# RWLED4T50SFRG/PCS





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™ 50W replaces 200W metal halide roadway fixtures.

Color: Gray

Weight: 32.0 lbs

### **Technical Specifications**

#### Listings

### **UL Listing:**

Suitable for wet locations as a downlight.

#### 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.

## Optical

#### Lumen Maintenance:

100.000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

#### **BUG Rating:**

B0 U0 G2

### 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 ambient temperatures.

#### **Cold Weather Starting:**

The minimum starting temperature is -40°C/-40°F

**Project:** 

Type:

120V:

208V:

240V:

277V:

Prepared By:

96%

#### **Thermal Management:**

Superior patent pending 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:

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

#### **Recommended Mounting Height:**

#### **Reflector:**

Specular vacuum-metallized polycarbonate

High temperature silicone gaskets

are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

#### Green Technology:

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

#### **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 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 C78.377-2011.

#### Electrical

#### Driver:

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

#### Photocell:

120V swivel photocell (120V) Included. Photocell is compatible only 120V.

#### THD:

6.9% at 120V, 7.8% at 277V

#### **Driver Info** LED Info Constant Current 50W Watts 0.46A Color Temp: 5000K N/A Color Accuracy: 67 CRI 100000 N/A L70 Lifespan: N/A Lumens: 5.196 Input Watts: 52W Efficacy: 100 LPW Efficiency:

Type:

Date:

Up to 15 ft.

#### Gaskets:

#### Finish:

Our environmentally friendly polyester powder coatings

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#### **Technical Specifications (continued)**

#### Electrical

#### Surge Protection:

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

## Other

#### Equivalency:

#### LROAD<sup>™</sup> 50W replaces 200W metal halide

#### California Title 24:

RWLED4T50SF/PCS with the swivel photocell (120V) option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture ≤75 Watts.

#### Patents:

Dimensions

The LROAD  $^{\rm TM}$  design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

#### Warranty:

20.80

15.0

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.

#### Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

#### **Buy American Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

#### Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

#### Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

#### GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

#### Features

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

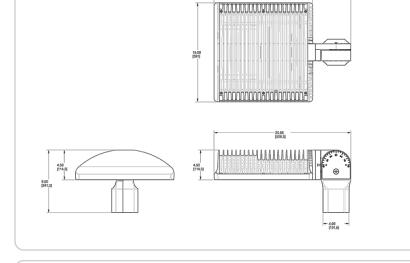
27 year lifespan dramatically reduces maintenance and re-lamping costs

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 Watts Mount Color Temp Finish Dimming Voltage Photocell **Bi-Level** RWLED 4T = Type IV 50 = SF = Blank = 5000K Blank = Blank = No Blank = 120-Blank = No Blank = No Bi-50W Slipfitter (Cool) Bronze Dimming 277V Photocel Level /D10 = Dimmable Y = 3000K (Warm) W = White /480 = 480V /PCS = 120V Swivel /BL = Bi-Level N = 4000K (Neutral) /PCS2 = 277V RG = Grav Swivel /PCS4 = 480V Swivel