# WPLED4T78N/D10





LED 78W Wallpacks. 3 cutoff options. Patent Pending thermal management system. 100,000 hour L70 lifespan. 5 Year Warranty.

Color: Bronze Weight: 34.8 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info			
Type:	Constant Current	Watts:	78W		
120V:	0.66A	Color Temp:	4000K		
208V:	0.41A	Color Accuracy:	82 CRI		
240V:	0.41A	L70 Lifespan:	100000		
277V:	0.30A	Lumens:	6,673		
Input Watts:	79W	Efficacy:	84 LPW		
Efficiency:	98%				

# **Technical Specifications**

#### Electrical

#### **Dimming Driver:**

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

#### Driver:

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

#### THD:

4.4% at 120V, 12.8% at 277V

# 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.

#### 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: PWQJEXKA

# Optical

#### Lumen Maintenance:

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

#### **Specification Grade Optics:**

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°.

#### 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

#### 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 warrantied to shift no more than 200K in CCT over a 5 year period.

#### Color Temperature (Nominal CCT):

4100K.



# **Technical Specifications (continued)**

#### **LED Characteristics**

#### **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:

See WPLED4T78/BL 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.

# Dimensions 15.000 [74.7] 15.000 [78.7] 1.175. [47.6] (47.6) (47.6) (47.6) (47.6) (47.6) (47.6) (47.6)

# 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

# WPLED4T78N/D10



Family	Distribution	Watts	Color Temp	Mount	Finish	Voltage	Photocell	Dimming	Sensor	Bi-Level
WPLED										
	2T = Type II	78 =	Blank =	Blank =	Blank =	Blank =		Blank = No	/WS2 = Multi-Level Motion Sensor (Only	Blank = N
	3T = Type III	78W	5000K	Standard	Bronze	120-277V	Photocell	Dimming	available for 120-277V with /D10 for 50W)	Bi-Level
	4T = Type IV		(Cool)	FX = Flat	<b>W</b> =	/480 =	<b>/PC</b> = 120V	/D10 =		<b>/BL</b> = Bi-
			<b>Y</b> = 3000K	Wall	White	480V	Button	Dimmable		Level
			(Warm)				/PC2 = 277			
			<b>N</b> = 4000K (Neutral)				Button			
			(Neutrai)				/PCS = 120V			
							Swivel			
							/PCS2 =			
							277V			
							Swivel			
							/PCS4 =			
							480V			