

# ALED26DC



LED Area Lights 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 and 26 Watt.

Color: Bronze

Weight: 6.5 lbs

**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:	28W
Efficiency:	95%

### LED Info

Watts:	26W
Color Temp:	5000K
Color Accuracy:	66 CRI
L70 Lifespan:	100000
Lumens:	2,473
Efficacy:	90 LPW

## 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:

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 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.

### Construction

#### IP Rating:

Ingress Protection rating of IP66 for dust and water.

#### IES Classification:

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°.

#### Housing:

Precision die cast aluminum housing, lens frame.

#### Gaskets:

High temperature silicone.

#### Effective Projected Area:

EPA = 0.27.

#### 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.

#### Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

#### Cold Weather Starting:

The minimum starting temperature is -40°C/-40°F

#### Thermal Management:

Cast aluminum Thermal Management system for optimal heat sinking. The ALED is designed for cool operation, most efficient output and maximum LED life by minimizing LED junction temperature.

### Electrical

#### Electrical Input Specifications:

Max Watts = 30W; Input Volts = 10-30 VDC; Operating Amps = 3.0 - 1.0A.

#### Driver:

Multi-chip 26W high output long life LED Driver Constant Current, 720mA, Class 2, 6kV Surge Protection, 100V-277V, 50-60 Hz, 100-240V.4 Amps.

#### THD:

7.5% at 120V, 11% at 277V

### 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.

#### California Title 24:

ALED complies with California Title 24 building and electrical codes.

#### Equivalency:

The ALED26 is Equivalent in delivered lumens to a 70 W Metal Halide Area Light.

#### HID Replacement Range:

The ALED26 can be used to replace 42 CFL - 100W Metal Halide Area Light based on delivered lumens.

#### Patents:

The ALED design is protected by U.S. PATENT D608,040 and patents pending in the U.S., Canada, China, Taiwan and Mexico.

#### Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

## Technical Specifications (continued)

### Other

#### 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:

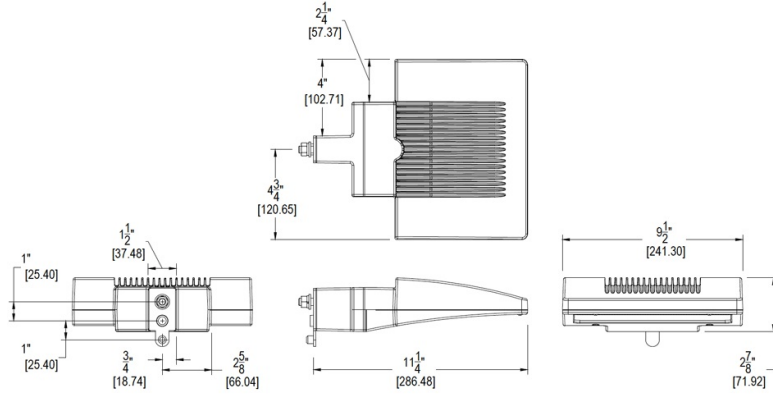
Suitable in accordance with FAR Subpart 25.4.

### Optical

#### Lumen Maintenance:

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

## Dimensions



## 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
ALED	26 = 26W 20 = 20W	DC = Direct Current