# RWLED2T105YW/480/PCT4



105W

3000K

82 CRI

100000

76 LPW

8.299



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™ 105W replaces 320W metal halide roadway fixtures.

Color: White

Weight: 33.5 lbs

## **Technical Specifications**

#### 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.

#### **BUG Rating:**

B1 U0 G2

## 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 = 0.75

### **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:**

#### **Thermal Management:**

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

arm

brackets supplied fit 1", 1 1/4", 1 1/2" and 2" OD arms.

Allows field adjustment of +/- 5 degree tilt to achieve a

#### **Recommended Mounting Height:**

Up to 25 ft.

#### Reflector:

Specular vacuum-metallized polycarbonate

#### Gaskets:

High temperature silicone gaskets

#### Finish:

Constant Current

N/A

N/A

N/A

N/A

96%

109W

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Type:

Date:

LED Info

Color Temp:

Color Accuracy:

L70 Lifespan:

Lumens:

Efficacy:

Watts

#### 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:

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 C78.377-2011.

#### Electrical

#### Drivers:

Two Drivers Constant Current, Class2, 1400mA, 347-480V, 50/60Hz, 0.25A, Power Factor 99%

#### **Ballast Volts:**

480V

**Project:** 

**Driver Info** 

Type:

120V:

208V

240\/-

277V:

Input Watts:

Efficiency:

Prepared By:

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

Superior patent pending thermal management design

#### Housing:

Die cast aluminum housing, lens frame and mounting

#### Mounting:

Fits most standard roadway upsweep arms. Adaptor

#### Wedge Mounting Option:

level installation of LROAD105 universal adaptor roadway fixtures.



## **Technical Specifications (continued)**

#### Electrical

#### Surge Protection:

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

## Other

### Equivalency:

#### LROAD™ 105W replaces 320W metal halide

#### California Title 24:

RWLED2T105/PCT4 with the twistlock photocell (480V) option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 75 Watts at mounting heights greater than 24 feet.

#### Patents:

The LROAD  $^{\rm TM}$  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:**

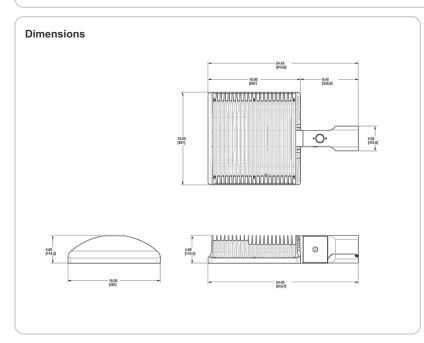
Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

#### **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.

#### Features

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

Ordering Matrix							
Family	Distribution	Watts	Color Temp	Finish	Voltage	Photocell	Bi-Level
RWLED							
	2T = Type II	<b>105</b> = 105W	Blank = 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	Blank = Bronze W = White RG = Gray	Blank = 120-277∨ /480 = 480∨	Blank = No Photocell /PCT = 120-277V Twistlock /PCT4 = 480V Twistlock	Blank = No Bi-Level /BL = Bi-Level