

C-STRIP Sustainable, Field-Adjustable Strip Light



4 Ft



8 Ft



PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



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



PERFORMANCE

Length	Wattage	Lumens	Efficacy (Lm/W)	Color Temperature
4'	36W	5,316-5,497 lm	146-155 lm/w	3500/4000/5000K
	27W	3,979-4,071 lm	157-150 lm/w	
	18W	2,748-2,787 lm	157-153 lm/w	
8'	88W	12,984-13105 lm	155-145 lm/w	3500/4000/5000K
	64W	9,813-10,062	151-159 lm/w	
	42W	6,769-6,904	154-159 lm/w	

CS4	3500K	4000K	5000K	3500K	4000K	5000K	5000K	4000K	3500K
POWER	100%			75%			50%		
WATTAGE	36W			27W			18W		
INPUT WATTS	37.7W	36.6W	37.6W	28.1W	27.3W	28.0W	19.2W	18.6W	19.1W
LUMENS	5,835	5,996	5,872	4,452	4,575	4,480	3,098	3,183	3,118
EFFICACY (LM/W)	154.8	163.8	156.2	158.4	167.6	160.0	161.4	171.1	163.2
CRI	81	83	83	81	83	83	81	83	83
VOLTAGE RATINGS	120-277V								

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PERFORMANCE

CS8	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
POWER	100%			75%			50%		
WATTAGE	88W			64W			42W		
INPUT WATTS	89.3W	87.0W	89.8W	65.1W	63.4W	65.5W	44.1W	43.0W	44.3W
LUMENS	13,436	13,944	13,646	10,208	10,594	10,368	7,246	7,520	7,359
EFFICACY (LM/W)	150.5	160.3	152.0	156.8	167.1	158.3	164.3	174.9	166.1
CRI	81	83	83	81	83	83	81	83	83
VOLTAGE RATINGS	120-277V								

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 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.

LBC Red List Approved
C-STRIP is Declare-registered with an LBC Red List Approved status, supporting LEED, WELL, and Living Building Challenge material disclosure requirements. Full disclosure at declare.living-future.org.

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.

ELECTRICAL

Drivers:
Constant Current, Class 2, 120-277V, 50/60 Hz,
CS4 (100% Power / 36W): 120V: 0.30A, 208V: 0.18A, 240V: 0.16A, 277V: 0.14A
CS4 (75% Power / 27W): 120V: 0.22A, 208V: 0.14A, 240V: 0.12A, 277V: 0.10A
CS4 (50% Power / 18W): 120V: 0.15A, 208V: 0.1A, 240V: 0.08A, 277V: 0.07A
CS8 (100% Power / 88W): 120V: 0.73A, 208V: 0.42A, 240V: 0.37A, 277V: 0.31A
CS8 (75% Power / 64W): 120V: 0.53A, 208V: 0.31A, 240V: 0.27A, 277V: 0.24A
CS8 (50% Power / 42W): 120V: 0.36A, 208V: 0.22A, 240V: 0.19A, 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): 5.7% at 120V, 12.0% at 277V
CS8 (100% Power / 88W): 5.2% at 120V, 19.5% at 277V

Power Factor:
CS4 (100% Power / 36W): 99.6% at 120V, 97.0% at 277V
CS8 (100% Power / 88W): 99.3% at 120V, 97.6% at 277V

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

Battery Backup
Powers the fixture for a minimum of 90 minutes in the event of a power failure.
Note: Battery backup available only on the base models & models with /LCBS option.

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

FACTORY DEFAULT SETTINGS

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

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TECHNICAL SPECIFICATIONS

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.

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.

OCCUPANCY SENSORS

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.

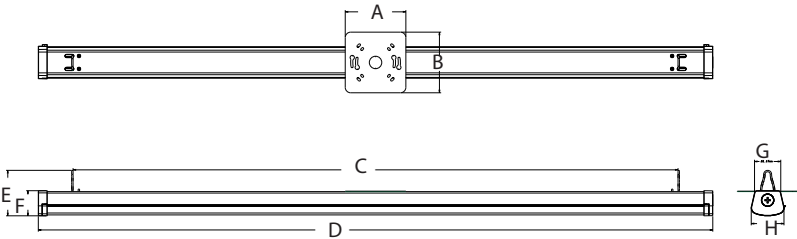
OTHER

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.

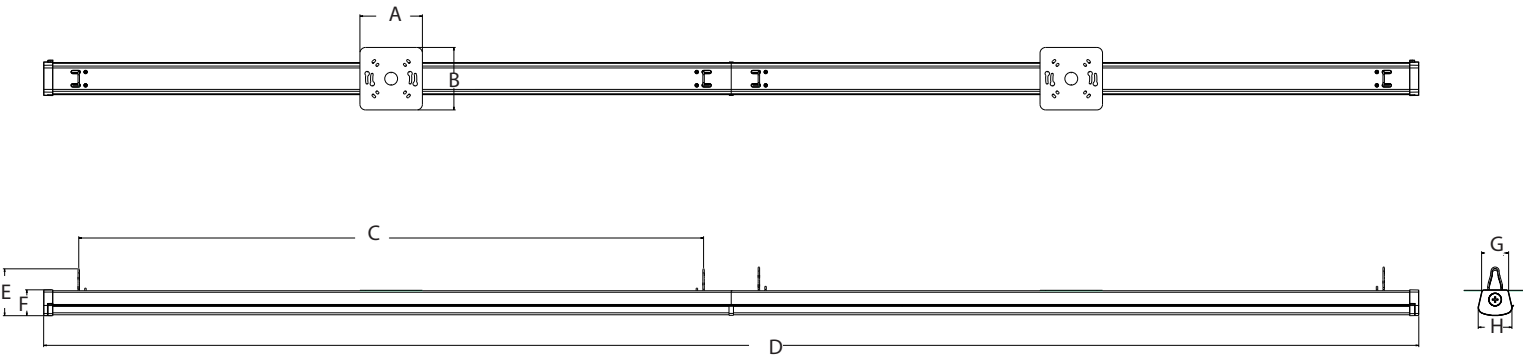
Lifespan
100,000-hours LED Lifespan based on IES LM-80 results and TM-21 calculations

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"

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ORDERING MATRIX

C-STRIP Field-Adjustable Strip Light

Family	Size/Lumens	Color Temperature		Finish		Driver		Controls	Battery Backup	
CS	4	BLANK		BLANK		BLANK		BLANK /MVS /LCB /LCBS	BLANK /E	
	8	CCT Adjustable		Seashell		120-277V, 0-10V Dimming		No Option Microwave Sensor Lightcloud Blue Lightcloud Blue PIR Sensor	No Option Battery Backup ¹	

¹ Battery backup available only on the base models & models with /LCBS option

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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.

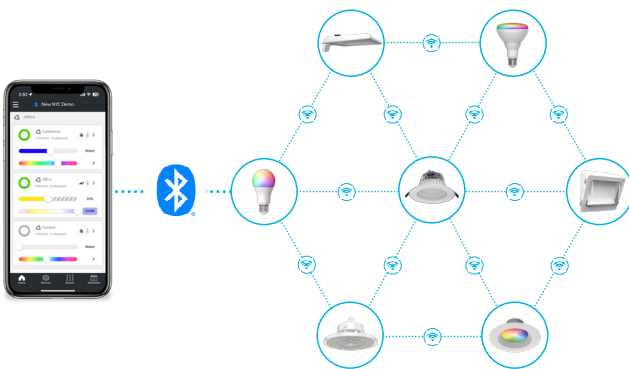


Learn more about Lightcloud wireless networked lighting controls.

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.