

# STRP Field-Adjustable Strip Light



## STRP2



STRP2

## STRP4



STRP4



STRP4H

PROJECT:

DATE:

TYPE:

PREPARED BY:



## KEY FEATURES

- Available models in 2 sizes with field-adjustable wattages:  
 STRP2: 2ft (10/8/6W) Single tube (Default 10W)  
 STRP2H: 2ft (20/15/10W) Double tube (Default 20W)  
 STRP4: 4ft (20/15/10W) Single tube (Default 20W)  
 STRP4H: 4ft (40/30/20W) Double tube (Default 40W)
- Field-adjustable CCT: 3500/4000/5000K (Default 4000K)
- Mounting bracket plates, J-Box adapter, & S-hooks available as accessories.
- MVS and PIR sensors as well as sensors powered by Lightcloud Blue available. Multi sensor remote (MSR1) available as an accessory
- Battery backup option available on 4ft models
- UL Listed for damp locations
- 0-10V dimming
- 5-Year, limited warranty

## Sustainable, Field-Adjustable Strip Light



## PERFORMANCE

STRP2	3500K	4000K	5000K	3500K	4000K	5000K	5000K	4000K	3500K
WATTAGE		10W			8W			6W	
INPUT WATTS	10.4W	10.2W	10.4W	8.2W	8W	8.2W	6.4W	6.4W	6.4W
LUMENS	1,502	1,558	1,540	1,164	1,193	1,199	881	918	909
EFFICACY	144.4	152.8	148.1	141.9	149.1	146.2	137.6	143.5	142.1
CRI	84	85	83	84	85	84	84	85	84
VOLTAGE RATING						120-277V			

STRP2H	3500K	4000K	5000K	3500K	4000K	5000K	5000K	4000K	3500K
WATTAGE		20W			15W			10W	
INPUT WATTS	19.7W	19.2W	19.7W	14.9W	14.6W	14.9W	10.3W	10.2W	10.3W
LUMENS	2,965	3,071	3,048	2,225	2,292	2,285	1,514	1,557	1,563
EFFICACY	150.5	160	154.7	149.3	157	153.4	147	152.7	151.8
CRI	84	85	83	84	85	84	84	85	84
VOLTAGE RATING						120-277V			

# STRP Field-Adjustable Strip Light



## PERFORMANCE

STRP4	3500K	4000K	5000K	3500K	4000K	5000K	5000K	4000K	3500K
WATTAGE	20W			15W			10W		
INPUT WATTS	19.8W	19.3W	19.8W	15.1W	14.8W	15.1W	10.5W	10.4W	10.5W
LUMENS	2,996	3,109	3,071	2,264	2,342	2,325	1,558	1,607	1,604
EFFICACY	151.3	161.1	155.1	149.9	158.2	154	148.4	154.5	152.8
CRI	84	85	83	84	85	84	84	85	84
VOLTAGE RATING	120-277V								

STRP4H	3500K	4000K	5000K	3500K	4000K	5000K	5000K	4000K	3500K
WATTAGE	40W			30W			20W		
INPUT WATTS	38.1W	37.2W	38.1W	28.6W	28W	28.6W	19W	18.7W	19W
LUMENS	5,592	5,815	5,730	4,337	4,495	4,462	2,924	3,007	3,017
EFFICACY	146.8	156.3	150.4	151.6	160.5	156	153.9	160.8	158.8
CRI	84	85	84	84	85	84	84	85	84
VOLTAGE RATING	120-277V								

## TECHNICAL SPECIFICATIONS

### COMPLIANCE

#### UL Listed

Suitable for damp locations

#### CCEA Compliance

Complies with the City of Chicago Environmental Air ratings.

#### 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.

MODEL#	DLC ID	PRIMARY USE
STRP2	S-LHRY68	
STRP2H	S-8T67S9	
STRP4	S-B78ZKF	Direct Linear Ambient Luminaires
STRP4H	S-XOGP4X	

### CONSTRUCTION

#### Cold Weather Starting

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

#### Cold Weather Starting for battery back-up (4ft Models)

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

#### Maximum Ambient Temperature

Suitable for use in 40°C (104°F)

#### Maximum Ambient Temperature for battery back-up (4ft models)

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

#### Mounting

Mounting bracket plates, J-box & S-hooks available as accessories

#### Housing

Sheet metal

#### Lens

Polycarbonate

#### Reflector

Metal

#### Finish

Power-coated matte white. Formulated for high durability and long-lasting color

#### Green Technology

Mercury and UV free. RoHs-compliant components.

