# RWLED2T105SFYRG/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™ 105W replaces 320W 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 G2

## 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:** 

Type:

120V:

208V:

240V:

277V:

Prepared By:

### **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 25 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:

3-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

#### Drivers:

Two Drivers Constant Current, Class2, 1400mA, 347-480V, 50/60Hz, 0.25A, Power Factor 99%

### **Ballast Volts:**

480V

### Surge Protection:

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

#### **Driver Info** LED Info Constant Current Watts 105W N/A Color Temp: 3000K N/A Color Accuracy: 82 CRI N/A L70 Lifespan: 100000 N/A Lumens: 8.299 Input Watts: 109W Efficacy: 76 LPW Efficiency: 96%

Type:

Date:



## **Technical Specifications (continued)**

### Other

### Equivalency:

LROAD<sup>™</sup> 105W replaces 320W metal halide

### California Title 24:

See RWLED2T105SF/BL, RWLED2T105SF/PCS, RWLED2T105SF/PCS2, or RWLED2T105SF/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:

Dimensions

The LROAD  $^{\rm TM}$  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

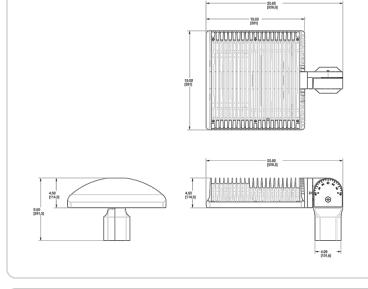
27 year lifespan dramatically reduces maintenance and re-lamping costs

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>105</b> = 105W	SF = Slipfitter	<b>Blank</b> = 5000K (Cool)	Blank = Bronze	Blank = No Dimming	<b>Blank</b> = 120- 277∨	Blank = No Photocell	Blank = No Bi- Level
				Y = 3000K (Warm)	W = White	/D10 = Dimmable	/ <b>480</b> = 480∨	/PCS = 120V Swivel	<b>/BL</b> = Bi-Level
				N = 4000K (Neutral)	RG = Gray				
								/PCS2 = 277V	
								Swivel	
								/PCS4 = 480V	
								Swivel	