WPLED20DC

RAB LIGHTING

Project:	Type:
Prepared By:	Date:

Driver Info

Type:	DC to DC		
120V:	N/A		
208V:	N/A		
240V:	N/A		
277V:	N/A		
Input Watts:	24W		
Efficiency:	83%		

LED Info

Watts:	20W
Color Temp:	5000K
Color Accuracy:	70 CRI
L70 Lifespan:	100000
Lumens:	1,401
Efficacy:	58 LPW

LED Wallpacks for solar applications or other 10-30 VDC systems. Perfect for off-grid, remote-area lighting. Up to 85% more efficient than line voltage AC solutions. Available in 20 & 26 Watt.

Color: Bronze   Weight: 6.1 lbs

Technical Specifications

LED Characteristics

Lifespan:

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

LEDs:

Multi-chip (2)10 watt, high-output, long-life LEDs.

Color Consistency:

7-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 Accuracy:

70 CRI

Color Temperature:

5000K

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 C78.377-2015.

Electrical

Electrical Input Specifications:

Max Watts = 24W; Input Volts = 10-30 VDC; Operating Amps = 2.5 - 0.75A.

Surge Protection:

4kV

Total Harmonic Distortion:

THD = 8.4%

Construction

Cold Weather Starting:

The minimum starting temperature is -30°C (-22° F).

Maximum Ambient Temperature:

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

Thermal Management:

Die-cast aluminum Thermal Management system for optimal heat dissipation.

Housing:

Die-cast aluminum housing, lens frame and mounting arm.

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 WPLED20.

Reflector:

Specular aluminum.

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.

Optical

Fixture Efficacy:

65 Lumens per Watt

Listings

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 received the Department of Energy "Lighting Facts" label.

Dark Sky Approved:

The International Dark Sky Association has approved these products as full cutoff, fully shielded luminaries.

Other

California Title 24:

LPACK complies with California Title 24 building and electrical codes.

For Use on LEED Buildings:

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

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.

Equivalency:

The WPLED20 is Equivalent in delivered lumens to a 150W Metal Halide Wallpack.

Technical Specifications (continued)

Other

HID Replacement Range:

The WPLED20 can be used to replace 100-175W Metal Halide Wallpacks based on delivered lumens.

Patents:

The design of the LPACK is protected by US patents pending in US., Canada, China, Taiwan & 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).
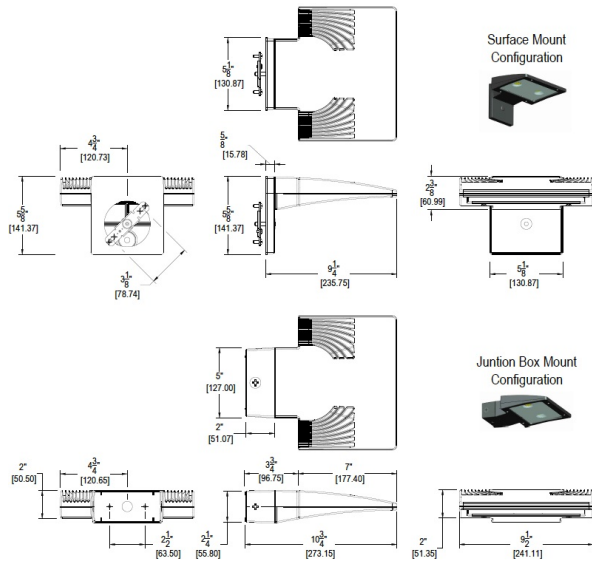
Trade Agreements Act Compliant:

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

Surface Mount Configuration

Juntion Box Mount Configuration

Features

- Low voltage DC
- Ideal for solar applications
- Up to 85% more energy efficient
- No energy-loss from DC-AC inverter
- Enables off-grid, remote-area lighting
- 5-year warranty

Ordering Matrix

Family	Watts	Direct Current	Finish
WPLED			
	20 = 20W	**DC** = Direct Current	**Blank** = Bronze
	26 = 26W		**W** = White

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

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