TBLED4T48AYRG/480/D10/PCT4

RAB LIGHTING

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

Driver Info

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

LED Info

Watts:	48W
Color Temp:	2000K
Color Accuracy:	70 CRI
L70 Lifespan:	100000
Lumens:	3,265
Efficacy:	69 LPW

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

Color: Gray   Weight: 9.2 lbs

Technical Specifications

Listings

UL Listing:

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

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.

Construction

IES Classification:

The Type IV distribution (also known as a Forward Throw) is especially suited for illuminating the perimeter of parking areas and for intersections. It produces a semicircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

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 ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -22° F (-30°C).

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°.

Gaskets:

High temperature silicone gaskets

Effective Projected Area:

EPA = 0.7

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:

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

LED Characteristics

LEDs:

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

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 C78.377-2015.

Electrical

Drivers:

Constant Current, Class 2, 480V, 50-60Hz, 480V: 0.07A

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:

480V Twistlock Photocell Included. Photocell is only compatible with 480V.

Optical

BUG Rating:

B1 U0 G1

Cut Off:

Full cutoff optics comply with dark sky requirements.

Other

Equivalency:

Replaces 100W Metal Halide or 70W HPS.

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Technical Specifications (continued)

Other

Accessory:

Shorting Cap for 7-Pin Receptacle

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of ten (10) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).
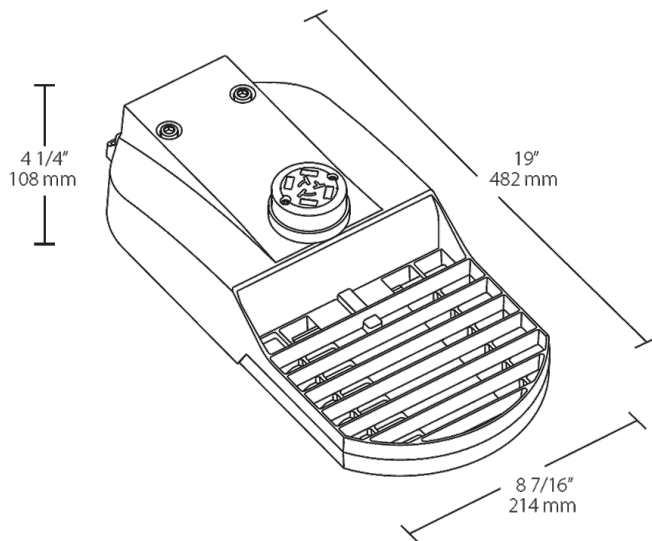
Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

Dimensions

4 1/4"
108 mm

19"
482 mm

8 7/16"
214 mm

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	4T	48	AY	RG	/480/D10	/PCT4
	4T = Type IV	**95** = 95W	**Blank** = 5000K (Cool)	**RG** = Roadway Gray	**/D10** = 0-10V Dimming (standard)	**/7PR** = 7-Pin Receptacle (standard)
		64 = 64W	**N** = 4000K (Neutral)		**/480/D10** = 480V 0-10V Dimming	**/7PRS** = 7-Pin Receptacle w/ Shorting Cap
		48 = 48W	**Y** = 3000K (Warm)			**/PCT** = 120-277V Twistlock Photocell w/ 7-Pin Receptacle
		32 = 32W	**AY** = 2000K (HPS Warm)			**/PCT4** = 480V Twistlock Photocell w/ 7-Pin Receptacle

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