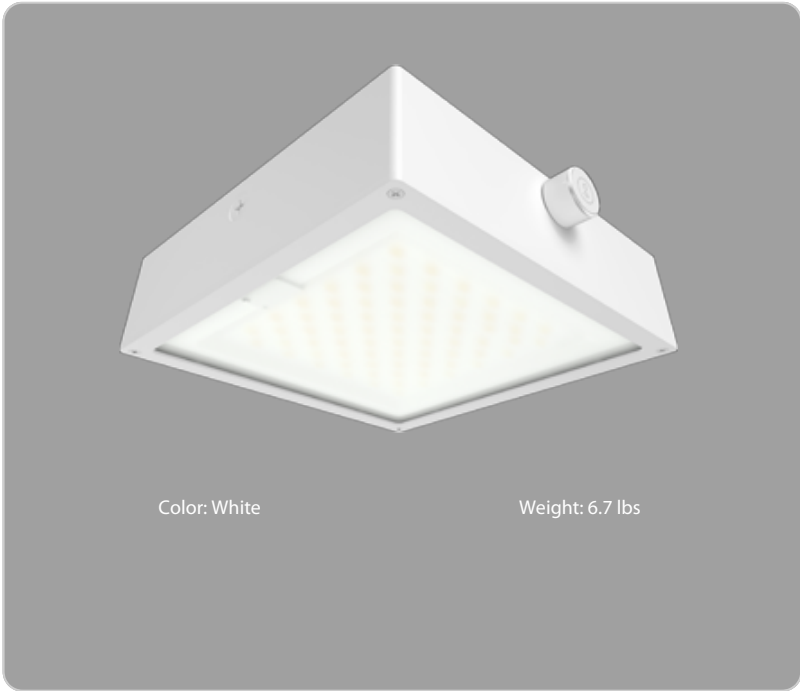




|              |       |
|--------------|-------|
| Project:     | Type: |
| Prepared By: | Date: |

| Driver Info |                  | LED Info       |                  |
|-------------|------------------|----------------|------------------|
| Type        | Constant Current | Watts          | 90/80/70W        |
| 120V        | N/A              | Color Temp     | 3000/4000/5000K  |
| 208V        | N/A              | Color Accuracy | 84-87 CRI        |
| 240V        | N/A              | L70 Lifespan   | N/A              |
| 277V        | N/A              | Lumens         | 9,470-12,576 lm  |
| Input Watts | 68.8-90.8W       | Efficacy       | 130.2-146.6 lm/W |

Technical Specifications

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:  
90W/80W/70W (factory default: 90W)  
Color Temperature Selectable:  
3000K, 4000K and 5000K (factory default:4000K)  
Photocell Selectable:  
Built-in on/off photocell (factory default: off)

Compliance

UL Listed:

Suitable for wet locations

IESNA LM-79 & LM-80 Testing:

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

IP Rating:

Ingress protection rating of IP65 for dust and water

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-6CSM8B (Stairwell and Passageway Luminaires)  
DLC Product Code: S-DHGX08 (Fuel Pump Canopy Luminaires)

Electrical

Driver:

Constant Current, Class 1, 120-277V, 50/60 Hz:  
90W: 480V: 0.21A  
80W: 480V: 0.18A  
70W: 480V: 0.17A

Dimming Driver:

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

Aux Power Supply:

Yes

Dim to Off:

Yes

Surge Protection:

L/N: 4 kV, L/N-PE: 6 kV

Photocell:

Built-in photocell included with on/off switch

LED Characteristics

LEDs:

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

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

Construction

Cold Weather Starting:

The minimum starting temperature is -40°F (-40°C)

Maximum Ambient Temperature:

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

Lens:

Polycarbonate frosted flat lens

Gaskets:

Ethylene Propylene Diene Monomer (EPDM)

Housing:

Die-cast aluminum

Reflector/Tray:

Aluminum

Technical Specifications (continued)

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

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 patented 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 (Interior);  
NHCZ2BIA17L (Exterior)

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

Gateway Required:

No

Communication Protocol:

Bluetooth Mesh

Range:

Indoor: Up to 60 feet between standard building materials. Building materials such as brick, concrete, and steel construction may require additional Lightcloud Blue devices to extend around an obstruction; Up to 200 feet clear line of sight.

