



Color: Gray

Weight: 11.6 lbs

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

Driver Info		LED Info	
Type	Constant Current	Watts	135/100/70W
120V	1.13A/0.83A/0.50A	Color Temp	3500/4000/5000K
208V	0.65A/0.48A/0.29A	Color Accuracy	84-86 CRI
240V	0.56A/0.42A/0.25A	L70 Lifespan	100,000 Hours
277V	0.49A/0.36A/0.22A	Lumens	10,310-19,460 lm
Input Watts	64.5-128.4W	Efficacy	147.2-163.7 lm/W

**Technical Specifications**

**Compliance**

**UL Listed:**

Suitable for wet locations

**NSF:**

NSF Certified by Public Health and Safety

**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 IP67 for dust and water

**NEMA Rating:**

NEMA 4X rating indicates an enclosure protects against windblown dust and rain, splashing and hose-directed water, and offers additional corrosion resistance.

**DLC Listed:**

This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at [designlights.org](http://designlights.org) to confirm the qualification status of a specific SKU prior to specification or purchase.

**Electrical**

**Dimming Driver:**

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

**THD:**

4.24% at 120V, 8.35% at 277V

**Power Factor:**

99.8% at 120V, 94.9% at 277V

**Surge Protection:**

Ring Wave LN4 kV/LN-GND 6 kV

**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 IESIm-80 results and TM-21 calculations

**Construction**

**Housing:**

Impact-resistant polycarbonate\* with stainless steel door clips. 1/2" NPS opening for conduit and bushing/cord entry. \*Polycarbonate is affected by cleaning agents or other liquids containing partial solvents such as low molecular weight aldehydes and ethers, ketones, esters, aromatic hydrocarbons and perchlorinated hydrocarbons. [Click here for a detailed list of damaging chemicals.](#)

**Lens:**

Diffuse polycarbonate lens for low glare and maximum protection

**Gaskets:**

High-temperature silicone gaskets

## Technical Specifications (continued)

### Cold Weather Starting:

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

### Maximum Ambient Temperature:

135W: Surface Mount: -40° to 122°F (-40 to 50°C);

Suspended Mount: -40° to 131°F (-40 to 55°C)

100W: Surface Mount: -40° to 131°F (-40 to 55°C);

Suspended Mount: -40° to 136°F (-40 to 58°C)

70W: Surface Mount: -40° to 131°F (-40 to 55°C);

Suspended Mount: -40° to 140°F (-40 to 60°C)

### Installation:

Tether Cables are provided for easy installation.

Quick connector may be used for quick and easy wiring.

### Green Technology:

Mercury and UV free. RoHS-compliant components.

### Finish:

Formulated for high durability and long-lasting color

## Installation

### Mounting:

Quick-mount, stainless steel snap on brackets supplied for surface mounting. V-Hook brackets supplied standard for suspending the fixture.

## Sensor Settings

### Sensor Connection Type:

Pogo pin

### Max Mounting Height:

50 ft

### Detection Range:

50 ft diameter mounted at 50 ft

### Sensor Technology:

Microwave (MVS)

### Default Setting:

Motion Sensitivity: High

Brightness when triggered : 100%

Hold time: 20 minutes

Standby to dim: 20%

Standby time: 1 minute

When vacant: Off

Daylight: Disabled

### Adjustable Sensor Settings?:

Yes, using the MSR1 Remote (sold separately)

Standby to dim: 10%/20%/30%/50%

Standby time:

0s/10s/30s/1min/5min/10min/30min/60min/+∞

### Daylight Threshold:

2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable

### Remote Control Accessory:

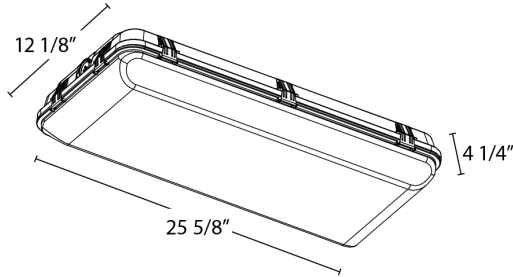
Adjust settings using remote control (catalog# MSR1). Only available with 0-10V dimming driver options. [Remote control available here.](#)

## 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

- NSF certified for use in food-preparation facilities
- 100,000-Hour LED lifespan
- DLC Premium Listed
- IP67 Rated for Wet Locations
- NEMA 4X Rating Listed
- 5-Year, limited warranty

## Ordering Matrix

Family	Size/Wattage	Color Temp	Finish	Driver	Options
WHALE	2H				/MVS
	2H = 2 ft, 135/100/70W 4 = 4 ft, 160/140/120W 4H = 4ft, 265/225/145W 2 = 2 ft, 90/75/60W	Blank = 3000/4000/5000K CCT Adjustable	Blank = Gray	Blank = 120-277V, 0-10V Dimming	/LCBS/MVS/E = Lightcloud Blue w/MVS Sensor & Battery Backup /LCBS/E = Lightcloud Blue w/PIR Sensor & Battery Backup /PIR/E = Passive Infrared Occupancy Sensor w/Battery Backup /MVS/E = Microwave Occupancy Sensor w/Battery Backup /LCBS/MVS = Lightcloud Blue w/MVS Sensor /LCBS = Lightcloud Blue w/PIR Sensor /PIR = Passive Infrared Occupancy Sensor /MVS = Microwave Occupancy Sensor /E = Battery Backup Blank = No Option