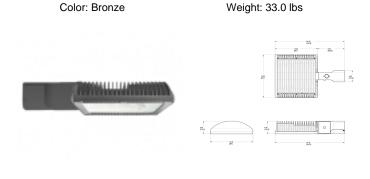
# RWLED4T78N/BL

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 IV.

LED Info Driver Info

Watts: 78W Type: **Constant Current** Color Temp: 4000K (Neutral) 120V: 0.78A Color Accuracy: 208V: 0.50A L70 Lifespan: 100000 240V: 0.44A LM79 Lumens: 4,287 277\/· 0.38A Efficacy: 47 LPW Input Watts: 91W Efficiency: 86%



# **Technical Specifications**

#### **UL Listing:**

Suitable for wet locations as a downlight.

# **Bi-Level Operation:**

Allows 33%-66%-100% output modes.

#### **Lumen Maintenance:**

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

#### **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 = 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:

Six (6) multi-chip, 13W, high-output, long-life LEDs.

#### **Drivers:**

Three drivers, constant current, Class 2, 100 - 277V, 50 - 60 Hz, 100 - 277VAC:0.4 Amps

# THD:

12.9% at 120V

#### **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 LROAD78 universal adaptor roadway fixtures. Wedge Mounting available.

#### **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.

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Email: sales@rabweb.com

On the web at: www.rabweb.com

Note: Specifications are subject to change without notice

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# Reflector:

Specular aluminum

#### Gaskets:

High temperature silicone gaskets

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#### 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, 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.

#### Replacement:

The LROAD™ replaces 175W Mercury Vapor, 150W HPS/MH roadway fixtures.

#### California Title 24:

LROAD™ complies with California Title 24 building and electrical codes.

#### 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.

#### Warrantv:

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. See our full warranty.

# **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).

# G H T I N G Tech Help Line: 888 RAB-1000

**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.

Email: sales@rabweb.com On the web at: www.rabweb.com