

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.

Color: White

Weight: 33.1 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	N/A
208V	N/A
240V	N/A
277V	N/A
Input Watts	74.9W

LED Info

Watts	78W
Color Temp	3000K (Warm)
Color Accuracy	73 CRI
L70 Lifespan	100,000 Hours
Lumens	7,881 lm
Efficacy	105.2 lm/W

Technical Specifications

Lightcloud

Lightcloud Controller Installed:

Integrated/embedded networked lighting control, luminaire-level lighting control. Fixture, Zone, and plug-load control from one powerful device. LLLC - capable of switching, 0-10V dimming, power/energy monitoring. Can also be used to extend the range of the Lightcloud mesh network communication protocols. Offers the capability to set the maximum light output to a less-than-maximum state of an individual luminaire at the time of installation or commissioning. The High-End trim functionality is field reconfigurable via the Lightcloud mesh network communication protocols. The Lightcloud controller can be attached to the fixture, junction box, or electrical panel.

DLC system - NHCZ2BIA17L

[Learn more at www.lightcloud.com](http://www.lightcloud.com)

Compliance

UL Listed:

Suitable for wet locations

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA lm-79 and lm-80.

LED Characteristics

LEDs:

Long-life, high-efficacy, surface-mount 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 color temperature over a 5-year period

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Performance

Lifespan:

100,000-Hour LED lifespan based on IES lm-80 results and TM-21 calculations

Wattage Equivalency:

Equivalent to 250W Metal Halide

Optical

BUG Rating:

B3 U1 G2

Optics:

Square, Type V distribution

Construction

Cold Weather Starting:

The minimum starting temperature is -40°F (-40°C)

Maximum Ambient Temperature:

Suitable for use in up to 104°F (40°C)

Thermal Management:

Superior thermal management with external air-flow fins

Effective Projected Area:

EPA = 0.7

Lens:

Clear polycarbonate lens

Reflector:

Vacuum-metallized polycarbonate

Gaskets:

High-temperature silicone

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Technical Specifications (continued)

Installation

Mounting:

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

Electrical

Driver:

Constant Current, Class 2 with 4kV surge protection, 347-480VAC, 50/60 Hz

THD:

14.8% at 480V

Power Factor:

86.7% at 480V

ALED5S78 with Dimmable Drive:

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

Other

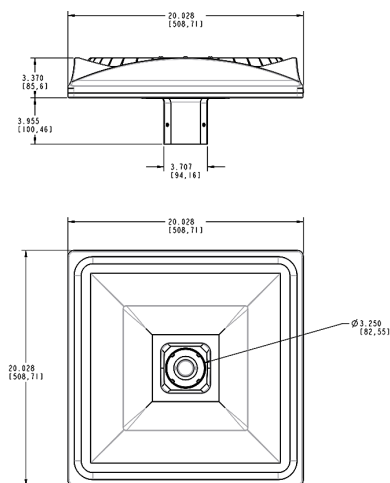
Patents:

The designs of the ALED5S are protected by patents pending in US, Canada, China, Taiwan and Mexico

5-Year, No-Compromise 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. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Dimensions



Features

Precision optics deliver uniform, optimal light distribution

Perfect for parking lots and pathways

100,000-Hour LED lifespan

Ordering Matrix

Family	Wattage	Color Temp	Finish	Driver Options	Sensor Options	Other Options
ALED5S	78	Y	W	/480/D10	/LC	
	150 = 150W 78 = 78W	Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm	Blank = Bronze W = White	/D10 = 120-277V, 0-10V Dimming /480/D10 = 480V, 0-10V Dimming /BL = Bi-Level	Blank = No Option /7PR/WS2 = 7-Pin Receptacle w/Motion Sensor /7PR = 7-Pin Receptacle /5PR = 5 Pin Receptacle /LC = Lightcloud /WS2 = Motion Sensor/Photocell /PCT4 = 480V Twistlock Photocell /PCT = 120-277V Twistlock Photocell	Blank = Standard USA = BAA Compliant