

# RWLED3T78RG/PCT USA



LED roadway lighting that's easy to buy. Free trial program and leasing options make it easy to get started with LED. Specification-grade optics deliver efficient, clean, uniform light distributions at a reasonable cost. Optics are factory installed and meet IES Lateral Distribution Type III. LROAD™ 78W replaces 250W metal halide roadway fixtures.

Color: Gray

Weight: 32.0 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

#### Driver Info

Type:	Constant Current
120V:	0.66A
208V:	0.41A
240V:	0.35A
277V:	0.30A
Input Watts:	77W
Efficiency:	N/A

#### LED Info

Watts:	78W
Color Temp:	5100K
Color Accuracy:	71 CRI
L70 Lifespan:	100000
Lumens:	9263
Efficacy:	121 LPW

## Technical Specifications

### Listings

#### UL Listing:

Suitable for wet locations as a downlight.

#### 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: P000017A2

#### 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.

#### Dark Sky Approved:

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

### 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:

7-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 III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It has greater streetside (transverse) throw, allowing the light to project outward and fill the area.

#### 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.

#### Effective Projected Area:

EPA = 0.75

#### Lens:

Tempered glass lens.

#### 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" OD arms.

#### Wedge Mounting Option:

Allows field adjustment of +/- 5 degree tilt to achieve a level installation of LROAD78 universal adaptor roadway fixtures.

#### Recommended Mounting Height:

Up to 25 ft.

#### 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. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

### Electrical

#### Photocell:

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

## Technical Specifications (continued)

### Electrical

#### Driver:

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

#### Surge Protection:

6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.

#### THD:

4.7% at 120V, 13.9% at 277V

#### Power Factor:

99.5% at 120V, 93.7% at 277V

### Other

#### California Title 24:

RWLED2T78/PCT with the twistlock photocell option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 75 Watts at mounting heights greater than 24 feet.

#### Patents:

The LROAD™ design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

#### 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.

#### Equivalency:

Replaces 250W Metal Halide.

### FTC Country of Origin:

This product was assembled in the USA by RAB using imported components.

### Buy American Act Compliance:

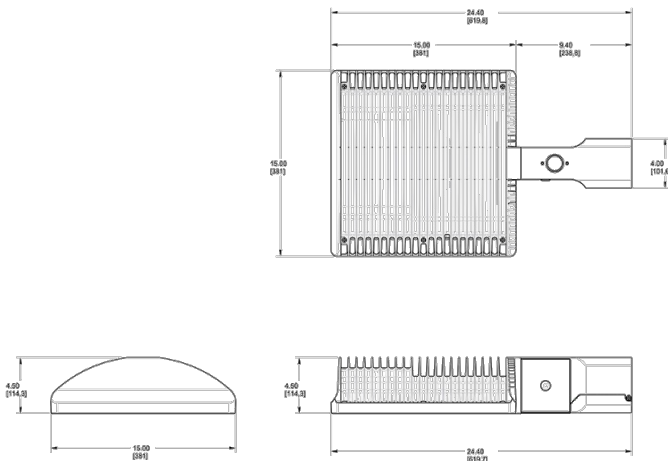
This product complies with the Buy American Act.

### Optical

#### BUG Rating:

B1 U0 G2

## Dimensions



## Features

Ideal for roadway, general parking and major roads

78W High-Performance LED

Replaces 250W metal halide roadway fixtures

27 year lifespan dramatically reduces maintenance and re-lamping costs

Precision optics deliver maximum downward street side lumens with uniformity and minimal glare

Compatible with standard roadway arms

Universal adaptors for 1", 1 1/4", 1 1/2" and 2" OD pipe included

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

Easy-access electrical compartment makes wiring fast and secure

10-Year no compromise warranty

## Ordering Matrix

Family	Distribution	Wattage	Mounting	Color Temp	Finish	Options
RWLED	3T	78			RG	/PCT
	4T = Type IV	150 = 150W	Blank = Roadway Arm	Blank = 5000K (Cool)	Blank = Bronze	Blank = No Option
	3T = Type III	125 = 125W	SF = Slipfitter	N = 4000K (Neutral)	RG = Gray	/PCT = 120-277V Twistlock Photocell
	2T = Type II	105 = 105W		Y = 3000K (Warm)	W = White	/PCS = 120V Swivel Photocell
		78 = 78W				/PC2 = 277V Swivel Photocell
		50 = 50W				/BL = Bi-Level Control
						/D10 = 0-10V Dimming
						/480 = 480V Driver
						/480/PCS4 = 480V w/ 480V Swivel Photocell
						/480/PCT4 = 480V w/ 480V Twistlock Photocell