



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 IV. LROAD™ 150W replaces 400W metal halide roadway fixtures.

Color: Bronze

Weight: 32.0 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: | 156W |
| Efficiency: | 96% |

LED Info

| | |
|-----------------|---------|
| Watts: | 150W |
| Color Temp: | 5000K |
| Color Accuracy: | 71 CRI |
| L70 Lifespan: | 100000 |
| Lumens: | 18464 |
| Efficacy: | 119 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: P00001773

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 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°.

Effective Projected Area:

EPA = 2.2

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.

Lens:

Tempered glass lens.

Housing:

Die cast aluminum housing, lens frame and mounting arm.

Mounting:

Slipfitter with 180° pivot available for mounting on 2 3/8" tenon.

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%

Surge Protection:

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

Technical Specifications (continued)

Electrical

THD:

4.9% at 120V, 14% at 277V

Power Factor:

99.5% at 120V, 93.7% at 277V

Other

California Title 24:

See RWLED4T150SF/D10, RWLED4T150SF/BL, RWLED4T150SF/PCS, RWLED4T150SF/PCS2, or RWLED4T150SF/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:

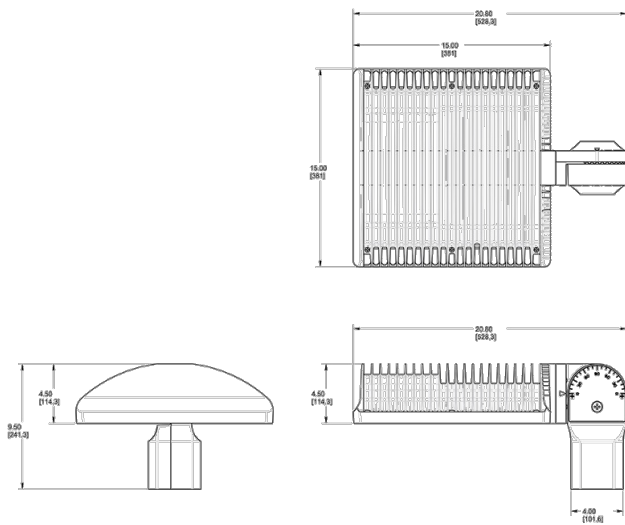
This product complies with the Buy American Act.

Optical

BUG Rating:

B1 U0 G3

Dimensions



Features

Ideal for entrance roadways, collector roads, and single-sided roads

27 year lifespan dramatically reduces maintenance and re-lamping costs

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

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 | 4T | 150 | SF | | | |
| | 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 |