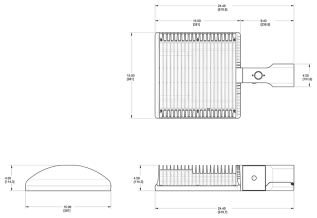
RWLED2T50NRG/D10

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.

Color: Gray

Weight: 33.5 lbs



LED Info

Watts:	50W
Color Temp:	4000K (Neutral)
Color Accuracy:	82
L70 Lifespan:	100000
LM79 Lumens:	4474
Efficacy:	87 LPW

Driver Info

Type:	Constant Current
120V:	0.46A
208V:	0.27A
240V:	0.23A
277V:	0.20A
Input Watts:	52W
Efficiency:	97%

Technical Specifications

RWLED2T50 with Dimmable Driver:
Driver includes dimming control for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

UL Listing:
Suitable for wet locations as a downlight.

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

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.

Copyright ©2015 RAB Lighting Inc. All Rights Reserved

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™ 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™ 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.

Copyright ©2015 RAB Lighting Inc. All Rights Reserved