ALED5S78W/D10/WS2

RAB®

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: 36.4 lbs

Driver Info

Type	Constant Current
120V	0.56A
208V	0.34A
240V	0.33A
277V	0.26A
Input Watts	65.4W

LED Info

Watts	78W
Color Temp	5000K (Cool)
Color Accuracy	73 CRI
L70 Lifespan	100,000 Hours
Lumens	9,578 lm
Efficacy	146.5 lm/W

Technical Specifications

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 IESNAlm-79 andlm-80

California Title 24:
Can be used to conform with the requirements of California Title 24 Part 6.

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. Designed to meet DLC 5.1 requirements.
DLC Product Code: PU7BQF7A

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°C (-40°F)

Maximum Ambient Temperature:
Suitable for use in up to 40°C (104°F)

Thermal Management:
Superior thermal management with external air-flow fins

Effective Projected Area:
EPA = 0.7

Lens:
Clear polycarbonate lens

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

Green Technology:
Mercury and UV free. RoHS-compliant components.

Technical Specifications (continued)

Electrical

Driver:
Constant Current, Class 2 with 4kV surge protection, 120-277VAC, 50/60 Hz, 120V: 0.56A, 208V: 0.34A, 240V: 0.33A, 277V: 0.26A

THD:
5.78% at 120V, 9.27% at 277V

Power Factor:
99.5% at 120V, 91.6% at 277V

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

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.

Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Sensor Specifications

Multi Level Motion Sensor:
/WS2 sensor options use state-of-the-art surface mount technology (SMT), just like cellular phones and beepers. SMT gives you more reliability, greater RF immunity. This compact sensor that can fit neatly where others cannot. This sensor technology automatically affects the state of operation for lighting systems or individual luminaries based upon detecting the presence or absence of movement for both people as they exit/enter, or for the motion of moving vehicles within the sensors viewing area. The wide 180° viewing angle can detect movement along the entire side of a building with only one compact sensor. The hard lens is molded as part of the case, vandalproof, rainproof, bugproof and absolutely sealed. Sensor functions best when movement is across its detection pattern, not towards the sensor.

Operating Voltage:
120-277V

Power Consumption:
1W

0-10V Sinking Current:
50mA

Adjustable High and Low Modes:
High: 0-10V; Low: off, 0-9.8V

Adjustable Time Delay:
Amount of time in high mode with no motion before switching to low mode: 5 min., 1 -30 min.

Adjustable Cut Off Delay:
Time in which the fixture will remain on low mode with no motion before turning off and waiting for new motion to turn on: None, 1 -60 min., 1 -5 hrs.

Adjustable Sensitivy:
None, low, medium, maximum

Adjustable Setpoint:
None, 1 to 250 fc, auto

Operating Temperature:
-40°F to 167°F (-40°C to +75°C)

Operating Humidity:
20% to 90% noncondensing

Relay Life Rating:
200,000 cycles (120/277VAC), 50,000 cycles (230VAC)

IP Rating:
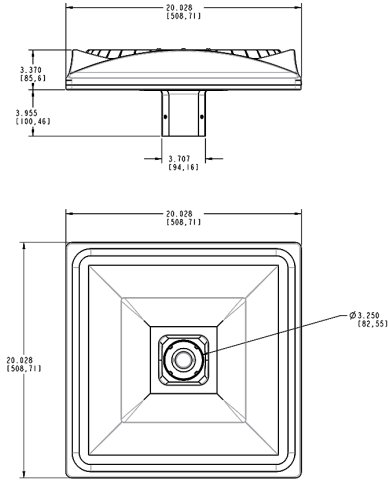Ingress protection rating of IP66 for dust and water

UL Listed:
Suitable for Wet Locations as factory installed

Handheld Wireless Configuration Tool:
Adjust settings using handheld wireless configuration tool (catalog# WSREM). Only available with 0-10V dimming driver options. Handheld wireless configuration tool available here.

RAB

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		W	/D10	/WS2	
	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 **/PCT4 =** 480V Twistlock Photocell **/WS2 =** Motion Sensor/Photocell **/LC =** Lightcloud® Controller **/5PR =** 5 Pin Receptacle **/7PR =** 7-Pin Receptacle **/7PR/WS2 =** 7-Pin Receptacle w/ Motion Sensor	**Blank =** Standard **USA =** BAA Compliant

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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