ALED-CMB2/78W/D10WS2-15P

RAB

Project:	**Type:**
Prepared By:	**Date:**

78W and 150W specification-grade area lights with IES Type III distribution, offered in combination with poles. For use in roadway, general parking and other area lighting applications where a larger pool of lighting is required.

Color: Bronze

Driver Info

Type:	Constant Current		
120V:	0.66A		
208V:	0.41A		
240V:	0.35A		
277V:	0.30A		
Input Watts:	77W		
Efficiency:	N/A		

LED Info

Watts:	78W
Color Temp:	5000K
Color Accuracy:	71 CRI
L70 Lifespan:	100000
Lumens:	9263
Efficacy:	121 LPW

Technical Specifications

Fixture

Quantity:

2 qty of ALED3T78/D10/WS2

Fixture: Listings

UL Listing:

Suitable for wet locations as a downlight

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: P0000179S

Title 24 Compliant:

An ALED area light fixture with a WS2 control option can be used to comply with 2016 Title 24 Part 6 Section 130.2 (a,b,c)

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80

Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire

Fixture: LED Characteristics

Lifespan:

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

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 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.

Fixture: Electrical

Driver:

Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99% (per fixture)

Dimming Driver:

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

THD:

5.3% at 120V, 13.3% at 277V (per fixture)

Fixture: 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 is intended to be located near the side of the area, allowing the light to project outward and fill the area.

IP Rating:

Ingress Protection rating of IP66 for dust and water

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 heat sinking with external Air-Flow fins

Effective Projected Area:

EPA = 0.75

Lens:

Tempered glass lens

Housing:

Die cast aluminum housing, lens frame and mounting arm

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:

Specular vacuum-metallized polycarbonate

Gaskets:

High temperature silicone gaskets

Finish:

Formulated for high-durability and long lasting color

Technical Specifications (continued)

Fixture: Construction

Weight:

32.5 lbs

Green Technology:

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

For use on LEED Buildings:

IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction

Fixture: Optical

BUG Rating:

B1 U0 G2

Fixture: Other

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Patents:

The ALED design is protected by patents in the U.S. Pat. 668,370, Canada Pat. 144956, China ZL201230100154.X, and Mexico Pat. 38423. Pending patents in Taiwan.

Replacement:

Replaces 250W Metal Halide (per fixture)

Sensor Specifications

Operating Voltage:

120-277V

Power Consumption:

1W

0-10V Sinking Current:

50mA

Adjustable High and Low Modes:

High: 0-10V; Low: off, 0-9.8V

Adjustable Time Delay:

Amount of time in high mode with no motion before switching to low mode: 5 min., 1 -30 min.

Adjustable Cut Off Delay:

Time in which the fixture will remain on low mode with no motion before turning off and waiting for new motion to turn on: None, 1 -60 min., 1 -5 hrs.

Adjustable Sensitivy:

None, low, medium, maximum

Adjustable Setpoint:

None, 1 to 250 fc, auto

Adjustable Ramp Up and Fade Down Times:

1 to 60 sec

Operating Temperature:

-40°F to 167°F (-40°C to +75°C)

Operating Humidity:

20% to 90% noncondensing

Relay Life Rating:

200,000 cycles (120/277VAC), 50,000 cycles (230VAC)

IP Rating:

Ingress Protection rating of IP66 for dust and water

UL Listing:

Suitable for Wet Locations as factory installed

Handheld Wireless Configuration Tool:

Adjust settings using handheld wireless configuration tool. Only available with 0-10V dimming driver options.

Multi Level Motion Sensor:

*30 ft. diameter coverage from 15 ft. height.

Poles: Listings

CSA Listed:

Suitable for wet locations

Poles: Construction

Shaft:

46,000 p.s.i. minimum yield.

Hand Holes:

Reinforced with grounding lug and removable cover

Base Plates:

Slotted base plates 36,000 p.s.i.

Color:

Bronze powder coating

Height:

15 FT

Weight:

106 lbs

Gauge:

11

Wall Thickness:

1/8"

Shaft Size:

4"

Hand Hole Dimensions:

3" x 5"

Bolt Circle:

8 1/2"

Base Dimension:

8"

Max Wind (MPH):

150 MPH

Max Wind (MPH):

130 MPH

Poles: Other

Shipping Protection:

All poles are shipped in individual corrugated cartons to prevent finish damage

Terms of Sale:

Pole Terms of Sale is available .

Anchor Bolt: Construction

Anchor Bolt:

Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook.

Anchor Bolt Templates:

WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available .

Finish:

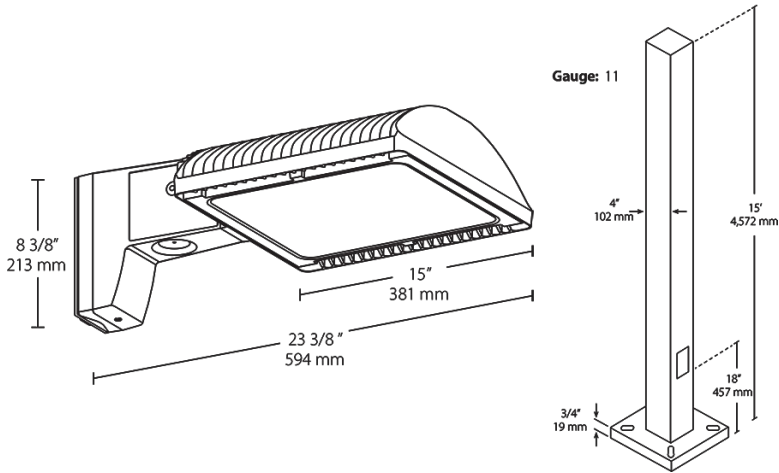Formulated for high-durability and long lasting color

Other

Shipping:

All components ship separately

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.

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

Page 2 of 3

ALED-CMB2/78W/D10WS2-15P

Dimensions

8 3/8"
213 mm

15"
381 mm

23 3/8 "
594 mm

Gauge: 11

4"
102 mm

15'
4,572 mm

18"
457 mm

3/4"
19 mm

Features

EZ-SITE™ Area Light & Pole Combos

Buy area lights and poles together and save!

Square Drilled Poles - 15 ft, 20 ft or 25 ft

Anchor Bolt Kit Included

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

Page 3 of 3