C-STRIP Sustainable, Field-Adjustable Strip Light

4 Ft

8 Ft

PROJECT:

DATE:

TYPE:

PREPARED BY:

5 YEAR LIMITED WARRANTY

DLC LISTED

DLC LISTED PREMIUM

UL CERTIFIED

KEY FEATURES

- Available in 2 sizes with field-adjustable wattage:
  CS4: 4 ft (36/27/18W)
  CS8: 8 ft (88/64/42W)
- Field-adjustable **CCT: 3500/4000/5000K**
- Available with **smart controls**
- Standard **J-Box adapter**. **V-hooks** are included accessories for suspended mounting
- UL Listed for **damp** locations
- **0-10V** dimming
- 5-Year, limited warranty

Sustainable, Field-Adjustable Strip Light

0-10V | BIORENEWABLE MATERIALS | 100,000 HOURS | FIELD ADJUSTABLE | DAMP RATED

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 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.

MODEL#	DLC ID	PRIMARY USE
CS4	S-J4GC14	Low-Bay Luminaires for commercial & Industrial Buildings
CS8	S-S98R2B	High-Bay Luminaires for commercial & Industrial Buildings

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
CS4	S-LM3YLG	Direct Linear Ambient Luminaires
CS8	S-P7PZWS	Direct Linear Ambient Luminaires

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 50°C (122°F)

Maximum Ambient Temperature for battery back-up
Suitable for use in up to 50°C (122°F)

Mounting
Surface and suspended mount standard. End-to-end connections require conduit wiring.

Housing
Sustainable, biocomposite resin manufactured with coffee chaff, waste seashells, and recycled plastic

Lens
Acrylic

Finish
Formulated for high durability and long-lasting color

Green Technology
Mercury and UV free. RoHs-compliant components.

TECHNICAL SPECIFICATIONS

LED CHARACTERISTICS

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

ELECTRICAL

Drivers:

Constant Current, Class 2, 120-277V, 50/60 Hz,
CS4 (100% Power / 36W): 120V: 0.31A, 208V: 0.18A, 240V: 0.15A, 277V: 0.13A
CS4 (75% Power / 27W): 120V: 0.22A, 208V: 0.13A, 240V: 0.12A, 277V: 0.10A
CS4 (50% Power / 18W): 120V: 0.15A, 208V: 0.09A, 240V: 0.08A, 277V: 0.07A

CS8 (100% Power / 88W): 120V: 0.75A, 208V: 0.43A, 240V: 0.37A, 277V: 0.32A
CS8 (75% Power / 64W): 120V: 0.54A, 208V: 0.31A, 240V: 0.27A, 277V: 0.24A
CS8 (50% Power / 42W): 120V: 0.37A, 208V: 0.21A, 240V: 0.18A, 277V: 0.17A

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

THD:
CS4 (100% Power / 36W): 4.61% at 120V, 10.91% at 277V
CS8 (100% Power / 88W): 5.93% at 120V, 11.83% at 277V

Power Factor:
CS4 (100% Power / 36W): 99.8% at 120V, 97.9% at 277V
CS8 (100% Power / 88W): 99.6% at 120V, 96.9% at 277V

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

Battery Backup Light Loss Factor:

CS4:

100% Power / 36W: 0.29
75% Power / 27W: 0.39
50% Power / 18W: 0.58

CS8:

100% Power / 88W: 0.27
75% Power / 64W: 0.36
50% Power / 42W: 0.54

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

FACTORY DEFAULT SETTINGS

MODEL#	POWER OUTPUT	DEFAULT COLOR TEMPERATURE
CS4	100% (36W)	4000K
CS8	100% (88W)	4000K

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 http://www.lightcloud.com

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

A**djustable Settings**: Settings for Lightcloud Blue-enabled sensors can be adjusted using the mobile app.

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.

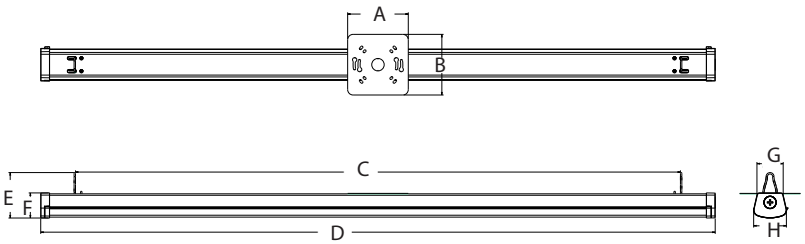
Warranty

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.