Outdoor: Up to 60 feet clear line of sight; Up to 18 feet around corners.

Spacing Criteria:

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

Factory Reset:

Method 1: Delete from App  
Open the app and access the device settings for the paired device. Be sure that the device is online and select 'Delete'. The device will flash on/off 5 times and return to full brightness.  
Method 2: Manual  
Press and hold down the button located at the top of the Controller for 10 seconds or until the light flashes on/off 3 times. The status indicator light will flash red to confirm it has been reset and is ready to pair to the App.

Sensor Settings

Sensor Connection Type:

RJ09

Max Mounting Height:

40 ft

Detection Range:

18 ft to 44 ft diameter mounted at 13 ft

Sensor Technology:

Microwave (MVS)

Default Setting:

Uncommissioned State:  
Motion Sensitivity: High  
Brightness when triggered : 100%  
Hold time: 20 minutes  
Standby to dim: 20%  
Standby time: 1 minute  
When vacant: Off  
Daylight: Disabled

Commissioned State:  
Once pair, the sensor will default to disabled. Once enabled the following settings apply:  
Motion Sensitivity: High  
Brightness when triggered: Last on status  
Hold time: 20 minutes  
Standby to dim: 20%  
Standby time: 1 minute  
When vacant: Off  
Daylight: Disabled

Adjustable Sensor Settings?:

Yes, using the Lightcloud Blue mobile app

Sensing Type:

Occupancy or Vacancy (option to disable or set as an independent sensor)

Occupied Actions:

On or On at a Dim Level

Vacant Actions:

Off or On at a Dim Level

Occupancy Timeout:

1 minute to 240 minutes

Daylight Sensing:

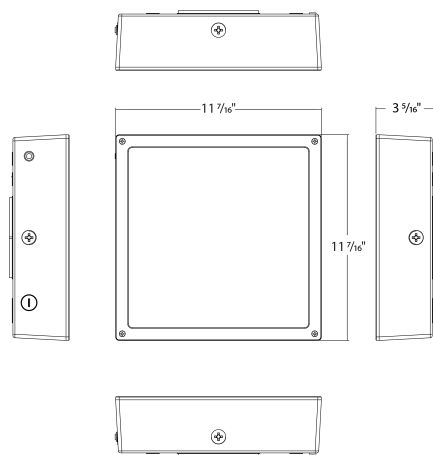
The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set in the Lightcloud Blue mobile app.

Other

5-Year 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).

Dimensions



Features

- 100,000-Hour LED lifespan
- 0-10V Dimming
- IP65 Rated
- 5-Year, limited warranty

Ordering Matrix

| Family | Wattage                                            | Color Temp                                | Lens                                                                                             | Finish                         | Driver                                                              | Controls                                                                                                               | Battery Backup                         |
|--------|----------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| VAN34  | 90                                                 |                                           | FFR                                                                                              | W                              | /480                                                                | /LCBS/MVS                                                                                                              |                                        |
|        | 30 = 30/20/10W<br>90 = 90/80/70W<br>60 = 60/50/40W | Blank = 3000/4000/5000K<br>CCT Adjustable | F = Flat Lens<br>FFR = Frosted<br>Flat Lens<br>FR = Frosted<br>Drop Lens<br>Blank = Drop<br>Lens | W = White<br>Blank =<br>Bronze | Blank = 120-277V,<br>0-10V Dimming<br>/480 = 480V, 0-10V<br>Dimming | /MVS = Microwave Sensor<br>/LCBS/MVS = Lightcloud Blue<br>w/MVS Sensor<br>/LC = Lightcloud<br>Blank = On/Off Photocell | Blank = None<br>/E = Battery<br>Backup |