# WPC4

LED Linear Wrap

Project

Catalog

Type

Date

## 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




**WPC4**
**LED Wrap**
2′ and 4′ lengths
Wattage Selectable
CCT Selectable

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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)[2] | ☐ **E1** (EM Backup)[1,2] |

*Specifications and dimensions subject to change without notice.*
*1) EM available on 4' models only*
*2) MTO (Made To Order)*

## 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 | W Setting | 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 |

## Performance Data

| Performance Data | | | | | | |
|---|---|---|---|---|---|---|
| **Model** | **W Setting** | **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 |

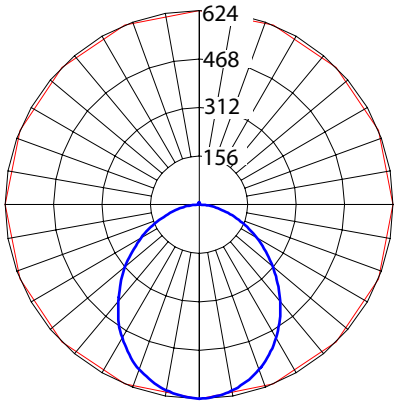
# WPC4

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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% |

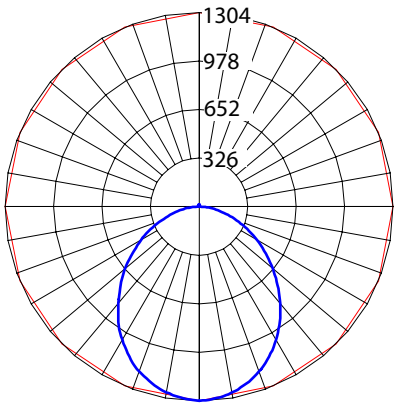
**Lumen Multiplier**

| | 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 |

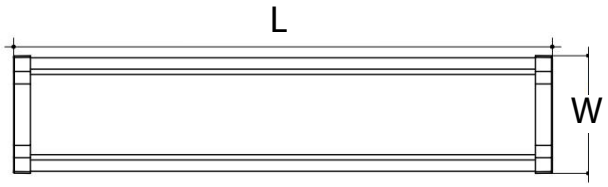
Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

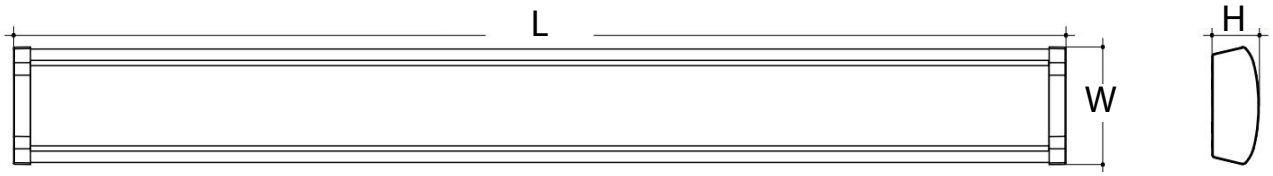
# WPC4

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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.