

# SR Field-Adjustable Strip Light



2 Ft



4 Ft



8 Ft



## Field-Adjustable Strip Light



0-10V



50,000 HOURS



FIELD ADJUSTABLE



DAMP RATED



POWERED BY LIGHTCLOUD

PROJECT:

DATE:

TYPE:

PREPARED BY:



### KEY FEATURES

- Available models in 3 sizes and selectable wattages:  
SR2: 2 Ft (19/14/10W)  
SR4L: 4Ft (28/21/14W) SR4: 4 Ft (40/30/20W)  
SR8: 8 Ft (60/50/40W) SR8H: 8 Ft (85/75/54W)
- Field-adjustable CCT: 3500/4000/5000K
- All models are compatible with Lightcloud Blue-enabled microwave or passive infrared occupancy sensor
- Standard J-Box adapter. V-hooks are optional accessory for suspended mounting and Joiner Kit available for daisy chain use.
- UL Listed for damp locations
- 0-10V dimming
- 5-Year, limited warranty

## TECHNICAL SPECIFICATIONS

### 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

#### 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.

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

SKU#	DLC Premium ID: Stairwell & Passageway Luminaires	DLC Standard ID: Direct Linear Ambient Luminaires
SR2	S-DX6VKR	S-BY8SM3
SR4L	S-4FK3ZU	S-IWX709
SR4	S-LSEM36	S-CDUVBW
SR8	S-W019E6	S-FP3EWO
SR8H	S-8SYBMA	S-45B9N7

SKU#	DLC Standard ID: Low-Bay Commercial & Industrial	DLC Standard ID: High-Bay Commercial & Industrial
SR4	S-K82UP3	N/A
SR8	S-XS42JY	N/A
SR8H	N/A	S-G3ANJB

### CONSTRUCTION

#### Cold Weather Starting

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

#### Cold Weather Starting for battery back-up

The minimum starting temperature is 0°C (32°F)

#### Maximum Ambient Temperature

Suitable for use in up to 50°C (122°F)

#### Maximum Ambient Temperature for battery back-up

2 Ft: Suitable for use in up to 50°C (122°F)

4/8 Ft: Suitable for use in up to 60°C (140°F)

#### Mounting

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

#### Housing

Sheet metal

#### Lens

Polycarbonate

#### Finish

Formulated for high durability and long-lasting color

#### Green Technology

Mercury and UV free. RoHS-compliant components.

