



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: Bronze

Weight: 33.1 lbs

Project:

Type:

Prepared By:

Date:

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: 5000K (Cool)
Color Accuracy: 73 CRI
L70 Lifespan: 100,000
Lumens: 8368
Efficacy: 117 LPW

Technical Specifications

Listings

UL Listing:

Suitable for wet locations

DLC Listed:

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities.

DLC Product Code: PU7BQF7A

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.

Dark Sky Conformance:

Conforms to (allows for conformance to) the IDA's fully shielding requirement, emitting no light above 90 degrees (with the exclusion of incidental light reflecting from fixture housing, mounts, and pole).

LED Characteristics

LEDs:

Long-life, high-efficacy 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 C78.377-2017.

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:

8.0% at 120V, 14.4% at 277V

Power Factor:

99.5% at 120V, 92.3% 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°C (-40°F)

Maximum Ambient Temperature:

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

Thermal Management:

Superior thermal management with external air-flow fins

Effective Projected Area:

EPA = 0.7

Housing:

Precision die-cast aluminum

Support Arms:

Extruded 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:

Formulated for high-durability and long lasting color

Technical Specifications (continued)

Construction

Green Technology:

Mercury and UV-free. RoHS compliant components.

Other

Patents:

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

Replacement:

Replaces 150 Watt Pulse MH / 250 Watt Probe Metal Halide

BAA Compliance:

Click for BAA compliance.

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

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	^	^	/D10	^	^
	78 = 78W 150 = 150W	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 /PCT = 120-277V Twistlock Photocell /WS2 = Motion Sensor/Photocell /LC = Lightcloud Control /5PR = 5 Pin Receptacle /7PR = 7 Pin Receptacle /7PR/WS2 = 7 Pin Receptacle w/ Motion Sensor	USA = BAA Compliant Blank = Standard