ALED5S78YW/D10/LC

RAB LIGHTING

Project:	Type:
Prepared By:	**Date:**

High output LED pole top area light with IES type V square distribution. Wide and uniform 360 degree pattern ideal for large outdoor areas such as parking lots, corporate parks, and retail settings. Includes built in support for Lightcloud, a wireless lighting control system and service, fully developed by RAB.

Color: White   Weight: 35.5 lbs

Driver Info

Type:	Constant Current
120V:	0.60A
208V:	0.372A
240V:	0.322A
277V:	0.276A
Input Watts:	72W
Efficiency:	N/A

LED Info

Watts:	78W
Color Temp:	3000K
Color Accuracy:	73 CRI
L70 Lifespan:	100000
Lumens:	7,575
Efficacy:	105 LPW

Technical Specifications

Lightcloud

Lightcloud Installed:

Lightcloud is a commercial wireless lighting control system and service fully developed and supported by RAB. It's powerful and flexible, yet easy to use and install.

Listings

UL Listing:

Suitable for wet locations.

Dark Sky Approved:

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

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.

LED Characteristics

LEDs:

Long-life, high-efficiency surface mount LEDs

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.

Electrical

Driver:

Constant Current, Class 2 with 4kV surge protection, 120-277VAC, 50/60 Hz, 120V: 0.60A, 208V: 0.372A, 240V: 0.322A, 277V: 0.276A

THD:

6.7% at 120V, 14.4% at 277V

Power Factor:

99.6% at 120V, 92.6% at 277V

ALED5S78 with Dimmable Drive:

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

Optical

BUG Rating:

B3 U1 G2

Optics:

Square, Type V distribution

Construction

Cold Weather Starting:

Minimum starting temperature is -40°F / -40°C

Maximum Ambient Temperature:

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

Thermal Management:

Superior thermal management with external air-flow fins

For use on LEED Buildings:

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

Effective Projected Area:

EPA = 0.7

Housing:

Precision die-cast aluminum

Lens:

Clear polycarbonate

Reflector:

Vacuum-metalized polycarbonate

Gaskets:

High-temperature silicone

Mounting:

Tenon for 2 3/8" or 3" OD post or pole-top adaptor

Finish:

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

Technical Specifications (continued)

Construction

Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Other

Replacement:

78 Watt ALED5S replaces 150 Watt Pulse MH / 250 Watt Probe MH.

Patents:

The designs of the ALED5S are protected by patents pending in US, 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).
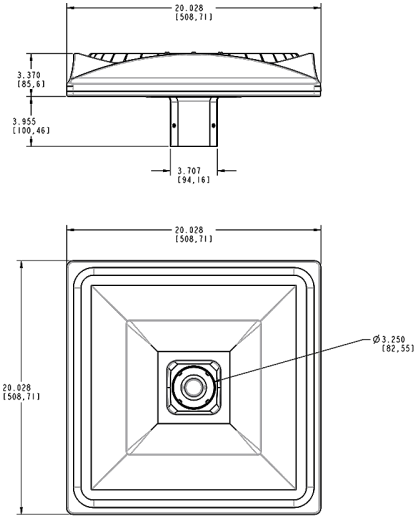
Trade Agreements Act Compliant:

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.

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

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RAB LIGHTING

Dimensions

Features

Precision optics deliver uniform, optimal light distribution

Perfect for parking lots and pathways

100,000-Hour LED lifespan

Built in support Lightcloud™

Easy setup - simply power on, confirm device connectivity and call 844-LIGHTCLOUD

Ordering Matrix

Family	Distribution	Shape	Watts	Color Temp	Finish	Dimming	Lightcloud
ALED	5	S	78	Y	W	/D10	/LC
	5 = Type V	**S** = Square	**78** = 78W **150** = 150W	**Blank** = 5000K (Cool) **N** = 4000K (Neutral) **Y** = 3000K (Warm)	**Blank** = Bronze **W** = White	**/D10** = Dimmable	**/LC** = Lightcloud