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# RWLED2T50SFRG

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™ 50W replaces 200W metal halide roadway fixtures.

LED Info		Driver Info	•
Watts:	50W	Type:	Constant Current
Color Temp:	5000K (Cool)	120V:	0.46A
Color Accuracy:	67	208V:	0.27A
L70 Lifespan:	100000	240V:	0.23A
LM79 Lumens:	5329	277V:	0.20A
Efficacy:	103 LPW	Input Watts:	52W
		Efficiency:	96%

# **Technical Specifications**

# **UL Listing:**

Suitable for wet locations as a downlight.

## Lumen Maintenance:

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

# **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.

LEDs: Multi-chip, high-output, long-life LEDs

## Driver:

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

**THD:** 7.0% at 120V, 7.0% at 277V

# **Surge Protection:**

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

Ambient Temperature: Suitable for use in 40°C ambient temperatures. **Cold Weather Starting:** 

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

# **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: Up to 15 ft.

## **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.

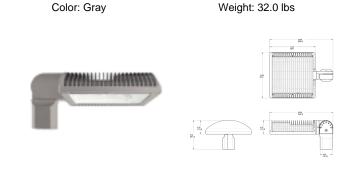
# Reflector:

Specular vacuum-metallized polycarbonate

Gaskets: High temperature silicone gaskets



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#### Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

## Equivalency:

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

## Green Technology:

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

### 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.

#### California Title 24:

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

### Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

#### Patents:

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.



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