### LED CHARACTERISTICS

#### LEDs

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

### FACTORY SETTINGS

#### Wattage:

STRP2: 2ft (10/8/6W) Single tube (Default 10W)

STRP2H: 2ft (20/15/10W) Double tube (Default 20W)

STRP4: 4ft (20/15/10W) Single tube (Default 20W)

STRP4H: 4ft (40/30/20W) Double tube (Default 40W)

Adjustable CCT: 3500/4000/5000K (Default 4000K)

## TECHNICAL SPECIFICATIONS

### ELECTRICAL

#### Drivers:

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

#### STRP2:

10W: 120V: 0.08A, 208V: 0.05A, 240V: 0.04A, 277V: 0.04A  
8W: 120V: 0.67A, 208V: 0.04A, 240V: 0.33A, 277V: 0.03A  
6W: 120V: 0.05A, 208V: 0.03A, 240V: 0.03A, 277V: 0.02A

#### STRP2H / STRP4:

20W: 120V: 0.17A, 208V: 0.10A, 240V: 0.08A, 277V: 0.07A  
15W: 120V: 0.13A, 208V: 0.07A, 240V: 0.06A, 277V: 0.05A  
10W: 120V: 0.08A, 208V: 0.05A, 240V: 0.04A, 277V: 0.04A

#### STRP4H:

40W: 120V: 0.33A, 208V: 0.19A, 240V: 0.17A, 277V: 0.14A  
30W: 120V: 0.25A, 208V: 0.14A, 240V: 0.13A, 277V: 0.11A  
20W: 120V: 0.17A, 208V: 0.10A, 240V: 0.08A, 277V: 0.07A

#### Dimming Driver:

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

#### AUX Power Supply:

Yes

#### THD:

STRP2: 6.4% at 120V, 10.4% at 277V

STRP2H: 8.1% at 120V, 8.6% at 277V

STRP4: 7.7% at 120V, 8.7% at 277V

STRP4H: 9.8% at 120V, 6.7% at 277V

#### Power Factor:

STRP2: 99.4% at 120V, 92.4% at 277V

STRP2H: 99.4% at 120V, 94.9% at 277V

STRP4: 99.4% at 120V, 95.1% at 277V

STRP4H: 99.3% at 120V, 95.3% at 277V

#### Surge Protection

DM: 1KV, CM: 2KV

#### Battery Backup Light Loss Factor:

#### STRP4:

20W: 20%

15W: 26.7%

10W: 40%

#### STRP4H:

40W: 10%

30W: 13.3%

20W: 20%

### OCCUPANCY SENSORS

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

**Sensor Mounting:** Externally mounted to fixture using Right Angle Arm Support (RAAS).

**Integrated Sensor Model Number(s):** /LCBS uses PIR40/LCB + RAAS.

**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.; MVS: 50 ft diameter mounted at 50

**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: 20 minutes

Standby to dim: 20%

Standby time: 1 minute

When vacant: Off

Daylight: Disabled

**Adjustable Settings:** Settings for Lightcloud Blue-enabled sensors can be adjusted using the mobile app. All other sensors will have remote included 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

#### 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).

#### Lifespan

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

## WIRELESS NETWORK LIGHTING CONTROLS

Lightcloud products offer integrated network lighting control for a truly wireless solution that allows you to manage RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and commercial applications. Each device can communicate with other devices in the mesh network. With two Lightcloud systems to choose from, it's easy to implement controls anywhere.

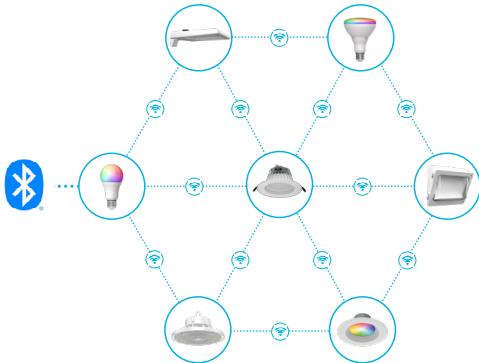


Learn more about Lightcloud wireless networked lighting controls.

### Design Lights Consortium Network Lighting Controls:

- Interior Applications: N1XMLOEATB
- Exterior Applications: NHCZ2BIA17L

## Lightcloud®



- Utilizes Bluetooth Mesh, eliminating the need for a Gateway or Hub
- Ideal for applications that need basic wireless control such as ON/OFF, dimming, color tuning, Schedules, and SmartShift
- Download the Lightcloud Blue mobile app for iOS or Android devices
- Add the XDIM/BRIDGE/LCB and LCGATEWAY to adopt premium Lightcloud Enterprise features

### SIMPLE SETUP



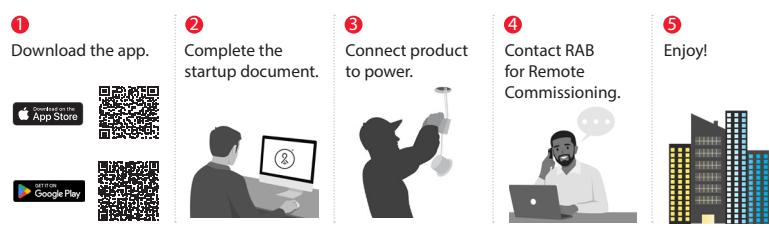
Learn more about [Lightcloud Blue](#). Visit the [Lightcloud Blue Resources](#) page for more information on how to use the system.

