



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 Distribution Type IV. LROAD™ 50W replaces 200W metal halide roadway fixtures.

Color: Bronze

Weight: 32.0 lbs

Project:

Type:

Prepared By:

Date:

#### Driver Info

Type	Constant Current
120V	0.46A
208V	N/A
240V	N/A
277V	N/A
Input Watts	55.39W

#### LED Info

Watts	50W
Color Temp	5000K (Cool)
Color Accuracy	71 CRI
L70 Lifespan	100,000 Hours
Lumens	7,517
Efficacy	135.7 lm/W

## Technical Specifications

### Compliance

#### UL Listed:

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: P0000178F

#### IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

### Performance

#### Lifespan:

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

### 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 up to 40°C (104°F)

#### Cold Weather Starting:

The 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

## Technical Specifications (continued)

### Construction

#### Recommended Mounting Height:

Up to 15 ft

#### Reflector:

Specular vacuum-metallized polycarbonate

#### Gaskets:

High-temperature silicone gaskets

#### Finish:

Formulated for high durability and long-lasting color

### LED Characteristics

#### 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 color temperature over a 5-year period

#### Color Uniformity:

RAB's range of 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.

### Electrical

#### Driver:

Constant Current, Class 2, 1400mA, 100-277V, 50-60Hz, 0.8A, Power Factor 99%

#### THD:

6.1% at 120V, 9.4% at 277V

#### Power Factor:

99.6% at 120V, 96% at 277V

#### Photocell:

120V Swivel photocell (120V) included. Photocell is compatible only 120V.

#### Surge Protection:

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

### Other

#### 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. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

#### Buy American Act Compliance:

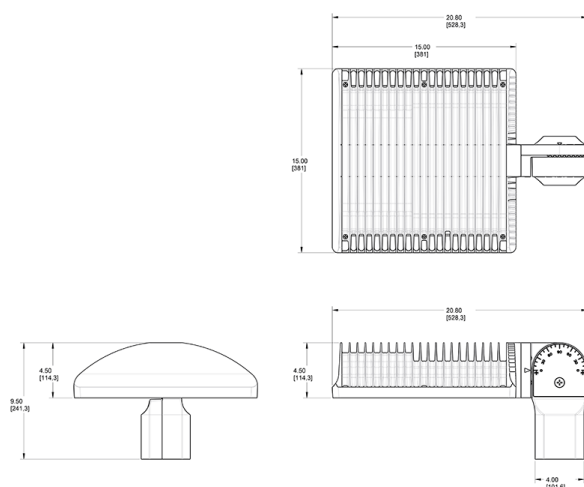
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

### Optical

#### BUG Rating:

B0 U0 G2

## 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	Other Options
RWLED	4T	50	SF			/PCS	
	<b>4T</b> = Type IV <b>3T</b> = Type III <b>2T</b> = Type II	<b>50</b> = 50W <b>78</b> = 78W <b>105</b> = 105W <b>125</b> = 125W <b>150</b> = 150W	<b>Blank</b> = Roadway Arm <b>SF</b> = Slipfitter	<b>Blank</b> = 5000K Cool <b>N</b> = 4000K Neutral <b>Y</b> = 3000K Warm	<b>Blank</b> = Bronze <b>RG</b> = Gray <b>W</b> = White	<b>Blank</b> = No Option <b>/PCT</b> = 120-277V Twistlock Photocell <b>/PCS</b> = 120V Swivel Photocell <b>/PCS2</b> = 277V Swivel Photocell <b>/BL</b> = Bi-Level Control <b>/D10</b> = 0-10V Dimming <b>/480</b> = 480V Driver	<b>Blank</b> = Standard <b>USA</b> = BAA Compliant