# RWLED2T50SFRG/480





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 II. LROAD<sup>™</sup> 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:**

B1 U0 G1

# Construction

#### **IES Classification:**

The Type II distribution is ideal for entrance roadways, collector roads and other long, single-sided and narrow lighting applications. This type of lighting is commonly found on smaller local streets.

#### **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:** 

#### **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  $180^{\circ}$  pivot available for mounting on 2 3/8" tenon.

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

Up to 15 ft.

#### Reflector:

Specular vacuum-metallized polycarbonate

#### Gaskets:

High temperature silicone gaskets

#### Finish:

Our environmentally friendly polyester powder coatings 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, 347-480V, 50-60Hz, 0.13A, Power Factor 99%

#### **Ballast Volts:**

480V

#### Surge Protection:

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

#### Prepared By: Date: **Driver Info** LED Info Constant Current 50W Type: Watts 120V: N/A Color Temp: 5000K 208V: N/A Color Accuracy: 67 CRI 240V: N/A L70 Lifespan: 100000 277V: N/A Lumens: 5.329 Input Watts: 55W Efficacy: 97 LPW Efficiency: 91%

Type:

# RWLED2T50SFRG/480



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

#### Other

#### Equivalency:

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

#### California Title 24:

See RWLED2T50SF/480/PCS for a 2013 California Title 24 compliant.

#### Patents:

Dimensions

The LROAD<sup>™</sup> 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.

#### **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

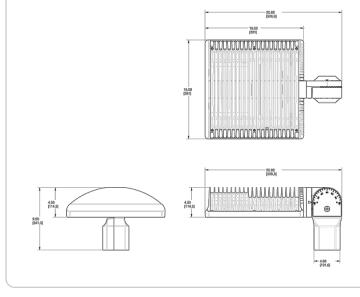
27 year lifespan dramatically reduces maintenance and re-lamping costs

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									
	2T = Type II	<b>50 =</b> 50W	SF = Slipfitter	Blank = 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	Blank = Bronze W = White RG = Gray	Blank = No Dimming /D10 = Dimmable	Blank = 120- 277∨ /480 = 480∨	Blank = No Photocell /PCS = 120V Swivel /PCS2 = 277V Swivel /PCS4 = 480V Swivel	Blank = No Bi- Level /BL = Bi-Level