



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™ 150W replaces 400W metal halide roadway fixtures.

Color: Gray

Weight: 32.5 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
 120V: 1.31A
 208V: 0.80A
 240V: 0.69A
 277V: 0.60A
 Input Watts: 155W
 Efficiency: 97%

LED Info

Watts: 150W
 Color Temp: 5000K
 Color Accuracy: 71 CRI
 L70 Lifespan: 100000
 Lumens: 16839
 Efficacy: 108 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: P00001774

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:

Multi-chip, 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 warranted 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 LROAD150 universal adaptor roadway fixtures.

Recommended Mounting Height:

Up to 35 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

Drivers:

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

Technical Specifications (continued)

Electrical

Surge Protection:

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

THD:

4.9% at 120V, 13.8% at 277V

Power Factor:

99.5% at 120V, 93.7% at 277V

Other

California Title 24:

See RWLED3T150/D10, RWLED3T150/BL, RWLED3T150/PCS, RWLED3T150/PCS2, or RWLED3T150/PCT for a 2013 California Title 24 compliant product. Any additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

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 400W Metal Halide.

FTC Country of Origin:

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

Buy American Act Compliance:

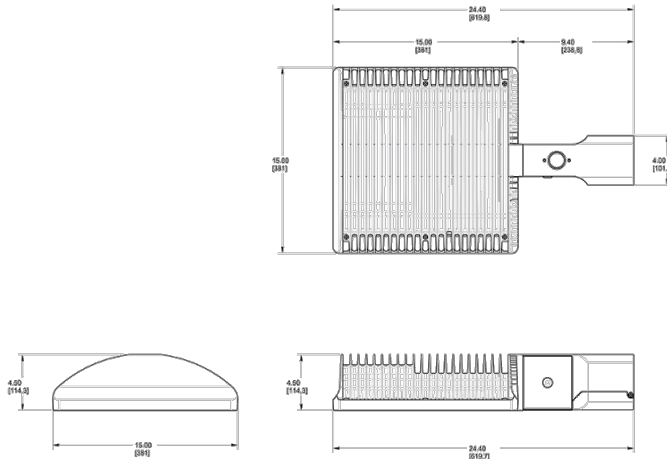
This product complies with the Buy American Act.

Optical

BUG Rating:

B1 U0 G2

Dimensions



Features

Ideal for roadway, general parking and major roads

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	150			RG	
	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