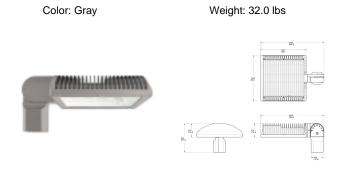
# RWLED2T105SFYRG/480

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.

## LED Info Driver Info

Watts:	105W	Type:	Constant Current
Color Temp:	3000K (Warm)	120V:	N/A
Color Accuracy:	82	208V:	N/A
L70 Lifespan:	100000	240V:	N/A
LM79 Lumens:	8299	277V:	N/A
Efficacy:	76 LPW	Input Watts:	109W
		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

#### **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.

## **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 25 ft.

#### **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.

## Reflector:

Specular vacuum-metallized polycarbonate

#### Gaskets:

High temperature silicone gaskets



Email: sales@rabweb.com

On the web at: www.rabweb.com

Note: Specifications are subject to change without notice

#### 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™ 105W replaces 320W 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 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.

## Dark Sky Approved:

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

## Patents:

The LROAD™ 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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