RTLED2X2/LCBS/E

RAB®

Color: White   Weight: 6.7 lbs

Project:		Type:
Prepared By:		Date:

Driver Info

Type	Constant
120V	0.25A/0.21A/0.15A
208V	0.15A/0.12A/0.09A
240V	0.13A/0.10A/0.08A
277V	0.11A/0.10A/0.07A
Input Watts	17-28.58W

LED Info

Watts	30/25/18W
Color Temp	3500K/4000K/5000K
Color Accuracy	84-85 CRI
L70 Lifespan	N/A
Lumens	2,293-3,814 lm
Efficacy	125.69-138.1 lm/W

Technical Specifications

Compliance

UL Listed:
Suitable for damp locations

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-R1IK8X

Electrical

Driver:
30W: Class 2, Constant Current, 120-277V, 50/60 Hz, 120V: 0.25A, 208V: 0.15A, 240V: 0.13A, 277V: 0.11A

25W: Class 2, Constant Current, 120-277V, 50/60 Hz, 120V: 0.21A, 208V: 0.12A, 240V: 0.10A, 277V: 0.10A

18W: Class 2, Constant Current, 120-277V, 50/60 Hz, 120V: 0.15A, 208V: 0.09A, 240V: 0.08A, 277V: 0.07A

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

THD:
3.41% at 120V, 4.37% at 277V

Power Factor:
99.67% at 120V, 96.3% at 277V

Battery Backup:
Battery backup will operate the fixture for 90 minutes if power fails. Wired for 120.

Surge Protection:
2.5kV

Construction

Housing:
Steel sheet metal

Cold Weather Starting:
The minimum starting temperature is 0°C (32°F)

Ambient Temperature:
Suitable for use in up to 40°C (104°F)

Reflector:
High-reflectance, powder-coated finish, optimized for uniform light distribution

Mounting:
Recessed ceiling

Lens:
Polycarbonate lens

Finish:
Formulated for high durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

LED Characteristics

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

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 Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Performance

Lifespan:
50,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

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Technical Specifications (continued)

Lightcloud

Lightcloud Blue Low Voltage Controller and Related Sensor Installed:

Occupancy,Vacancy, and closed loop daylight harvesting in oneVersatile sensor. In addition control any fixture in your Lightcloud Blue integrated/embedded networked lighting luminaire-level control system. LLLC - capable of switching, 0-10V dimming, power/energy monitoring. Can also be used to extend the range of the Lightcloud Blue utilizing a "BLE Mesh" network communication protocols. The Lightcloud Blue sensor can be attached to the fixture provided an unobstructedView of the coverage area is available. DLC system - N1XMLOEATBA
Learn more about Lightcloud.

Uncommissioned State Parameters:

Motion Sensor Status: Enabled
Motion Sensitivity: high (100% range)
Brightness when triggered: 100%
Hold Time: 1 minute
Stand-By-Dim Level: 20%
Daylight Harvesting: Disabled

Commissioned State Parameters (Once paired to Lightcloud Blue App):

Motion Sensor Status: Disabled (can be enabled via app)
Motion Sensitivity: High (100% range, can be adjusted to medium and low)
Brightness when triggered: Last on status (can also be adjusted to certain dim level)
Hold Time: 20 minutes (can be adjusted from 1 minute to 240 minutes)
When Vacant: Off (can be adjusted to certain dim level)
Daylight Harvesting: Disabled (can be enabled to close-loop)

Other

5 Yr Limited Warranty:

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.
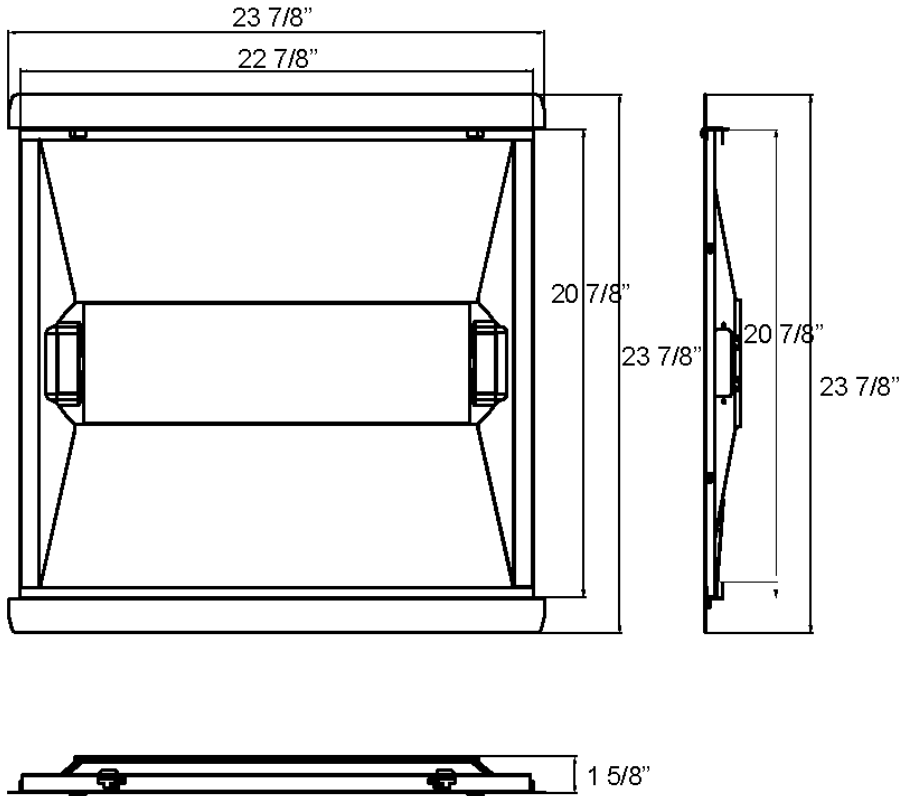
Note:

All values are typical (tolerance +/- 10%)

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.

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Dimensions

23 7/8"
22 7/8"
20 7/8"
23 7/8"
20 7/8"
23 7/8"
1 5/8"

Ordering Matrix

Family	Size (Wattages)	Color Temp	Finish	Voltage	Options
RTLED	2X2				/LCBS/E

2X2 = 2' x 2' (30W/25W/18W)
1X4 = 1' x 4' (30W/25W/18W)
2X4 = 2' x 4' (35W/30W/25W)

Blank = 3500K/4000K/5000K CCT Adjustable

Blank = White

Blank = 120-277V, 0-10V Dimming

Blank = No Option
/E = Battery Backup
/MVS = Microwave Occupancy Sensor
/LCB = Lightcloud® Blue Enabled
/LCBS = Lightcloud® Blue Enabled w/ PIR Sensor
/LCBS/MVS = Lightcloud® Blue Enabled w/ MVS Sensor
/MVS/E = Microwave Occupancy Sensor w/ Battery Backup
/LCB/E = Lightcloud® Blue Enabled w/ Battery Backup
/LCBS/E = Lightcloud® Blue Enabled w/ PIR Sensor & Battery Backup
/LCBS/MVS/E = Lightcloud® Blue Enabled w/ MVS Sensor & Battery Backup

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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