

# WPLED2T78W/D10/WS2



LED 78W Wallpacks with multi-level motion sensor. 3 cutoff options. Patent Pending thermal management system. 100,000 hour L70 lifespan. 5 Year Warranty.

Color: White

Weight: 28.0 lbs

Project:

Type:

Prepared By:

Date:

### Driver Info

Type:	Constant Current
120V:	0.66A
208V:	0.41A
240V:	0.41A
277V:	0.30A
Input Watts:	79W
Efficiency:	98%

### LED Info

Watts:	78W
Color Temp:	5100K
Color Accuracy:	67 CRI
L70 Lifespan:	100000
Lumens:	7,716
Efficacy:	97 LPW

## Technical Specifications

### 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.

#### 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: PN3C8VH9

### Optical

#### Lumen Maintenance:

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

#### Specification Grade Optics:

The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. This type is meant for lighting larger areas and usually is located near the roadside. This type of lighting is commonly found on smaller side streets or jogging paths.

#### Replacement:

The WPLED78 replaces 400W Metal Halide Wallpacks.

#### BUG Rating:

B1 U0 G2

### 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.

### Electrical

#### Driver:

Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

#### THD:

5.0% at 120V, 12.3% at 277V

#### Surge Protection:

6kV

#### Dimming Driver:

Driver includes dimming control for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

## Technical Specifications (continued)

### Other

#### California Title 24:

See WPLED2T78/BL, WPLED2T78/PC, WPLED2T78/PC2, WPLED2T78/PCS, WPLED2T78/PCS2, WPLED2T78/PCT for a 2013 California Title 24 compliant product. Any 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 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.

### Sensor Specifications

#### Operating Voltage:

120V or 277V

#### Power Consumption:

1W

#### 0-10V Sinking Current:

50mA

#### Adjustable High and Low Modes:

High: 0-10V; Low: off, 0-9.8V

#### Adjustable Time Delay:

Amount of time in high mode with no motion before switching to low mode: 5 min., 1 -30 min.

#### Adjustable Cut Off Delay:

Time in which the fixture will remain on low mode with no motion before turning off and waiting for new motion to turn on: None, 1 -60 min., 1 -5 hrs.

#### Adjustable Sensitivity:

None, low, medium, maximum

#### Adjustable Setpoint:

None, 1 to 250 fc, auto

### Adjustable Ramp Up and Fade Down Times:

1 to 60 sec.

### Operating Temperature:

-40°F/-40°C. to 167°F (-40°C to +75°C)

### Operating Humidity:

20% to 90% noncondensing

### Relay Life Rating:

200,000 cycles (120/277VAC), 50,000 cycles (230VAC)

### IP Rating:

Ingress Protection rating of IP66 for dust and water.

### UL Listing:

Suitable for Wet Locations as factory installed.

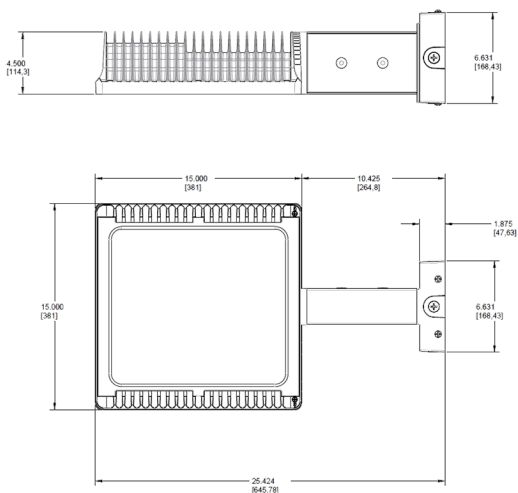
### Handheld Wireless Configuration Tool:

Adjust settings using handheld wireless configuration tool. Only available with 0-10V dimming driver options.

### Multi Level Motion Sensor:

40 ft. diameter coverage from 20 ft. height.

## 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