DIMENSIONS

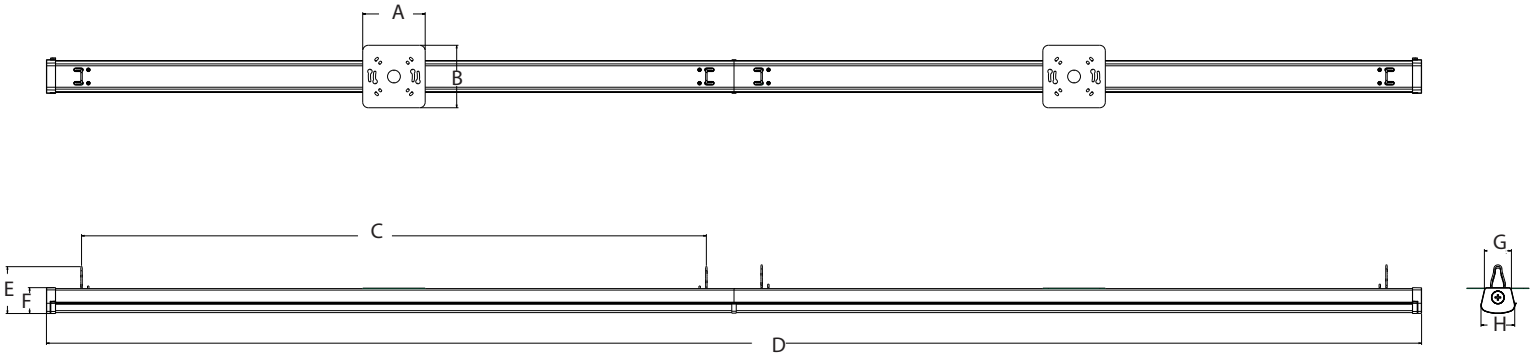
CS4

Weight: 3.7 lbs



CS8

Weight: 7.8 lbs



MODEL#	A	B	c	D	E	F	G	H
CS4	4 7/16"	4 7/16"	3' 8"	4' 1/16"	3 5/16"	1 13/16"	1 15/16"	2 3/8"
CS8	4 7/16"	4 7/16"	3' 8 1/8"	8' 1/16"	3 5/16"	1 13/16"	1 15/16"	2 3/8"

C-STRIP Sustainable, Field-Adjustable Strip Light

PERFORMANCE

CS4	3500K	4000K	5000K	3500K	4000K	5000K	5000K	4000K	3500K
POWER	100%			75%			50%		
WATTAGE	36W			27W			18W		
INPUT WATTS	36.5W	35.5W	36.4W	26.5W	25.9W	26.5W	18W	17.7W	18W
LUMENS	5,316	5,497	5,425	3,979	4,071	4,048	2,748	2,781	2,787
EFFICACY (LM/W)	145.6	154.8	149.0	150.2	157.2	152.8	152.7	157.1	154.8
CRI	84	85	84	84	85	84	85	84	85
VOLTAGE RATINGS	120-277V								

CS8	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
POWER	100%			75%			50%		
WATTAGE	88W			64W			42W		
INPUT WATTS	89.3W	87.1W	89.6W	64.8W	63.5W	65W	43.9W	43.3W	44.1W
LUMENS	12,984	13,480	13,105	9,813	10,062	10,021	6,769	6,879	6,904
EFFICACY (LM/W)	145.4	154.8	146.3	151.4	158.5	154.2	154.2	158.9	156.6
CRI	84	85	85	84	85	85	84	85	85
VOLTAGE RATINGS	120-277V								

ORDERING MATRIX

C-STRIP Field-Adjustable Strip Light

Family	Size/Lumens	Color Temperature	Finish	Voltage	Options
CS					

Size/Lumens		Color Temperature		Finish		Voltage		Options	
4	4 Ft (36/27/18W)	BLANK	3500/4000/5000K Selectable	BLANK	Seashell	BLANK	120-277V, 0-10V Dimming	BLANK	No Option
8	8 Ft (88/64/42W)							/E	Battery Backup
								/MVS	Microwave Occupancy Sensor
								/LCB	Lightcloud Blue Enabled
								/LCBS	Lightcloud Blue Enabled w/ PIR Sensor