# RWLED4T105SFNW



105W

4000K

82 CRI

100000

83 LPW

8.790



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<sup>™</sup> 105W replaces 320W metal halide roadway fixtures.

Color: White

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 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:** 

**Driver Info** 

Type:

120V:

208V:

240V:

277V:

Input Watts:

Efficiency:

Prepared By:

Constant Current

0.89A

0.58A

0.50A

0.44A

106W

99%

# **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.

Type:

Date:

LED Info

Color Temp:

Color Accuracy:

L70 Lifespan:

Lumens:

Efficacy:

Watts

### 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, 100-277V, 50/60Hz, 0.8A, Power Factor 99%

# THD:

7.6% at 120V, 16% at 277V

### **Surge Protection:**

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



# **Technical Specifications (continued)**

## Other

# Equivalency:

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

## California Title 24:

See RWLED4T105SF/BL, RWLED4T105SF/PCS, RWLED4T105SF/PCS2, or RWLED4T105SF/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

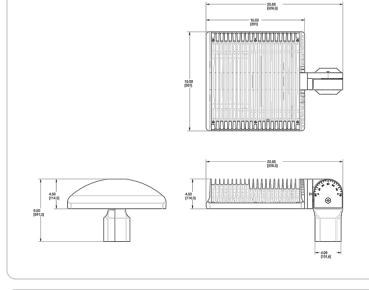
27 year lifespan dramatically reduces maintenance and re-lamping costs

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 D	Distribution	Watts	Mount	Color Temp	Finish	Dimming	Voltage	Photocell	Bi-Level
RWLED									
4	<b>IT</b> = Type IV	<b>105</b> = 105W	SF = Slipfitter	Blank = 5000K (Cool)	Blank = Bronze	Blank = No Dimming	<b>Blank</b> = 120- 277V	Blank = No Photocell	Blank = No Bi- Level
			-	<b>Y</b> = 3000K (Warm)	W = White	/D10 = Dimmable	/ <b>480</b> = 480∨	/ <b>PCS</b> = 120V Swivel	<b>/BL</b> = Bi-Level
				N = 4000K (Neutral)	RG = Gray				
								/PCS2 = 277V	
								Swivel	
								/PCS4 = 480V	
								Swivel	