ALED3T50 USA

RAB
LIGHTING

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

Specification grade area lights available in IES Type III distributions. For use for roadway, general parking and other area lighting applications where a larger pool of lighting is required. Mounts to 4" square steel poles at 20-35'. Patent pending thermal management system. 5 Year Warranty.

Color: Bronze   Weight: 32.0 lbs

Driver Info

Type:	Constant Current
120V:	0.46A
208V:	0.27A
240V:	0.23A
277V:	0.20A
Input Watts:	55W
Efficiency:	91%

LED Info

Watts:	50W
Color Temp:	5000K
Color Accuracy:	71 CRI
L70 Lifespan:	100000
Lumens:	6855
Efficacy:	124 LPW

Technical Specifications

Listings

UL Listing:

Suitable for wet locations as a downlight.

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED fixtures 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.

LEDs:

Multi-chip, high-output, long-life 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 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.

Construction

IES Classification:

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

IP Rating:

Ingress Protection rating of IP66 for dust and water

Ambient Temperature:

SuitableFor use in 40°C (104°F) ambient temperatures.

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Thermal Management:

Superior thermal management design with external Air-Flow fins provides maximum operational life, even in high ambient temperature environments.

Effective Projected Area:

EPA = 0.75

Housing:

Die cast aluminum housing, lens frame and mounting arm.

Mounting:

Heavy-duty mounting arm with "O" ring seal & stainless steel screws.

Reflector:

Specular vacuum-metallized polycarbonate

Gaskets:

High temperature silicone gaskets

Finish:

Formulated for high-durability and long lasting color.

Green Technology:

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

Electrical

Driver:

Constant Current, Class 2, 1400mA, 100-277V, 50-60Hz, 0.8A, Power Factor 99%

Surge Protection:

6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.

THD:

6.1% at 120V, 9.4% at 277V

Power Factor:

99.6% at 120V, 96% at 277V

Other

California Title 24:

See ALED3T50/PC, ALED3T50/PCS or ALED3T50/PCT for a 2013 California Title 24 compliant model.

Patents:

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

Technical Specifications (continued)

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.

Equivalency:

Replaces 200W Metal Halide.

FTC Country of Origin:

This product was assembled in the USA by RAB using imported components.
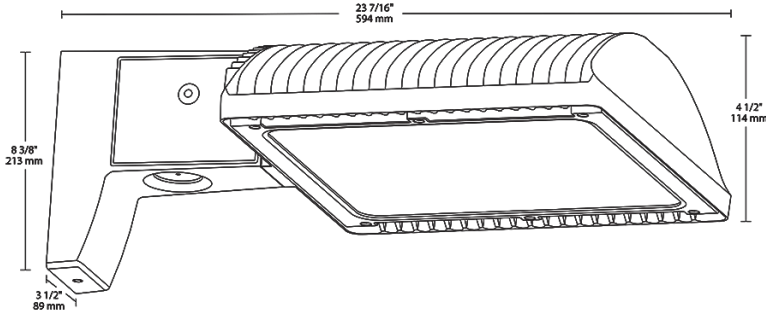
Buy American Act Compliance:

This product complies with the Buy American Act.

Optical

BUG Rating:

B1 U0 G2

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

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Dimensions

23 7/16"
594 mm

4 1/2"
114 mm

8 3/8"
213 mm

3 1/2"
89 mm

Features

66% energy cost savings vs. HID

100,000-hour LED lifespan

Type III distribution

5-year warranty

Ordering Matrix

Family	Distribution	Wattage	Mounting	Color Temp	Finish	Voltage	Dimming	Control Options
ALED	3T	50						
	2T = Type II **3T** = Type III **4T** = Type IV	**50** = 50W **78** = 78W **105** = 105W **125** = 125W **150** = 150W	**Blank** = Arm **SF** = Slipfitter	**Blank** = 5000K (Cool) **N** = 4000K (Neutral) **Y** = 3000K (Warm)	**Blank** = Bronze **RG** = Roadway Gray **W** = White	**Blank** = 120-277V **/480** = 480V (not available for 150W)	**Blank** = Standard **/D10** = 0-10V Dimming **/BL** = Bi-Level	**Blank** = No Option **/PCS** = 120V Swivel Photocell **/PCS2** = 277V Swivel Photocell **/PCT** = 120-277V Twistlock Photocell (not available for Slipfitter mounting) **/PCT4** = 480V Twistlock Photocell (not available for Slipfitter mounting) **/WS2** = Multi-Level Motion Sensor(50W, 78W and 105W only) **/WS4** = Multi-Level Motion Sensor(125W and 150W only) **/LC** = Lightcloud® Control

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