


<b>RAB</b>	Indoor	Outdoor	Controls	Support	Where to Buy	Learn	Log In	Search
Products	Area Lights	LED Low Wattage Area Lights	LED 20W Area Lights	ALED20N				

Spec Sheet Instructions Revit LM79 IES File [Buy Now](#)



Color: Bronze

## ALED20N

High output 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

**LED Info**

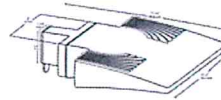
Watts: 20W  
 Color Temp: 4000K  
 Color Accuracy: 74 CRI  
 L70 Lifespan: 100000  
 Lumens: 1,111  
 Efficacy: 51 LPW

**Driver Info**

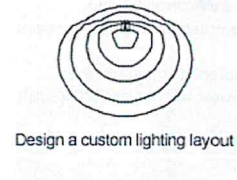
Type: Constant Current  
 120V: 0.19A  
 208V: 0.12A  
 240V: 0.10A  
 277V: 0.08A  
 Input Watts: 22W

**Dimensions**

Weight: 5.1 lbs



**EZ Layout**



**Technical Specifications**

**Listings**

**UL Listing:**  
 Suitable for wet locations.

**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.

**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 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.

**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.

**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.

**For use on LEED Buildings:**

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

**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. [See our full warranty here.](#)

**Patents:**

The ALED20 design is protected under patents pending in Canada, U.S., China, Taiwan and Mexico.

**Equivalency:**

The ALED20 is Equivalent in delivered lumens to a 50W Metal Halide Area Light.

**HID Replacement Range:**

The ALED20 can be used to replace 35 - 70W Metal Halide Area Lights based on delivered lumens.

Color Accuracy:  
74 CRI

Color Temperature (Nominal CCT):  
4000K

**Construction**

IP Rating:  
Ingress Protection rating of IP66 for dust and water.

IES Classification:  
The Type III distribution is ideal for roadway, general parking, and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

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

Gaskets:  
High temperature silicone.

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

Effective Projected Area:  
EPA = 0.23.

Green Technology:  
RAB LEDs are Mercury, Arsenic and UV free.

Cold Weather Starting:  
The minimum starting temperature is -40°C/-40°F

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

EPA:  
0.10.

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.

**Optical**

Lumen Maintenance:  
The LED will deliver 70% of its initial lumens at 100,000 hours of operation.

Fixture Efficacy:  
51 Lumens per Watt

BUG Rating:  
B1 U0 G0

**Electrical**

Total Harmonic Distortion:  
THD = 8.1%.

Driver:  
Automatic Voltage Sensing Driver for 120-277 volts.

Driver:  
Two Multi-chip 10W high output long life LED Driver Constant Current, Class 2

# LIGHTING DESIGN


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<b>RAB</b>	Indoor	Outdoor	Controls	Support	Where to Buy	Learn	Log In	Search
Products	Wallpacks	LED Solar Wallpacks	Solar LED Wallpacks	WPLED10DC				

Spec Sheet Instructions LM79 IES File [Buy Now](#)



Color: Bronze

## WPLED10DC

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

**LED Info**

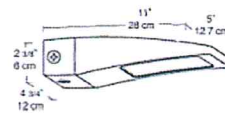
Watts: 10W  
 Color Temp: 5000K  
 Color Accuracy: 92 CRI  
 L70 Lifespan: 100000  
 Lumens: 547  
 Efficacy: 55 LPW

**Driver Info**

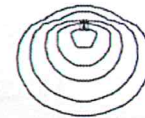
Type: DC to DC  
 120V: N/A  
 208V: N/A  
 240V: N/A  
 277V: N/A  
 Input Watts: 10W

**Dimensions**

Weight: 3.3 lbs



**EZ Layout**



Design a custom lighting layout

**Technical Specifications**

**LED Characteristics**

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

**Color Consistency:**  
 7-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 Accuracy:**  
 92 CRI

**Color Temperature (Nominal CCT):**  
 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 = 10W; Input Volts = 10-30 VDC; Operating Amps = 1.3 - 0.4A.

**Construction**

**Cold Weather Starting:**  
 The minimum starting temperature is -40°C/-40°F

**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, and RoHS compliant.

**Optical**

**Fixture Efficacy:**  
 41 Lumens per Watt

**BUG Rating:**  
 B0 U0 G0

**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 luminaires.

**Other**

**California Title 24:**  
 LPACK complies with California Title 24 building and electrical codes.

**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.

**Mounting:**

Junction box.

**Reflector:**

Specular aluminum.

**Gaskets:**

High-temperature silicone gaskets.

**For Use on LEED Buildings:**

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

**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:**

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**GSA Schedule:**

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