CLED2X20NMS2

RAB LIGHTING

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

High performance ceiling mounted LED lighting with mini sensor. Bi-level option available. Flush mount fixture bracket.

Color: Bronze   Weight: 12.2 lbs

Driver Info

Type:	Constant Current
120V:	0.38A
208V:	N/A
240V:	N/A
277V:	N/A
Input Watts:	44W
Efficiency:	91%

LED Info

Watts:	40W
Color Temp:	4000K
Color Accuracy:	74 CRI
L70 Lifespan:	100000
Lumens:	2,194
Efficacy:	50 LPW

Technical Specifications

Listings

UL Listing:

Suitable for damp locations.

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

LED Characteristics

Lifespan:

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

LEDs:

(4) 10W Multi-chip high-output, long-life LED.

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.

Color Accuracy:

74 CRI

Color Temperature (Nominal CCT):

4000K

Construction

Recommended Mounting Height:

8-10'.

Cold Weather Starting:

Minimum starting temperature is -40°F/-40°C.

Housing:

Precision die cast aluminum housing and lens framing.

Gaskets:

High-temperature silicone

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.

Electrical

Drivers (2):

Constant Current, Class 2, 100V-277V, 50/60 Hz, 4kv Surge Protection, 1000mA, 100-240VAC 0.5Amps, 277VAC 0.25Amps, Power Factor 98.4%.

THD:

7.7% at 120V

Voltage:

120 volts AC 60 Hz.

Other

Thermal Management (Patent Pending):

Die-cast aluminum Thermal Management system for optimal heat dissipation.

Patents:

RAB CLED2X20 are protected by patents in US pat. D634,872 CN ZL201030129122 MX 32490 TW pat. D139372

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.

California Title 24:

CLED complies with California Title 24 building and electrical codes.

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.

Technical Specifications (continued)

Other

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

Optical

Fixture Efficacy:

50 Lumens per Watt

BUG Rating:

B1 U0 G0

BUG Rating:

B1 U0 G0

Sensor Characteristics

Sensor Switching Capacity:

5 Amps, 450 Watts LED @ 120 Volts 0.8pF Driver; 5 Amps, 300 Watts LED @ 120 Volts 0.5pF Driver.

Sensor Time Adjustment:

5 seconds to 15 minutes.

Sensor Quick Test Time:

5 second test time for fast installation. Works day or night.

Sensor "No Hands" Auto Testing:

Auto mode starts after 4 minutes of testing. No adjustment needed.

Sensor Photoelectric Control:

Deactivates lights during daylight. Fully adjustable for 24 hour operation or custom applications.

Sensor LED Detection Indicator:

LED glows red day & night for "on guard" deterrence.

Sensor RF Immunity:

Circuits fully shielded for maximum radio frequency immunity.

Sensor Ratings:

5 amps.

Sensor Power Consumption:

Negligible

Sensor Manual Switch:
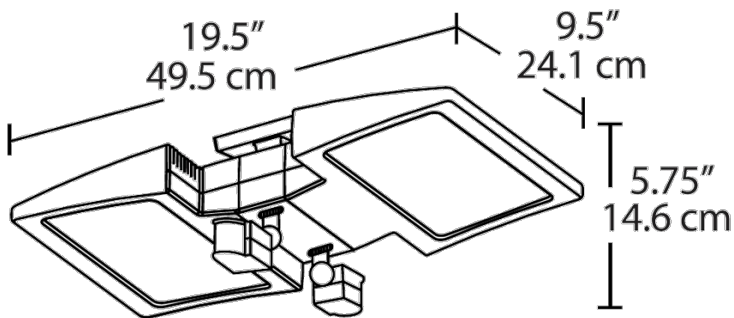
None.

Sensor Ambient Light Sensing:

Adjustable.

Sensor Adjustments:

Time, ambient light & sensitivity.

Sensor Detection:

360° detection pattern.

Dimensions

19.5"
49.5 cm

9.5"
24.1 cm

5.75"
14.6 cm

Features

Reduce energy usage with motion sensor technology you can rely on

LED combined with mini sensor for an all-in-one lighting solution

Great for small spaces like utility closets and storage rooms

5 year warranty