

WPLED4T105YFXW/BL



| | |
|---------------------|--------------|
| Project: | Type: |
| Prepared By: | Date: |

| Driver Info | | LED Info | |
|--------------------|------------------|-----------------|--------|
| Type: | Constant Current | Watts: | 105W |
| 120V: | 0.89A | Color Temp: | 3000K |
| 208V: | 0.58A | Color Accuracy: | 81 CRI |
| 240V: | 0.50A | L70 Lifespan: | 100000 |
| 277V: | 0.44A | Lumens: | 8,461 |
| Input Watts: | 106W | Efficacy: | 80 LPW |
| Efficiency: | 99% | | |

Technical Specifications

Other

WPLED4T105 with Bi-Level Operation:

Allows 50% and 100% output modes.

California Title 24:

WPLED4T105/BL with bi-level operation is compliant with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 30 Watts mounted up to 24 feet when used with a RAB photo/motion control. ___ Select a photo/motion control using catalog number STL110, STL200 or STL360. ___ Mounting heights greater than 24 feet require only a photocell. ___ See WPLED4T105/PC, WPLED4T105/PC2, WPLED4T105/PCS, WPLED4T105/PCS2 or WPLED4T105/PCT for photocell models.

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.

Dark Sky Approved:

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

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.
DLC Product Code: PYNW9P5Y

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.

Maximum Ambient Temperature:

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

Cold Weather Starting:

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

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. RoHS compliant components. 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

WPLED4T105YFXW/BL



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 | 105 = | Blank = | Blank = | Blank = | Blank = | Blank = No | Blank = No | /WS2 = Multi-Level Motion Sensor (Only available for 120-277V with /D10 for 105W) | Blank = No | Blank = No |
| 3T = Type III | 105W | 5000K (Cool) | Standard | Bronze | 120-277V | Photocell | Dimming | | Bi-Level | |
| 4T = Type IV | | Y = 3000K (Warm) | FX = Flat Wall | W = White | /480 = 480V | /PC = 120V Button | /D10 = Dimmable | | /BL = Bi-Level | |
| | | N = 4000K (Neutral) | | | | /PC2 = 277 Button | | | | |
| | | | | | | /PCS = 120V Swivel | | | | |
| | | | | | | /PCS2 = 277V Swivel | | | | |
| | | | | | | /PCT = 120-277V Twistlock | | | | |
| | | | | | | /PCS4 = 480V Swivel | | | | |
| | | | | | | /PCT4 = 480V Twistlock | | | | |