

Project:	Туре:
Prepared By:	Date:

Driver Info	)	LED Info			
Type	Constant Current	Watts	80W		
120V	0.67A	Color Temp	4000K (Neutral)		
208V	0.40A	Color	82 CRI		
240V	0.34A	Accuracy	02 0		
277V	0.30A	L70 Lifespan	100,000 Hours		
Input Watts	40.6/57.7/81.4W	Lumens	5746/7911/10637 lm		
		Efficacy	141.5/137.1/130.7 lm/W		

# **Technical Specifications**

# Field Adjustability

# Field Adjustable (Wattage):

Field adjustable light output in 3 discrete steps: Small Housing: 80W/60W/40W (factory default 80W)

# Compliance

# **UL Listed:**

Suitable for wet locations

#### IP Rating:

Ingress protection rating of IP66 for dust and water

# **DLC Listed:**

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

DLC Product Code: S-953WEZ

# **LED Characteristics**

# LEDs:

Long-life, high-efficacy, discrete, surface-mount LEDs

#### **Color Consistency:**

7-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 color temperature over a 5-year period

# **Color Uniformity:**

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2017.

### **Electrical**

# Driver:

40W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.34A, 208V: 0.20A, 240V: 0.17A, 277V: 0.15A

60W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.50A, 208V: 0.30A, 240V: 0.25A, 277V: 0.22A

80W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.67A, 208V: 0.40A, 240V: 0.34A, 277V: 0.30A

#### **Dimming Driver:**

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

#### THD

1.98% at 120V, 6.99% at 277V

#### **Power Factor:**

99.9% at 120V, 96.4% at 277V

#### **Surge Protection:**

Line to Line: 10kV Line to Ground: 6kV

# Performance

# Lifespan:

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

#### Wattage Equivalency:

Equivalent to 250W Metal Halide

# Construction

# IES Classification:

The Type II distribution is meant for lighting large areas, located by the roadside. Typically found on wide walkways, on ramps, entrace roadways and bike paths.

#### **Cold Weather Starting:**

The minimum starting temperature is -40°C (-40°F)

# **Ambient Temperature:**

Max Power Temp Rating: 40°C (104°F) Middle Power Temp Rating: 52°C (125°F) Low Power Temp Rating: 58°C (137°F)

# Housing:

Die-cast aluminum

# **ALEDS2TNW**



# **Technical Specifications (continued)**

# Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease.

#### Reflector:

Aluminum reflector with white polycarbonate

### **Vibration Rating:**

3G vibration rating per ANSI C136.31

# **Effective Projected Area:**

- 1 Fixture: 0.35
- 2 Fixtures at 90°: 0.54
- 2 Fixtures at 180°: 0.7
- 3 Fixtures at 90°: 0.9
- 4 Fixtures at 90°: 0.9

#### Gaskets:

High-temperature silicone gaskets

#### Finish:

Formulated for high durability and long-lasting color

# Green Technology:

Mercury and UV free. RoHS-compliant components.

# Optical

#### **Bug Rating:**

BUG Rating 80W: B2 U0 G1 BUG Rating 60W: B2 U0 G1 BUG Rating 40W: B2 U0 G1

# Other

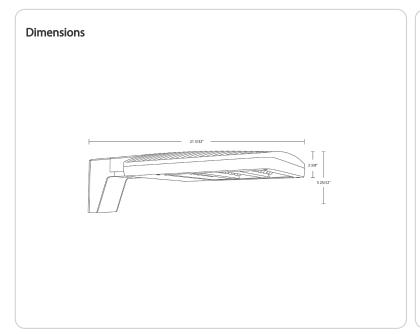
# Warranty:

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. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

# **Buy American Act Compliance:**

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.





# Features

0-10V dimmable standard

IP66 Rated

100,000-Hour LED lifespan

10-Year, No-Compromise Warranty

Family ALED	Housing Size	Distribution 2T	Mounting	Color Temp	Finish W	Voltage	Options
	<b>M</b> = Medium (150W/90W/78W)	3T = Type III	Pole Mount	Cool	Bronze	0-10V Dimming	/7PR = 7 Pin Twistlock
	<b>L =</b> Large (260W/220W/170W) <b>XL =</b> Extra Large	<b>4T =</b> Type IV <b>5T =</b> Type V	SF = Slipfitter WM = Wall Mount	<b>N</b> = 4000K Neutral	W = White B = Black	<b>/480</b> = 480V, 0-10V Dimming <sup>1</sup>	Receptacle /WS2 = Wattstopper,
	(385W/345W/300W)	AT = Auto Dealership	WWW — Wall Modelle	Y = 3000K	<b>D</b> = Diack	Dillilling	20ft lens
		Optic		Warm			/WS4 = Wattstopper, 40ft lens <sup>2</sup>