

Project:	Туре:
Prepared By:	Date:

Type:			
	Constant Current	Watts:	78W
120V:	0.66A	Color Temp:	4000K (Neutral)
208V:	0.41A	Color Accuracy:	72 CRI
240V:	0.35A	L70 Lifespan:	100,000
277V:	0.30A	Lumens:	6,625
Input Watts:	80W	Efficacy:	83 LPW
Efficiency:	97%		

Technical Specifications

Electrical

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

THD:

4.4% at 120V, 12.8% at 277V

Driver:

Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

Surge Protection:

4kV

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.

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

LEDs:

Six (6) multi-chip, 13W, high-output, long-life LEDs

Color Consistency:

3-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 IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semiCircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

Effective Projected Area:

EPA = 2.2

Ambient Temperature:

Suitable For use in 40°C (104°F)

Cold Weather Starting:

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

Thermal Management:

Superior heat sinking with external Air-Flow fins

Lens:

Tempered glass lens

Housing:

Die cast aluminum housing, lens frame and mounting arm

IP Rating:

Ingress Protection rating of IP66 for dust and water

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 in the U.S. Pat. 668,370, Canada Pat. 144956, China ZL201230100154.X, and Mexico Pat. 38423. Pending patents in Taiwan.

Equivalency:

Equivalent to 250W Metal Halide

Buy American Act Compliance:

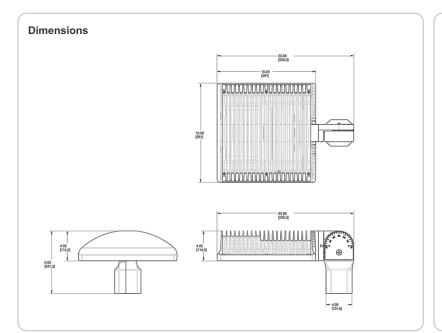
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Technical Specifications (continued)

Optical

BUG Rating:

B1 U0 G2



Features

66% energy cost savings vs. HID

100,000-hour LED lifespan

5-year warranty

Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver Options	Options	Other Options
ALED	4T	78	SF	N	K	/D10	۸	٨
	4T = Type IV	50 = 50W 78 = 78W	Blank = Pole mount	Blank = 5000K (Cool)	Blank = Bronze RG = Roadway	Blank = 120-277V / 480 = 480V	Blank = No Option /LC = Lightcloud® Controller	Blank = Standar
	3T = Type III 2T = Type II	105 = 105W 125 = 125W 150 =	SF = Slipfitter	(Neutral) $\mathbf{W} = \mathbf{V}$	Gray W = White K = Black	W = White / D10 = 0-10V	/PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /PCT = 120-277V Twistlock Photocell /PCS4 = 480V Swivel Photocell	Compliant
		150W					/PCT4 = 480V Twistlock Photocell /WS2 = Multi-Level Motion Sensor 20 ft. /WS4 = Multi-Level Motion Sensor	