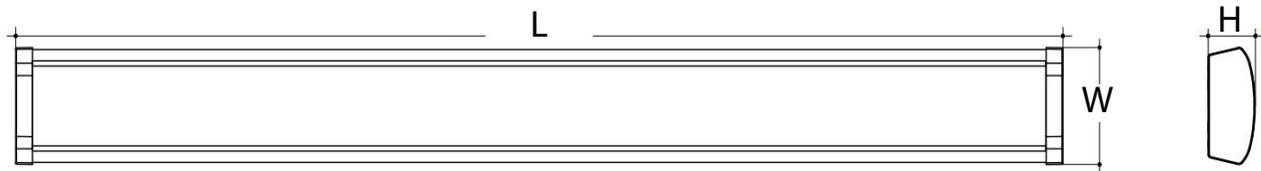


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Dimensions

Product Measurements		
	2ft	4ft
Length:	24.4 in. (620mm)	47.6 in. (1210mm)
Width:	5.3 in. (135mm)	
Height:	2.1 in. (54mm)	



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.