



LED roadway lighting that replaces up to 250W MH or 150W HPS. Optics are factory installed and meet IES Distribution Type II.

Color: Gray

Weight: 9.2 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
120V: 0.39A
208V: 0.24A
240V: 0.21A
277V: 0.18A
Input Watts: 48W
Efficiency: N/A

LED Info

Watts: 48W
Color Temp: 2000K (HPS Warm)
Color Accuracy: 70 CRI
L70 Lifespan: 100,000
Lumens: 3447
Efficacy: 72 LPW

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Minimum of 75° supply conductors.

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.

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.

IP Rating:

Ingress Protection rating of IP66 for dust and water

Vibration Rating:

Industry-leading 5G vibration rating per ANSI C136.31

IP Rating:

Ingress Protection rating of IP66 for dust and water

Vibration Rating:

Industry-leading 5G vibration rating per ANSI C136.31

Ambient Temperature:

Suitable For 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

Housing:

Die cast aluminum housing with polycarbonate driver cover

Lens:

Clear acrylic lens with integrated optics

Mounting:

Fits most standard roadway upsweep arms. Adaptor brackets supplied fit 1", 1 1/4", 1 1/2" and 2" pipe arms. Fixture can be tilted at the following angles -5°, -2.5°, 0°, +2.5°, +5°.

IP Rating:

Ingress Protection rating of IP66 for dust and water

Gaskets:

High temperature silicone gaskets

Effective Projected Area:

EPA = 0.7

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 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.

Electrical

Drivers:

Constant Current, Class 2, 100-277V, 50-60Hz, 120V: 0.27A, 208A: 0.17A, 240A: 0.15A, 277V: 0.13A

Dimming Driver:

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

7-Pin Receptacle:

ANSI C136.41 7-pin receptacle, compatible with wireless control systems

Surge Protection:

10kV

Photocell:

120-277V twistlock photocell included. Photocell is compatible with 120V - 277V.

Optical

BUG Rating:

B1 U0 G1

Technical Specifications (continued)

Optical

Cut Off:

Full cutoff optics comply with dark sky requirements

Other

Equivalency:

Replaces 100W Metal Halide or 70W HPS

Accessory:

Shorting Cap for 7-Pin Receptacle

Features

- IP66 Rated
- Industry-leading 5G vibration rating per ANSI C136.31
- ANSI C136.41 7-pin receptacle, compatible with wireless control systems
- 100,000-Hour LED lifespan
- 10-Year, Limited Warranty

Ordering Matrix

Family	IES Type	Wattage	Color Temp	Color	Driver Options	Sensor Options
TBLED	2T	48	AY	RG	/D10	/PCT
	4T = Type IV	95 = 95W	Blank = 5000K (Cool) N = 4000K (Neutral)	RG = Roadway Gray	/D10 = 0-10V Dimming (standard)	/7PR = 7-Pin Receptacle (standard)
	3T = Type III	64 = 64W	Y = 3000K (Warm)		/480/D10 = 480V 0-10V Dimming	/7PRS = 7-Pin Receptacle w/ Shorting Cap
	2T = Type II	48 = 48W 32 = 32W	AY = 2000K (HPS Warm)			/PCT = 120-277V Twistlock Photocell w/ 7-Pin Receptacle /PCT4 = 480V Twistlock Photocell w/ 7-Pin Receptacle