



<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

Driver Info		LED Info	
Type	Constant	Watts	30/25/18W
120V	0.25A/0.21A/0.15A	Color Temp	3500K/4000K/5000K
208V	0.15A/0.12A/0.09A	Color	85 CRI
240V	0.13A/0.10A/0.08A	Accuracy	
277V	0.11A/0.10A/0.07A	L70 Lifespan	N/A
Input Watts	17.9-30.1W	Lumens	2,438-4,156 lm
		Efficacy	127.98-144.5 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-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

**Device Identification Button:**

Located at the top of the controller under the Lightcloud logo.

Once the Controller has been provisioned to the Lightcloud Blue mobile app this button offers the following functionality:

Press once to rapid identify this device in the Lightcloud Blue mobile app

Press twice to toggle circuit on and off

Press twice and hold to set dim level

Press and hold for 10s to reset the device to factory settings and into pairing mode

**Connection Type:**

RJ09

**Max Mounting Height:**

Max 13.1 ft height

**Detection Range:**

26.2 ft diameter at 13.1 ft height

**Construction**

**Housing:**

Steel sheet metal

**Cold Weather Starting:**

The minimum starting temperature is -20°C (-4°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

## Technical Specifications (continued)

### Color Stability:

LED color temperature is warranted 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

### Lightcloud

#### Lightcloud Blue:

Lightcloud Blue is a Bluetooth mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patent-pending Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.

DLC system - N1XMLOEATBA

[Learn more at www.lightcloud.com](http://www.lightcloud.com)

#### Gateway Required:

No

#### Communication Protocol:

Bluetooth Mesh

#### Range:

Up to 60 feet between standard building materials.  
Up to 200 feet clear line of sight.

#### Spacing Criteria:

Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.

#### Factory Reset:

To reset the device to factory settings and into pairing mode locate the device identification button at the top of the Controller under the Lightcloud logo. Press and hold this button for 10s or until the indicator light begins flashing red. If the Controller is attached to a fixture, the fixture will also flash on/off 5x.

### Sensor Settings

#### Default Setting:

Uncommissioned State:  
Sensor Status: Enabled  
Motion Sensitivity: High  
Brightness when triggered : 100%  
Hold time: 1 minute  
Standby to dim: 20%  
Standby time: 1 minute  
When vacant: Off

#### Commissioned State:

Sensor Status: Disabled, once enabled the following default are set.  
Motion Sensitivity: High  
Brightness when triggered: Last on status  
Hold time: 20 minutes  
When vacant: Off

#### Sensing Type:

Occupancy or Vacancy

#### Sensor Sensitivity:

Low/Medium/High

#### Occupied Actions:

On or On at a Dim Level

#### Vacant Options:

Off or On at a Dim Level

#### Occupancy Timeout:

1 minute to 240 minutes

#### Daylight Sensing:

The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set in the Lightcloud Blue mobile app.

#### Daylight Threshold:

150 lux to 1500 lux

### 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](http://rablighting.com/warranty).

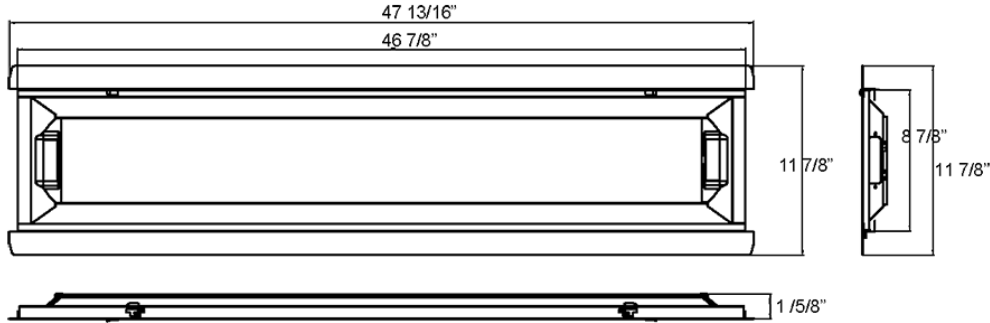
#### Note:

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.

Dimensions



Ordering Matrix

Family	Size (Wattages)	Color Temp	Finish	Voltage	Options
RTLED	1X4				/LCB
	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