TBLED2T240YRG/D10/7PR/PCT

RAB LIGHTING

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

Driver Info

Type:	Constant Current
120V:	2.85A
208V:	1.17A
240V:	0.86A
277V:	0.86A
Input Watts:	234W
Efficiency:	N/A

LED Info

Watts:	240W
Color Temp:	3000K
Color Accuracy:	70 CRI
L70 Lifespan:	100000
Lumens:	27220
Efficacy:	116 LPW

LED roadway lighting that replaces up to 400W HPS. Optics are factory installed and meet IES Distribution Type II.

Color: Gray   Weight: 36.6 lbs

Technical Specifications

Listings

UL Listing:

Suitable for wet locations.

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires 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.

Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.
DLC Product Code: P3CQJ6B8

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 2.85A, 1.175A, 240V: 1.019A, 277V: 0.86A

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

Photocell:

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

THD:

6% at 120V, 6.1% at 277V

Power Factor:

99.7% at 120V, 96.7% at 277V

Surge Protection:

10kV

Optical

BUG Rating:

B3 U0 G4

Construction

IES Classification:

The Type II distribution is ideal for entrance roadways, collector roads and other long, single-sided and narrow lighting applications. This type of lighting is commonly found on smaller local streets.

IP Rating:

Ingress Protection rating of IP66 for dust and water

Vibration Rating:

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

Maximum 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, lens frame and mounting arm.

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°, and 5°.

Recommended Mounting Height:

Up to 35 ft.

Effective Projected Area:

EPA = 1.7

Reflector:

Vacuum metalized polycarbonate

Gaskets:

High temperature silicone gaskets

Finish:

Formulated for high-durability and long lasting color.

Green Technology:

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

RAB
LIGHTING

Technical Specifications (continued)

Construction

Lens:

Clear tempered glass lens

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 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.

Other

10 Yr Limited Warranty:

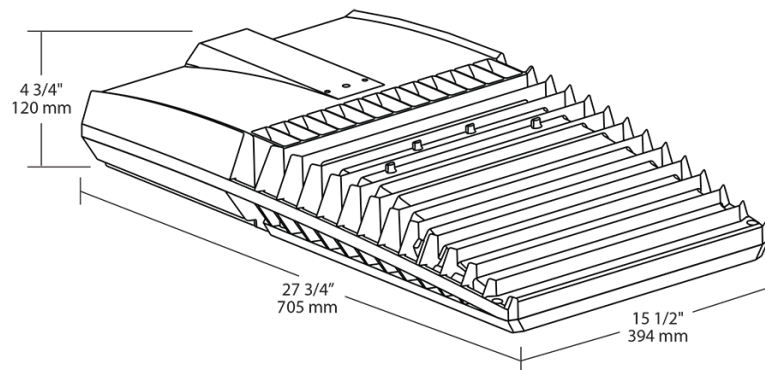Fixture operation and paint finish are covered for a period of 10 years.

Replacement:

Replaces 400W HPS

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.

Dimensions

4 3/4"
120 mm

27 3/4″
705 mm

15 1/2"
394 mm

Features

IP66 Rated

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

100,000-Hour LED lifespan

10-Year limited warranty

Ordering Matrix

Family	Distribution	Wattage	Color Temp	Finish	Driver Options	Sensor Options
TBLED	2T	240	Y	RG	/D10	/7PR/PCT
	4T = Type IV **3T** = Type III **2T** = Type II	**240** = 240W **150** = 150W **100** = 100W	**Blank** = 5000K (Cool) **N** = 4000K (Neutral) **Y** = 3000K (Warm)	**RG** = Gray	**/D10** = 0-10V Dimming **/480/D10** = 480V, 0-10V Dimming	**/7PR** = 7 Pin Receptacle **/7PR/PCT** = 7 Pin Receptacle w/ 120-277V Twistlock Photocell **/PCT4** = 480V Twistlock photocell

Need help? Tech help line: **(888) RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

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