



Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	40/30/20W
120V	0.30A/0.25A/0.17A	Color Temp	3500/4000/5000K
208V	0.17A/0.14A/0.10A	Color Accuracy	84-86 CRI
240V	0.15A/0.13A/0.08A	L70 Lifespan	100,000 Hours
277V	0.13A/0.11A/0.07A	Lumens	2,810-4,884 lm
Input Watts	19.7-35.4W	Efficacy	133.5-143.8 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:
2' x 4': 36W/30W/20W (factory default 36W)
Color temperature selectable by 3500K, 4000K and 5000K (factory default 4000K)

Compliance

UL Listed:

Suitable for damp 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.

IC Rated:

Suitable for direct contact with insulation

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 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:

6.86% at 120V, 12.76% at 277V

Power Factor:

99.7% at 120V, 97.2% at 277V

Surge Protection:

L-N: 1 kV
L/N-PE: 2 kV

Construction

Cold Weather Starting:

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

Ambient Temperature:

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

Housing:

Polypropylene (PP)

Reflector:

Integral reflector (on the sides) with high reflectance finish, optimized for uniform distribution.

Lens:

Polycarbonate lens

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Installation

Mounting:

Recessed ceiling

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.

Technical Specifications (continued)**Performance****Lifespan:**

100,000-Hour LED lifespan based on IESlm-80 results and TM-21 calculations

Sensor Settings**Capacitance Load:**

400VA at 120VAC, 800VA at 230VAC, 1000VA at 277VAC

Operating Temperature:

-4°F to +140°F (-20°C to +60°C)

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:

About .2-5 fc for disabled

Sensor Principle:

High Frequency

Microwave Frequency:

5.8GHz +/- 75MHz

Microwave Power:

<0.2mW

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# MVSREM). Only available with 0-10V dimming driver options. [Remote control available here.](#)

Other**5-Year, No-Compromise Warranty:**

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Compatible Accessories:

EMB-[9][15][25]

0-10V Dimmable 120-347V emergency driver

Driver:

36W: Class 2, Constant Current, 120-277V, 50/60 Hz,

120V: 0.30A, 208V: 0.17A, 240V: 0.15A, 277V: 0.13A

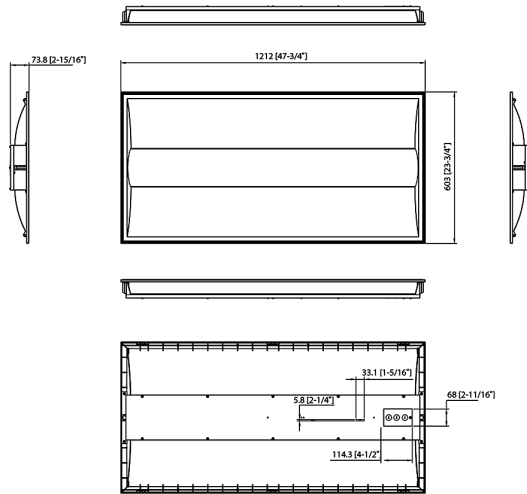
30W: Class 2, Constant Current, 120-277V, 50/60 Hz,

120V: 0.25A, 208V: 0.14A, 240V: 0.13A, 277V: 0.11A

20W: Class 2, Constant Current, 120-277V, 50/60 Hz,

120V: 0.17A, 208V: 0.10A, 240V: 0.08A, 277V: 0.07A

Dimensions



Features

- 0-10V Dimming, standard
- 100,000-hour LED lifespan
- 5-Year, no-compromise warranty

Ordering Matrix

Family	Size (Wattage)	Color Temp	Finish	Driver	Options
C-SWISH	2X4				/MVS
	2X2 = 2' x 2' (30/25/20W) 1X4 = 1' x 4' (30/25/20W) 2X4 = 2 x 4' (36/30/20W)	Blank = 3500/4000/5000K CCT Adjustable	Blank = White	Blank = 120-277V, 0-10V Dimming	Blank = No Option /E = Battery Backup /MVS = Microwave Occupancy Sensor /LCBS/MVS = Lightcloud Blue MVS Sensor /LC = Lightcloud /LC/E = Lightcloud w/Battery Backup /MVS/E = Microwave Occupancy Sensor w/Battery Backup /LCBS/MVS/E = Lightcloud Blue MVS Sensor w/Battery Backup