WPLED20N

RAB LIGHTING

<table>
<tr><td>**Project:**</td><td>**Type:**</td></tr>
<tr><td>**Prepared By:**</td><td>**Date:**</td></tr>
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Driver Info

Type:	Constant Current
120V:	0.19A
208V:	0.12A
240V:	0.10A
277V:	0.08A
Input Watts:	22W
Efficiency:	91%

LED Info

Watts:	20W
Color Temp:	4000K (Neutral)
Color Accuracy:	74 CRI
L70 Lifespan:	100,000
Lumens:	1,111
Efficacy:	51 LPW

Ultra-high efficiency 20 Watt wallpack. Patent Pending thermal management system. 100,000 hour L70 lifespan. 5 Year Warranty.

Color: Bronze   Weight: 6.1 lbs

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

Dark Sky Approved:

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

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.

LED Characteristics

Lifespan:

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

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 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 C78.377-2008.

Color Accuracy:

74 CRI

Color Temperature (Nominal CCT):

4000K

Construction

Finish:

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

Cold Weather Starting:

The minimum starting temperature is -30°C.

Ambient Temperature:

Suitable for use in 50°C (122°F) ambient temperatures.

Thermal Management:

Integral cast aluminum mounting pad and external fins for optimal heat sinking to ensure cool operation with maximum LED life and light output.

Housing:

Precision die cast aluminum housing, lens frame and mounting plate.

Two Mounting Options:

Junction Box with 5 Conduit Entry Points and Threaded Plugs for surface mounting plus Cover Plate for mounting over 4" recessed junction box included with WPLED20N.

Green Technology:

RAB LEDs are Mercury, Arsenic and UV free.

For use on LEED Buildings:

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

Gaskets:

High Temperature Silicone.

Electrical

THD:

7.4% at 120V

Driver:

Automatic Voltage Sensing Driver for 120 - 277 volts.

Driver:

Constant Current, Class2, 100 -277V, 50/60 Hz, 100 - 240VAC 0.3 - 0.15A, 277VAC 0.15A

Surge Protection:

4kV

Optical

Fixture Efficacy:

50.5 Lumens per Watt

BUG Rating:

B1 U0 G0

Other

Patents:

The LPACK design is protected under patents in the U.S. Pat. D634873, Canada Pat. 133207, China Pat. ZL201030129137, Taiwan Pat. D139540 and Mexico Pat. 32491

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.

Technical Specifications (continued)

Other

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:
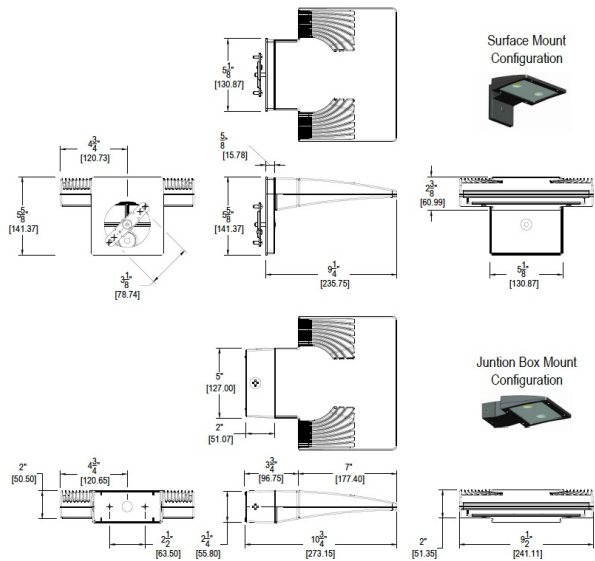
Suitable in accordance with FAR Subpart 25.4.

Equivalency:

The WPLED20N is Equivalent in delivered lumens to a 150W Metal Halide Wallpack.

HID Replacement Range:

The WPLED20N can be used to replace 100-175W Metal Halide Wallpacks based on delivered lumens.

Dimensions

Surface Mount Configuration

Juntion Box Mount Configuration

Features

- Ultra-high efficiency 20 Watt wallpack
- 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 100W MH
- 100 up to 277 Volts
- 5-year warranty

Ordering Matrix

Family	Watts	Color Temp	Sensor	Surface Plate	Finish	Photocell
WPLED						
	20 = 20W	**Blank** = Cool	**Blank** = No Sensor	**Blank** = No Surface Plate	**Blank** = Bronze	**Blank** = No Photocell
		Y = Warm	**MS** = Mini Sensor	**S** = Surface Plate	**W** = White	**/PC** = 120V Button
		N = Neutral				**/PCS** = 120V Swivel
						/PC2 = 277V Button

Need help? Tech help line: **888 RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

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