

# RWLED2T78SFY/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™ 78W replaces 250W metal halide roadway fixtures.

Color: Bronze

Weight: 32.0 lbs

Project:

Type:

Prepared By:

Date:

### Driver Info

|              |                  |
|--------------|------------------|
| Type:        | Constant Current |
| 120V:        | 0.66A            |
| 208V:        | 0.41A            |
| 240V:        | 0.35A            |
| 277V:        | 0.30A            |
| Input Watts: | 79W              |
| Efficiency:  | 98%              |

### LED Info

|                 |        |
|-----------------|--------|
| Watts:          | 78W    |
| Color Temp:     | 3000K  |
| Color Accuracy: | 82 CRI |
| L70 Lifespan:   | 100000 |
| Lumens:         | 6,132  |
| Efficacy:       | 77 LPW |

## Technical Specifications

### Other

#### RWLED2T78 with Bi-Level Operation:

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

#### Equivalency:

LROAD™ 78W replaces 250W metal halide

#### California Title 24:

RWLED2T78SF/BL with bi-level operation 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 a RAB photo/motion control. Select a photo/motion control using catalog number STL110, STL200 or STL360. Mounting heights greater than 24 feet require only a photocell. See RWLED2T78SF/PCS, RWLED2T78SF/PCS2 or RWLED2T78SF/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.

#### 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.

#### Listings

#### 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.

#### Optical

#### Lumen Maintenance:

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

#### Replacement:

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

#### Construction

#### 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.

#### Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

#### Cold Weather Starting:

The minimum starting temperature is -40°C/-40°F

#### 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.

#### Reflector:

Specular vacuum-metallized polycarbonate

## Technical Specifications (continued)

### Construction

#### 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.

#### Green Technology:

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

### LED Characteristics

#### LEDs:

Six (6) multi-chip, 13W, 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 warranted 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.

### Electrical

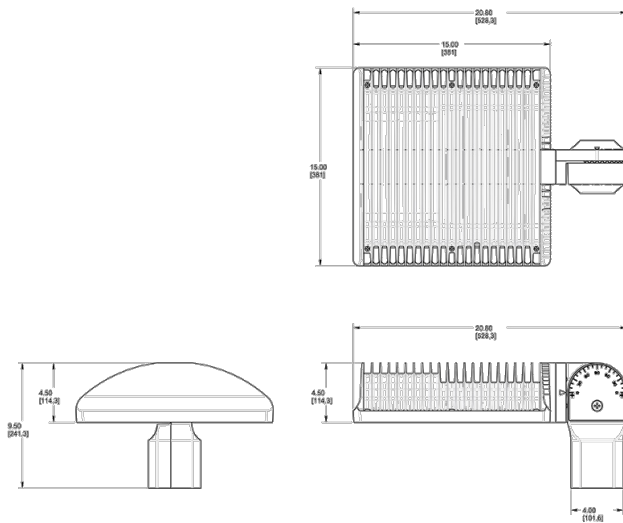
#### Drivers:

Two Drivers Constant Current, Class 2, 1050mA, 100-277V, 50/60Hz, 0.6A, Power Factor 99%

#### Surge Protection:

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

## Dimensions



## Features

Ideal for entrance roadways, collector roads, and single-sided roads

78W High-Performance LED

Replaces 250W metal halide roadway fixtures

27 year lifespan dramatically reduces maintenance and re-lamping costs

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

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

Easy-access electrical compartment makes wiring fast and secure

10-Year no compromise warranty

## Ordering Matrix

| Family | Distribution | Watts    | Mount           | Color Temp                                                      | Finish                                   | Dimming                               | Voltage                         | Photocell                                                                                | Bi-Level                              |
|--------|--------------|----------|-----------------|-----------------------------------------------------------------|------------------------------------------|---------------------------------------|---------------------------------|------------------------------------------------------------------------------------------|---------------------------------------|
| RWLED  | 2T = Type II | 78 = 78W | SF = Slipfitter | Blank = 5000K (Cool)<br>Y = 3000K (Warm)<br>N = 4000K (Neutral) | Blank = Bronze<br>W = White<br>RG = Gray | Blank = No Dimming<br>/D10 = Dimmable | Blank = 120-277V<br>/480 = 480V | Blank = No Photocell<br>/PCS = 120V Swivel<br>/PCS2 = 277V Swivel<br>/PCS4 = 480V Swivel | Blank = No Bi-Level<br>/BL = Bi-Level |