

# WPLED4T105YW/PCS2



Ultra high output, high efficiency 105 Watt LED wallpacks. Patent Pending airflow technology ensures long LED and driver lifespan. 5 Year Warranty.

Color: White

Weight: 34.8 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

## Driver Info

Type:	Constant Current
120V:	N/A
208V:	0.58A
240V:	0.50A
277V:	0.44A
Input Watts:	106W
Efficiency:	99%

## LED Info

Watts:	105W
Color Temp:	3000K (Warm)
Color Accuracy:	81 CRI
L70 Lifespan:	100,000
Lumens:	8,461
Efficacy:	80 LPW

**Technical Specifications**

**Other**

**WPLED4T105 with Photocell:**

277V Swivel Photocell Included. Photocell is compatible with 208V-277V.

**California Title 24:**

WPLED4T105/PCS2 complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 30 Watts mounted at height greater than 24 feet. For mounting heights < 24 feet see WPLED4T105/BL with bi-level operation; additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

**Warranty:**

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

**Patents:**

The design of WPLED105 is protected by patents pending in US, Canada, China, Taiwan and Mexico.

**Country of Origin:**

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

**Buy American Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

**Recovery Act (ARRA) Compliant:**

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

**Trade Agreements Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

**GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4.

**Listings**

**UL Listing:**

Suitable for wet locations.

**IESNA LM-79 & LM-80 Testing:**

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have been received the Department of Energy "Lighting Facts" label.

**DLC Listed:**

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

**Dark Sky Approved:**

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

**LED Characteristics**

**Lifespan:**

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

**LEDs:**

Multi-chip, high-output, long-life LEDs

**Color Consistency:**

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

**Color Stability:**

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

**Color Uniformity:**

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

**Construction**

**IES Classification:**

The Type IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semiCircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

**IP Rating:**

Ingress Protection rating of IP66 for dust and water.

**Ambient Temperature:**

Suitable for use in 40°C (104°F) ambient temperatures.

**Cold Weather Starting:**

The minimum starting temperature is -40°F/-40°C.

**Thermal Management:**

Superior thermal management with external Air-Flow fins.

**Housing:**

Die-cast aluminum housing, lens frame and mounting arm

**Mounting:**

Heavy-duty mounting arm with "O" ring seal & stainless steel screws

**Reflector:**

Specular vacuum-metallized polycarbonate

**Technical Specifications (continued)**

**Construction**

**Gaskets:**

High-temperature silicone gaskets

**Finish:**

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

**Green Technology:**

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

**For use on LEED Buildings:**

IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.

**Electrical**

**Drivers:**

Two Drivers, Constant Current, Class 2, 1400mA, 100-277V, 50/60Hz, 0.8A, Power Factor 99%

**THD:**

7.6% at 120V, 16.2% at 277V

**Optical**

**BUG Rating:**

B1 U0 G2

### Dimensions



### Features

- High output, high efficiency LED
- Maintains 70% of initial lumens at 100,000 hours
- Weatherproof high temperature silicone gaskets
- Superior heat sinking with die cast aluminum housing and external fins
- 100 up to 277 Volts
- 5-year warranty

### Ordering Matrix

Family	Distribution	Watts	Color Temp	Mount	Finish	Voltage	Photocell	Dimming	Sensor	Bi-Level
WPLED										
	2T = Type II 3T = Type III 4T = Type IV	105 = 105W	= Cool Y = Warm N = Neutral	= Standard FX = Flat Wall	= Bronze W = White	= 120-277V /480 = 480V	= No Photocell /PC = 120V Button /PC2 = 277 Button /PCS = 120V Swivel /PCS2 = 277V Swivel /PCT = 120-277V Twistlock /PCS4 = 480V Swivel /PCT4 = 480V Twistlock	= No Dimming /D10 = Dimmable	/WS2 = Multi-Level Motion Sensor (Only available for 120-277V with /D10 for 105W)	= No Bi-Level /BL = Bi-Level