



Color: Black

Weight: 32.0 lbs

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type:	Constant Current	Watts:	50W
120V:	0.46A	Color Temp:	5000K (Cool)
208V:	0.27A	Color Accuracy:	71 CRI
240V:	0.23A	L70 Lifespan:	100,000
277V:	0.20A	Lumens:	6,855
Input Watts:	55W	Efficacy:	124 LPW
Efficiency:	91%		

Technical Specifications

Listings

UL Listing:

Suitable for wet locations as a downlight

IESNA LM-79 & IESNA 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.

Electrical

THD:

6.1% at 120V, 9.4% at 277V

Power Factor:

99.6% at 120V, 96% at 277V

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.

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 warranted 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:

Suitable For use in 40°C (104°F)

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 = 2.2

Housing:

Die cast aluminum housing, lens frame and mounting arm

Mounting:

Slipfitter 180° pivot available for mounting on 2 3/8" tenon

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.

Other

Patents:

The ALED™ design is protected by patents pending in the U.S., 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

Equivalency:

Replaces 200W Metal Halide

Technical Specifications (continued)

Other

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.

Optical

BUG Rating:

B1 U0 G2

Features

66% energy cost savings vs. HID

100,000-hour LED lifespan

5-year warranty

Ordering Matrix

Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver Options	Options	Other Options
ALED	3T	50	SF	^	K	^	^	^
	4T = Type IV	50 = 50W 78 = 78W	Blank = Pole mount	Blank = 5000K (Cool)	Blank = Bronze	Blank = 120-277V	Blank = No Option	Blank = Standard
	3T = Type III	105 = 105W	SF = Slipfitter	N = 4000K (Neutral)	RG = Roadway Gray	/480 = 480V	/LC = Lightcloud® Controller	USA = BAA Compliant
	2T = Type II	125 = 125W 150 = 150W		Y = 3000K (Warm)	W = White K = Black	/BL = Bi-Level /D10 = 0-10V Dimming	/PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /PCT = 120-277V Twistlock Photocell /PCS4 = 480V Swivel Photocell /PCT4 = 480V Twistlock Photocell	
							/WS2 = Multi-Level Motion Sensor 20 ft. /WS4 = Multi-Level Motion Sensor 40 ft.	