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# RWLED2T50NRG/BL

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	Туре:	Constant Current
Color Temp:	4000K (Neutral)	120V:	0.46A
Color Accuracy:	82	208V:	0.27A
L70 Lifespan:	100000	240V:	0.23A
LM79 Lumens:	4386	277V:	0.20A
Efficacy:	85 LPW	Input Watts:	52W
		Efficiency:	97%

## **Technical Specifications**

## RWLED2T50 with Bi-Level Operation:

Allows 50% and 100% output modes.

## 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 = 0.75

**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:

Two Drivers, Constant Current, Class 2, 720mA, 100-277V 50-60 Hz, 0.8A, Power Factor > 90%

## THD:

7.0% at 120V, 7.8% 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:

Fits most standard roadway upsweep arms. Adaptor brackets supplied fit 1", 1 1/4", 1 1/2" and 2" OD arms.

#### Wedge Mounting Option:

Allows field adjustment of +/- 5 degree tilt to achieve a level installation of LROAD50 universal adaptor roadway fixtures.

Recommended Mounting Height: Up to 15 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.

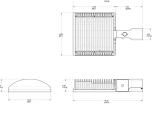


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Color: Gray

Weight: 33.5 lbs





#### **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

#### 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 RWLED2T50/PCT for a 2013 California Title 24 compliant model.

#### 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.



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#### **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.