## TECHNICAL SPECIFICATIONS (CONTINUED)

### LED CHARACTERISTICS

#### LEDs

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

#### Color Consistency

4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

#### 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.

### FACTORY DEFAULT SETTINGS

MODEL#	DEFAULT WATTAGE	DEFAULT COLOR TEMPERATURE
SR2	19W	4000K
SR4L	28W	4000K
SR4	40W	4000K
SR8	60W	4000K
SR8H	85W	4000K

### ELECTRICAL

#### Drivers:

Constant Current, Class 2, Class P, 120-277V, 50/60 Hz,

**SR2 19W:** 120V: 0.09A, 208V: 0.09A, 240V: 0.08A, 277V: 0.07A

**SR2 14W:** 120V: 0.12A, 208V: 0.07A, 240V: 0.06A, 277V: 0.05A

**SR2 10W:** 120V: 0.08A, 208V: 0.05A, 240V: 0.04A, 277V: 0.04A

**SR4L 28W:** 120V: 0.23A, 208V: 0.14A, 240V: 0.12A, 277V: 0.10A

**SR4L 21W:** 120V: 0.18A, 208V: 0.10A, 240V: 0.09A, 277V: 0.08A

**SR4L 14W:** 120V: 0.12A, 208V: 0.07A, 240V: 0.06A, 277V: 0.06A

**SR4 40W:** 120V: 0.33A, 208V: 0.19A, 240V: 0.17A, 277V: 0.14A

**SR4 30W:** 120V: 0.25A, 208V: 0.14A, 240V: 0.13A, 277V: 0.11A

**SR4 20W:** 120V: 0.17A, 208V: 0.10A, 240V: 0.08A, 277V: 0.07A

**SR8 60W:** 120V: 0.50A, 208V: 0.29A, 240V: 0.25A, 277V: 0.22A

**SR8 50W:** 120V: 0.42A, 208V: 0.24A, 240V: 0.21A, 277V: 0.18A

**SR8 40W:** 120V: 0.33A, 208V: 0.19A, 240V: 0.17A, 277V: 0.14A

**SR8H 85W:** 120V: 0.70A, 208V: 0.40A, 240V: 0.35A, 277V: 0.31A

**SR8H 75W:** 120V: 0.61A, 208V: 0.35A, 240V: 0.31A, 277V: 0.27A

**SR8H 54W:** 120V: 0.44A, 208V: 0.25A, 240V: 0.22A, 277V: 0.20A

#### Dimming Driver:

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

#### THD:

**SR2:** 6.33% at 120V, 12.02% at 277V

**SR4L:** 6.99% at 120V, 15.63% at 277V

**SR4:** 6.22% at 120V, 14.88% at 277V

**SR8:** 7.52% at 120V, 7.96% at 277V

**SR8H:** 6.47% at 120V, 11.3% at 277V

#### Power Factor:

**SR2:** 99.8% at 120V, 98.22% at 277V

**SR4L:** 99.4% at 120V, 97.2% at 277V

**SR4:** 99.79% at 120V, 98.26% at 277V

**SR8:** 99.38% at 120V, 94.72% at 277V

**SR8H:** 99.7% at 120V, 96.5% at 277V

#### Surge Protection

L-N 1KV, L/N-G 2KV

### ELECTRICAL (CONTINUED)

#### Battery Backup Light Loss Factor:

##### SR2:

19W: 0.223

14W: 0.276

10W: 0.42

##### SR4L:

28W: 0.37

21W: 0.48

14W: 0.74

##### SR4:

40W: 0.243

30W: 0.32

20W: 0.454

##### SR8:

60W: 0.171

50W: 0.2

40W: 0.247

##### SR8H:

85W: 0.13

75W: 0.14

54W: 0.20

Note: All values are typical (tolerance +/- 10%)

### LIGHTCLOUD BLUE

#### Lightcloud Blue-enabled

Lightcloud Blue (LCB) 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)

### OCCUPANCY SENSOR

**Sensor Type:** Passive Infrared (PIR) or Microwave (MVS)

**Input Voltage:** 12VDC

**Operating Frequency:** 50/60Hz

**Input Current:** 30mA

**Operating Temperature:** -40°F to 140°F (-20°C to 60°C)

**Max Mounting Height:** 40 ft. (PIR); 50 ft. (MVS)

**Detection Range:** PIR: 40 ft. diameter mounted at 40 ft. (/PIR & /LCBS); MVS: 50 ft. diameter mounted at 50 ft. (/MVS & /LCBS/MVS); PIR20[B] [/LCB] and MVS20[B] [/LCB] 20 ft. diameter mounted at 9 ft. (sold separately)

**Daylight Sensing:** The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set.

#### Default Settings:

Motion Sensitivity: High

Brightness when triggered: 100%

Hold time: 1 minute (20 minutes for LCB sensors)

Standby to dim: 20%

Standby time: 1 minute

When vacant: Off

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## TECHNICAL SPECIFICATIONS (CONTINUED)

### OCCUPANCY SENSOR

**Adjustable Settings:** Settings for Lightcloud Blue-enabled sensors can be adjusted using the mobile app. All other sensors will require MSR1 Remote to adjust the following sensor settings:

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

### OTHER

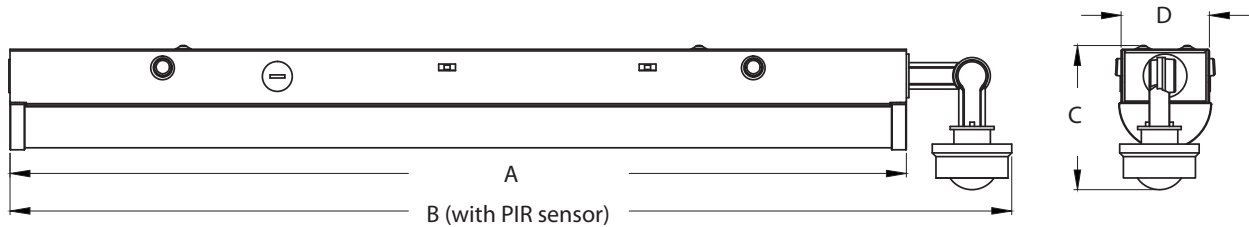
#### Buy American Act Compliance:

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.

#### 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



MODEL#	A	B (with PIR sensor)	C	D	Weight (lbs)
SR2	24"	26 7/8"	3 7/8"	2 3/8"	2.5
SR4L/SR4	47 1/4"	50 1/16"	3 7/8"	2 3/8"	4.5
SR8/SR8H	94 1/2"	97 5/16"	3 7/8"	2 3/8"	8.5







## ACCESSORIES

IMAGE	SKU#	UPC	DESCRIPTION
	SR VHOOK KIT	192552004206	SR VHOOK MOUNT KIT 2-40" CHAIN, ANCHOR, SCREWS
	SR JOIN KIT	192552004190	SR END JOIN KIT WITH BRACKET/NUTS/WIRE/ANCHOR
	RAAS	192552014175	BRACKET FOR CONNECT LCB LOW VOLTAGE CONTROLLER WITH HIGH BAY
	MSR1	192552026055	MULTI-SENSOR REMOTE CONTROL IP20
	MVS50	192552025997	HIGH CEILING LOW VOLTAGE MVS SENSOR WHITE
	MVS50/LCB	192552014168	LC BLUE HIGH CEILING LOW VOLT LUMINAIRE CONTROLLER W/MVS WHITE