## Lightcloud®



- Utilizes a secure cellular and Zigbee mesh network that requires a Gateway or Hub (sold separately)
- Offers premium features like remote commissioning, demand response, BACnet integration, and more
- Download the Lightcloud Enterprise mobile app for iOS or Android devices

### SIMPLE SETUP



Learn more about [Lightcloud Enterprise](#). Visit the [Lightcloud Enterprise Resources](#) page for more information on how to use the system.

# STRP Field-Adjustable Strip Light

**RAB**<sup>®</sup>

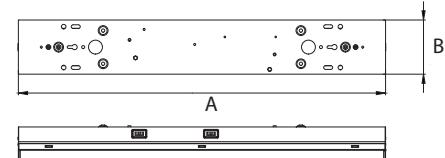
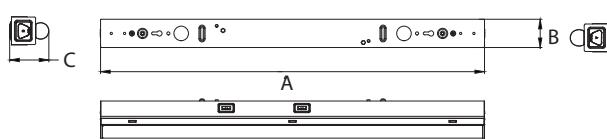
## DIMENSIONS

STRP2

Weight: 1.85 lbs

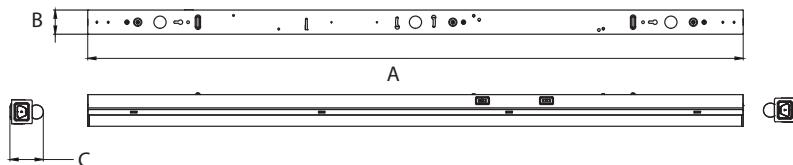
STRP2H

Weight: 2.64 lbs



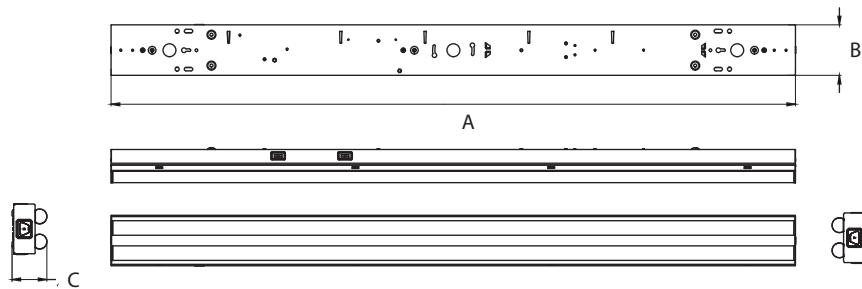
STRP4

Weight: 3.96 lbs



STRP4H

Weight: 5.48 lbs



MODEL#	A	B	C	Weight
STRP2	24"	1 3/4"	2 1/2"	1.85 lbs
STRP2H	24"	3 1/2"	2 1/2"	2.64 lbs
STRP4	48"	2"	2 1/2"	3.96 lbs
STRP4H	48"	3 1/2"	2 1/2"	5.48 lbs

# STRP Field-Adjustable Strip Light



## ACCESSORIES

IMAGE	SKU#	UPC	DESCRIPTION
	MSR1	192552026055	SULTI-SENSOR REMOTE CONTROL IP20
	STRP SHOOK	019813315782	SUSPENSION HOOK 9.5" 2-PIECES FOR STRP STRIP LIGHT
	JBSTRP	019813315799	J-BOX PLATE FOR STRP STRIP LIGHT
	STRP BPLATE	019813315775	BRACKET PLATE120-277VAC STRP STRIP LIGHT

## ORDERING MATRIX

### STRP Field-Adjustable Strip Light

Family	Size/Wattage	Color Temperature	Finish	Driver	Controls	Battery Backup
<b>STRP</b>						
2	2ft (10/8/6W)	BLANK	3500/4000/5000K	BLANK	White	BLANK
2H	2ft (20/15/10W)	CCT Adjustable			120-277V, 0-10V Dimming	/MVS
4	4ft (20/15/10W)					/PIR
4H	4ft ( 40/30/20W)					/LCBS
						/LCBS/MVS
					No Option	BLANK
					Microwave Sensor	/E
					Passive Infrared Sensor	
					Lightcloud Blue w/PIR Sensor	
					Lightcloud Blue w/MVS Sensor	
						None
						Battery Backup*

\* Battery Backup only on 4ft models