

# WPLED2T78YFX/480/PCS4



|                     |              |
|---------------------|--------------|
| <b>Project:</b>     | <b>Type:</b> |
| <b>Prepared By:</b> | <b>Date:</b> |

| <b>Driver Info</b> |                  | <b>LED Info</b> |        |
|--------------------|------------------|-----------------|--------|
| Type:              | Constant Current | Watts:          | 78W    |
| 120V:              | N/A              | Color Temp:     | 3000K  |
| 208V:              | N/A              | Color Accuracy: | 82 CRI |
| 240V:              | N/A              | L70 Lifespan:   | 100000 |
| 277V:              | N/A              | Lumens:         | 5,710  |
| Input Watts:       | 78W              | Efficacy:       | 73 LPW |
| Efficiency:        | N/A              |                 |        |

## Technical Specifications

### Electrical

#### Photocell:

480V Swivel Photocell Included. Photocell is only compatible with 480V.

#### Driver:

Constant Current, Class 2, 2000mA, 347-480V, 50-60Hz, 0.17A, Power Factor 94.5%

#### THD:

11.7% at 480V

#### Starting/Operating Amps:

480V = 0.17A

#### Surge Protection:

6kV

### Listings

#### UL Listing:

Suitable for wet locations as a downlight.

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

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have 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.

### Optical

#### Lumen Maintenance:

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

#### Replacement:

The WPLED78 replaces 400W Metal Halide Wallpacks.

#### BUG Rating:

B1 U0 G1

### Construction

#### IP Rating:

Ingress Protection rating of IP66 for dust and water.

#### Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

#### Cold Weather Starting:

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

#### Thermal Management:

Superior heat sinking with external Air-Flow fins.

#### Housing:

Die cast aluminum housing, lens frame and mounting arm.

#### Reflector:

Specular vacuum-metallized polycarbonate

#### 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.

### LED Characteristics

#### LEDs:

Six (6) multi-chip, 13W, 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.

### Other

#### California Title 24:

WPLED2T78/PCS4 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 WPLED2T78/BL with bi-level operation; additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

## Technical Specifications (continued)

### Other

#### 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 WPLED design is protected by patents pending in the U.S., 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.

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## Dimensions



## Features

- High performance LED light engine
- 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
- Replaces 400W MH
- 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<br>3T = Type III<br>4T = Type IV | 78 = 78W | Blank = 5000K (Cool)<br>Y = 3000K (Warm)<br>N = 4000K (Neutral) | Blank = Standard<br>FX = Flat Wall | Blank = Bronze<br>W = White | Blank = 120-277V<br>/480 = 480V | Blank = No Photocell<br>/PC = 120V Button<br>/PC2 = 277 Button<br>/PCS = 120V Swivel<br>/PCS2 = 277V Swivel<br>/PCS4 = 480V Swivel | Blank = No Dimming<br>/D10 = Dimmable | /WS2 = Multi-Level Motion Sensor (Only available for 120-277V with /D10 for 50W) | Blank = No Bi-Level<br>/BL = Bi-Level |