# RWLED3T150N/D10 USA

**RAB**
LIGHTING

| Project: | Type: |
|----------|-------|
| **Prepared By:** | **Date:** |

### Driver Info

| | |
|---|---|
| Type: | Constant Current |
| 120V: | 1.31A |
| 208V: | 0.80A |
| 240V: | 0.69A |
| 277V: | 0.60A |
| Input Watts: | 153W |
| Efficiency: | 98% |

### LED Info

| | |
|---|---|
| Watts: | 150W |
| Color Temp: | 4000K |
| Color Accuracy: | 71 CRI |
| L70 Lifespan: | 100000 |
| Lumens: | 16253 |
| Efficacy: | 106 LPW |

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 III. LROAD™ 150W replaces 400W metal halide roadway fixtures.

Color: Bronze                    Weight: 32.5 lbs

## Technical Specifications

### Electrical

**Dimming Driver:**

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

**Drivers:**

Two Drivers Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

**Surge Protection:**

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

**THD:**

5% at 120V, 14.1% at 277V

**Power Factor:**

99.5% at 120V, 93.5% at 277V

### Listings

**DLC Listed:**

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.
DLC Product Code: P4QPSDFR

**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.

### LED Characteristics

**Lifespan:**

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

**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 C78.377-2017.

### Construction

**IES Classification:**

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It has greater streetside (transverse) throw, allowing the light to project outward and fill the area.

**IP Rating:**

Ingress Protection rating of IP66 for dust and water

**Vibration Rating:**

Industry-leading 5G vibration rating per ANSI C136.31.

**Ambient Temperature:**

SuitableFor use in 40°C (104°F) ambient temperatures.

**Cold Weather Starting:**

Minimum starting temperature is -40°C (-40°F)

**Thermal Management:**

Superior thermal management design with external Air-Flow fins provides maximum operational life, even in high ambient temperature environments.

**Effective Projected Area:**

EPA = 0.75

**Lens:**

Tempered glass lens.

**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 LROAD150 universal adaptor roadway fixtures.

**Recommended Mounting Height:**

Up to 35 ft.

## Technical Specifications (continued)

### Construction

**Reflector:**

Specular vacuum-metallized polycarbonate

**Gaskets:**

High temperature silicone gaskets

**Finish:**

Formulated for high-durability and long lasting color.

**Green Technology:**

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

### Other

**California Title 24:**

RWLED3T150/D10 with the 0-10V driver option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 75 Watts mounted up to 24 feet when used with the RAB Stealth Dimmer. Use STLDIM10 to order a Stealth Dimmer module. Mounting heights greater than 24 feet require only a photocell. See RWLED3T150/PCS, RWLED3T150/PCS2 or RWLED3T150/PCT for photocell versions.

**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.

**Equivalency:**

Replaces 400W Metal Halide.

### FTC Country of Origin:

This product was assembled in the USA by RAB using imported components.
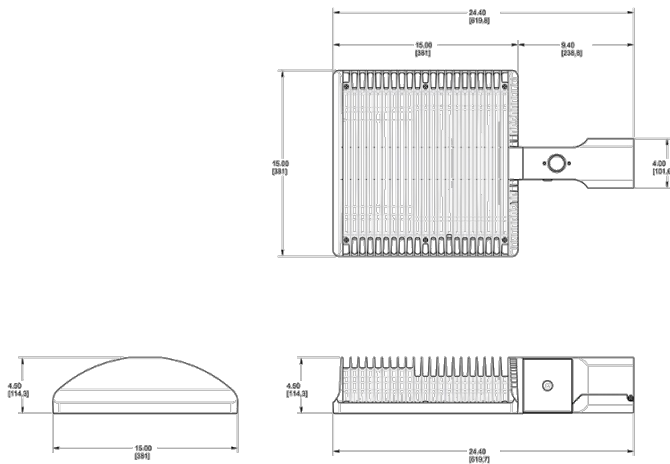
### Buy American Act Compliance:

This product complies with the Buy American Act.

### Optical

**BUG Rating:**

B1 U0 G2

### Dimensions



### Features

Ideal for roadway, general parking and major roads

27 year lifespan dramatically reduces maintenance and re-lamping costs

Precision optics deliver maximum downward street side lumens with uniformity and minimal glare

Compatible with standard roadway arms

Universal adaptors for 1", 1 1/4", 1 1/2" and 2" OD pipe included

Industry-leading 5G vibration rating per ANSI C136.31

Easy-access electrical compartment makes wiring fast and secure

10-Year no compromise warranty

Need help? Tech help line: **(888) RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

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**Ordering Matrix**

| Family | Distribution | Wattage | Mounting | Color Temp | Finish | Options |
|---|---|---|---|---|---|---|
| RWLED | 3T | 150 | | N | | /D10 |

| Family | Distribution | Wattage | Mounting | Color Temp | Finish | Options |
|---|---|---|---|---|---|---|
| | **4T** = Type IV | **150** = 150W | **Blank** = Roadway Arm | **Blank** = 5000K (Cool) | **Blank** = Bronze | **Blank** = No Option |
| | **3T** = Type III | **125** = 125W | **SF** = Slipfitter | **N** = 4000K (Neutral) | **RG** = Gray | **/PCT** = 120-277V Twistlock Photocell |
| | **2T** = Type II | **105** = 105W | | **Y** = 3000K (Warm) | **W** = White | **/PCS** = 120V Swivel Photocell |
| | | **78** = 78W | | | | **/PC2** = 277V Swivel Photocell |
| | | **50** = 50W | | | | **/BL** = Bi-Level Control |
| | | | | | | **/D10** = 0-10V Dimming |
| | | | | | | **/480** = 480V Driver |
| | | | | | | **/480/PCS4** = 480V w/ 480V Swivel Photocell |
| | | | | | | **/480/PCT4** = 480V w/ 480V Twistlock Photocell |

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