RTLED1X4/MVS/E



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	17.9-30.1W

LED Info

Watts	30/25/18W
Color Temp	3500K/4000K/5000K
Color Accuracy	85 CRI
L70 Lifespan	100,000 Hours
Lumens	2,438-4,156 lm
Efficacy	127.98-144.5 lm/W

Technical Specifications

Compliance

UL Listed:
Suitable for damp locations

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires have been tested by an independent laboratory in accordance with IESNAlm-79 andlm-80

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-SM9GEZ

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:
3.43% at 120V, 4.22% at 277V

Power Factor:
99.72% at 120V, 96.03% 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:
Retrofits into the existing housing

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

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Technical Specifications (continued)

Sensor Specifications

Capacitance Load:
400VA at 120VAC, 800VA at 230VAC, 1000VA at 277VAC

Operating Temperature:
-20°C to +60°C (-4°F to +140°F)

Relay:
Zero-cross relay

Maximum Mounting Height:
16.4 ft

Customizable Detection Area:
10, 50, 75 or 100%

Time Delay:
5s, 30s, 1min, 5min, 10min, 20min, 30min

Cut Off Period:
0s, 10s, 1min, 5min, 10min, 30min, 1hr, Bi-Level

Cut-Off Dimming level:
10, 20, 30, 50%

Cut-Off Power:
Less than 1W

Daylight Threshold:
Disable/400Lux/350Lux/300Lux/250Lux/200Lux/120 Lux/ 80Lux/50Lux/30Lux/10Lux/2Lux

Sensor Principle:
High Frequency

Microwave Frequency:
5.8GHz +/- 75MHz

Microwave Power:
<0.3mW

Max Detection Range:
26 ft diameter at 16 ft mounting height

Detection Angle:
About 30 to 150 degrees

Remote Control Accessory:
Adjust settings using remote control (catalog# MSR1). Only available with 0-10V dimming driver options. Remote control available here.

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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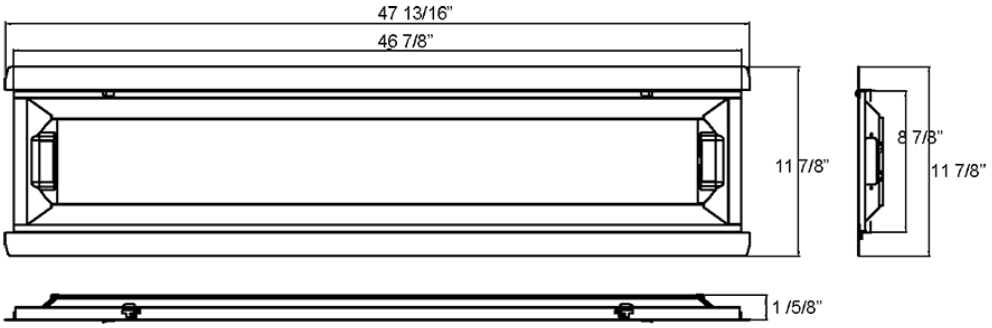
Dimensions



Ordering Matrix

Family	Size (Wattages)	Color Temp	Finish	Voltage	Options
RTLED	1X4				/MVS/E
	2X2 = 2' x 2' (30/25/18W) **1X4 =** 1' x 4' (30/25/18W) **2X4 =** 2' x 4' (35/30/25W)	**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

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