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## ACCESSORIES (CONTINUED)

IMAGE	SKU#	UPC	DESCRIPTION
	PIR40	192552026000	HIGH CEILING LOW VOLTAGE PIR SENSOR WHITE
	PIR40/LCB	192552014151	LC BLUE HIGH CEILING LOW VOLT LUMINAIRE CONTROLLER W/PIR WHITE
	MVS20	192552026017	LOW CEILING LOW VOLTAGE MVS SENSOR WHITE
	MVS20/LCB	192552042253	LC BLUE LOW CEILING LOW VOLT LUMINAIRE CONTROLLER WITH MVS WHITE
	PIR20	192552026024	LOW CEILING LOW VOLTAGE PIR SENSOR WHITE
	PIR20/LCB	192552042246	LC BLUE LOW CEILING LOW VOLT LUMINAIRE CONTROLLER WITH PIR WHITE

## PERFORMANCE

SR2	3500K	4000K	5000K	3500K	4000K	5000K	5000K	4000K	3500K
WATTAGE				14W			10W		
INPUT WATTS	20.5W	19.9W	20.6W	14.6W	14.4W	14.6W	10.3W	10W	10.2W
LUMENS	2,887	2,998	2,995	2,115	2,224	2,189	1,552	1,606	1,590
EFFICACY (LM/W)	140.6	150	145.5	144.8	154.5	149.9	150.6	160.6	155.9
CRI	84	84	83	84	84	83	84	85	83
VOLTAGE RATINGS									

SR4L	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	28W			21W			14W		
INPUT WATTS	28.1W	27.3W	27.9W	21.4W	21W	21.2W	14.5W	14.2W	14.4W
LUMENS	3,992	4,135	4,071	3,071	3,188	3,146	2,082	2,127	2,137
EFFICACY (LM/W)	142.1	151.5	145.9	143.5	151.8	148.4	143.6	149.8	148.4
CRI	84	85	84	84	85	84	84	85	84
VOLTAGE RATINGS	120-277V								

# SR Field-Adjustable Strip Light



## PERFORMANCE (CONTINUED)

SR4	3500K	4000K	5000K	3500K	4000K	5000K	5000K	4000K	3500K
WATTAGE	40W			30W			20W		
INPUT WATTS	42.6W	40.8W	42.6W	31.7W	30.5W	31.6W	20.8W	20.1W	20.7W
LUMENS	5,976	6,174	6,155	4,579	4,754	4,702	3,155	3,289	3,234
EFFICACY (LM/W)	140.2	151.3	144.5	144.5	155.9	148.8	151.7	163.7	156.2
CRI	84	84	83	84	84	83	84	84	83
VOLTAGE RATINGS	120-277V								

SR8	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	60W			50W			40W		
INPUT WATTS	60.7W	59.4W	60.6W	50W	49.9W	50W	40.1W	39.9W	40.2W
LUMENS	8,518	8,986	8,690	7,153	7,761	7,383	5,855	6,328	6,053
EFFICACY (LM/W)	140.2	150.9	143.4	143.1	155.4	147.8	145.9	158.5	160.6
CRI	84	85	83	84	85	83	84	85	83
VOLTAGE RATINGS	120-277V								

SR8H	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	85W			75W			54W		
INPUT WATTS	83.1W	80W	82.6W	73.4W	71W	73.1W	52.1W	51.1W	51.8W
LUMENS	12,058	12,591	12,258	10,881	11,306	10,960	7,912	8,145	7,889
EFFICACY (LM/W)	145.1	157.4	148.4	148.2	159.2	149.9	151.9	159.4	152.3
CRI	84	85	84	84	85	84	84	85	84
VOLTAGE RATINGS	120-277V								

## ORDERING MATRIX

### SR Field-Adjustable Strip Light

Family	Size/Wattages	Mounting	Color Temperature	Finish	Voltage	Options
<b>SR</b>						
2	2 Feet (19/14/10W)	BLANK	J-Box Adaptor	BLANK	3500/4000/5000K	BLANK White BLANK
4L	4 Feet (28/21/14W)					120-277V, 0-10V Dimming
4	4 Feet (40/30/20W)					BLANK /E
8	8 Feet (60/50/40W)					/MVS Microwave Occupancy Sensor
8H	8 Feet (85/75/54W)					/PIR Passive Infrared Occupancy Sensor
						/LCBS Lightcloud Blue PIR Sensor
						/LCBS/MVS Lightcloud Blue MVS Sensor
						/MVS/E Microwave Occupancy Sensor
						/Battery Backup
						/PIR/E Passive Infrared Occupancy Sensor
						/Battery Backup
						/LCBS/E Lightcloud Blue PIR Sensor
						/Battery Backup
						/LCBS/MVS/E Lightcloud Blue MVS Sensor
						/Battery Backup