



Color: Black

Weight: 32.0 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	0.89A
208V	0.58A
240V	0.50A
277V	0.44A
Input Watts	107.5W

LED Info

Watts	105W
Color Temp	5000K (Cool)
Color Accuracy	70 CRI
L70 Lifespan	100,000 Hours
Lumens	13,213
Efficacy	122.9 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 IESNA LM-79 and LM-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. DLC Product Code: PIX1P3A1

Performance

Lifespan:

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

Construction

IES Classification:

The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. This type is meant for lighting larger areas and usually is located near the roadside. This type of lighting is commonly found on smaller side streets or jogging paths.

Effective Projected Area:

EPA = 0.75

Maximum Ambient Temperature:

Suitable for use in up to 40°C (104°F)

Cold Weather Starting:

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

Thermal Management:

Superior thermal management with external "Air-Flow" fins

Lens:

Tempered glass lens

Housing:

Die-cast aluminum housing, lens frame and mounting arm

Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation.

Reflector:

Specular vacuum-metallized polycarbonate

Technical Specifications (continued)

Construction

Gaskets:

High-temperature silicone gaskets

IP Rating:

Ingress Protection rating of IP66 for dust and water

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

LED Characteristics

LEDs:

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

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.

Electrical

Dimming Driver:

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

THD:

7.6% at 120V, 16.4% at 277V

Power Factor:

99.6% at 120V, 94.4% at 277V

Surge Protection:

4kV

Other

Compatibility:

Compatible with Round Poles with a diameter of 2.5" to 6"

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.

Equivalency:

Replaces 320W 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.

Optical

BUG Rating:

B2 U0 G2

Sensor Specifications

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 Sensitivity:

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)

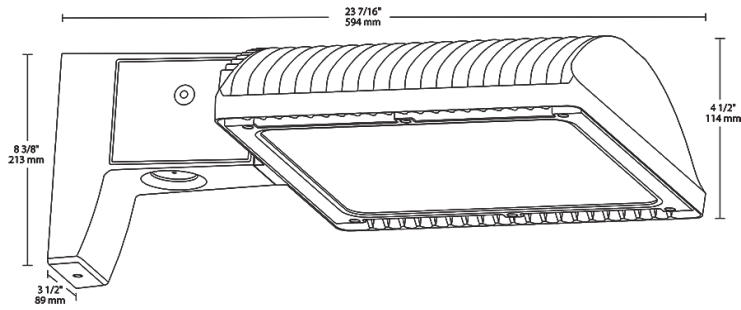
IP Rating:

Ingress Protection rating of IP66 for dust and water

Multi Level Motion Sensor:

*40 ft. diameter coverage from 20 ft. height.

Dimensions



Features

- 66% energy cost savings vs. HID
- 100,000-hour LED lifespan
- 5-Year, No-Compromise Warranty

Ordering Matrix

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