SR8/MVS/E

RAB®

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.50A/0.41A/0.33A
208V	0.29A/0.24A/0.19A
240V	0.25A/0.21A/0.17A
277V	0.22A/0.18A/0.14A
Input Watts	39.9-60.7W

LED Info

Watts	60/50/40W
Color Temp	3500K/4000K/5000K
Color Accuracy	84-85 CRI
L70 Lifespan	50,000 Hours
Lumens	5,854-8,986 lm
Efficacy	140.2-158.5 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
60W/50W/40W (factory default 60W)
Color temperature selectable by 5000K, 4000K and 3500K (factory default 4000K)

Compliance

UL Listed:
Suitable for damp locations

DLC Listed:
This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: S-FP3EWO (Direct Linear Ambient Luminaires)
DLC Product Code: S-W019E6 (Stairwell and Passageway Luminaires)
DLC Product Code: S-XS42JY (Low-Bay Luminaires for Commercial and Industrial Buildings)

LED Characteristics

LEDs:
Long-life, high-efficacy, discrete, 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.

Color Consistency:
4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Performance

Lifespan:
50,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Wattage Equivalency:
60W: (4) F32T8
50W: (3) F32T8
40W: (3) F32T8

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:
7.52% at 120V, 7.96% at 277V

Power Factor:
99.38% at 120V, 94.72% at 277V

Surge Protection:
L-N 1KV, L/N-G 2KV

Battery Backup:
Battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

Battery Backup Light Loss Factor:
60W: 0.171
50W: 0.2
40W: 0.247

Construction

Cold Weather Starting:
The minimum starting temperature is 0°C (32°F)

Maximum Ambient Temperature:
Suitable for use in up to 60°C (140°F)

Lens:
Polycarbonate lens

Housing:
Sheet metal

Mounting:
Surface mounting standard. V-Hooks and Chain mounting available (ordered separately, SR VHOOK KIT).

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Technical Specifications (continued)

Green Technology:
Mercury and UV free. RoHS-compliant components.

Finish:
Formulated for high durability and long-lasting color

Sensor Specifications

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

Operating Voltage:
DC Input: 10.5-15V
Current>50mA

Operating Temperature:
Ta: -31° F (-35° C)* ~ +122° F(+50° C)

Sensor Warranty:
5-year sensor warranty

Sensitivity Setting:
25%/50%/75%/100%

Standby Period:
0s/10s/30s/1min/5min/10min/30min/60min/+∞

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

Hold Time:
5s/30s/1min/3min/5min/10min/20min/30min

Standby Dimming:
10%/20%/30%/50%

Detection Angle:
30° to 150° without glass cover

Detection Distance:
Radius 9.84-22.96ft(3-7m)

Mounting Height:
Max 49ft.(15m)

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.

Accessories:
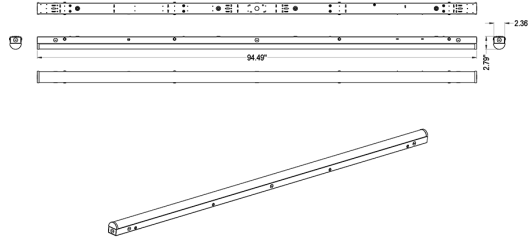Suspended Mounting Kit: SR VHOOK KIT
Surface Mount Kit: SR JOIN KIT

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

2.36"

94.49"

2.79"

Features

50,000-Hour LED lifespan

120-277V standard

0-10V dimming, standard

5-Year, limited warranty

Ordering Matrix

Family	Size/Wattage	Color Temp	Mounting	Finish	Options
SR	8				/MVS/E

Size/Wattage
2 = 2ft (19/14/10W)
4L = 4ft (28/21/14W)
4 = 4ft (40/30/20W)
8 = 8ft (60/50/40W)
8H = 8ft (85/75/54W)

Color Temp
Blank = 3500K/4000K/5000K CCT Adjustable

Mounting
Blank = J-Box Adaptor

Finish
Blank = White

Options
Blank = No Option
/E = Battery Back Up
/MVS = Microwave Occupancy Sensor
/PIR = Passive Infrared Occupancy Sensor
/LCBS = Lightcloud® Blue Enabled w/ PIR Sensor
/LCBS/MVS = Lightcloud® Blue Enabled w/ MVS Sensor
/MVS/E = Microwave Occupancy Sensor w/ Battery Back Up
/PIR/E = Passive Infrared Occupancy Sensor w/ Battery Back Up
/LCBS/E = Lightcloud® Blue PIR Sensor w/ Battery Back Up
/LCBS/MVS/E = Lightcloud® Blue MVS Sensor w/ Battery Back Up