

C-WRAP Field-Adjustable Wrap



CW2



PROJECT:

DATE:

TYPE:

PREPARED BY:

CW4



KEY FEATURES

- Field-adjustable wattages:
2 Ft: 22/17/11W (3,000/2,250/1,500lm)
4 Ft: 44/33/22W (6,000/4,500/3,000lm)
- Field-adjustable CCT: 3500/4000/5000K
- Microwave **occupancy sensor** battery backup options available.
- UL Listed for **damp** locations
- 0-10V dimming
- 5-Year, no compromise warranty

Field-Adjustable, LED Wrap



0-10V



100,000
HOURS



EASY INSTALL



FIELD
ADJUSTABLE



DAMP
RATED

PERFORMANCE

CW2	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	22W			17W			11W		
INPUT WATTS	23.6W	23.1W	24.1W	17.7W	17.3W	18.1W	11.8W	11.6W	12.1W
LUMENS	3,100	3,115	3,052	2,337	2,348	2,301	1,558	1,565	1,534
EFFICACY (LM/W)	131.4	134.8	126.6	132.0	135.7	127.1	132.0	134.9	126.8
CRI	83	83	82	83	83	82	83	83	82
VOLTAGE RATINGS	120-277V								

CW4	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	44W			33W			22W		
INPUT WATTS	44.8W	44.3W	46.4W	32.8W	32.4W	34.0W	22.1W	21.9W	22.9W
LUMENS	6,340	6,432	6,496	4,815	4,885	4,933	3,296	3,344	3,377
EFFICACY (LM/W)	141.5	145.2	140.0	146.8	150.8	145.1	149.1	152.7	147.5
CRI	83	84	83	84	84	83	84	84	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-WRAP 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.

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.

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 40°C (104°F)

Maximum Ambient Temperature for battery back-up

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

Mounting

Surface mount and VHOOKs standard. Fixtures designed for end to end connection. Through wiring kit not included.

Housing

Sustainable/Bioplastic

Lens

Polymethyl methacrylate

Finish

Formulated for high durability and long-lasting color

Green Technology

Mercury and UV free. RoHs-compliant components.

FIELD ADJUSTABLE

Field Adjustable Light Output:

CW2: 22W/17W/11W (factory default 22W)

CW4: 44W/33W/22W (factory default 45W)

Color temperature selectable by 3500K, 4000K and 5000K (factory default 4000K)

ELECTRICAL

Drivers:

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

CW2 22W: 120V: 0.20A, 208V: 0.11A, 240V: 0.10A, 277V: 0.09A

CW2 17W: 120V: 0.15A, 208V: 0.10A, 240V: 0.08A, 277V: 0.07A

CW2 11W: 120V: 0.10A, 208V: 0.07A, 240V: 0.06A, 277V: 0.05A

CW4 44W: 120V: 0.38A, 208V: 0.24A, 240V: 0.21A, 277V: 0.16A

CW4 33W: 120V: 0.28A, 208V: 0.19A, 240V: 0.16A, 277V: 0.11A

CW4 22W: 120V: 0.18A, 208V: 0.14A, 240V: 0.11A, 277V: 0.09A

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems.

Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:

CW2: 1.29% at 120V, 9.10% at 277V

CW4: 5.82% at 120V, 9.99% at 277V

Power Factor:

CW2: 99.8% at 120V, 96.6% at 277V

CW4: 99.7% at 120V, 96.2% at 277V

Surge Protection

DM: 1 kV

CM: 2 kV

Battery Backup:

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

Battery Backup Light Loss Factor:

CW2:

22W: 0.39

17W: 0.52

11W: 0.78

CW4:

44W: 0.36

33W: 0.48

22W: 0.72

C-WRAP Field-Adjustable Wrap



TECHNICAL SPECIFICATIONS

MICROWAVE OCCUPANCY SENSOR (OPTIONAL)

- 12VDC Input, IC Solution
- On/off control
- Operating Voltage: 10-15V
- Detection Area: 25%/50%/75%/100%
- Microwave Frequency: 5.8GHz $\pm$ 75MHz
- Hold Time: 5 sec/30 sec/1 min/10 min/20 min/30 min
- Microwave Power: <0.3mW
- Switching Capacity: <40mA
- Daylight Threshold: 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable
- Mounting Height: 2.5 - 4.5 m/8.2 - 14.76 ft
- Operating Current: < 30mA
- Stand-by Period: 0 sec/10 sec/30 sec/1 min/5 min/10 min/+ ∞
- Detection Range: 3 - 7 m/ 9.84 - 22.96 Ft
- Control Method: 0-10V
- Stand-by Dimming Level: 10%/20%/30%/50%
- Detection Angle: 360° (Ceiling Mounted)
- Operating Temperature: -35°C to 70°C

Factory Default Setting:

- Detection area 100%
- Hold time 5sec
- Daylight threshold Disable
- Stand-by period 0 sec
- Stand-by dimming level 10%.

OTHER

Warranty

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

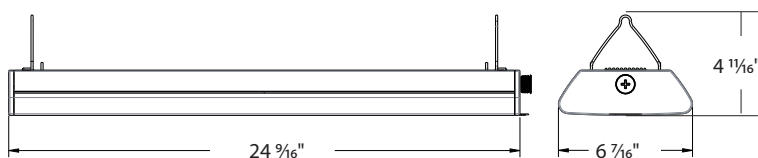
Lifespan

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

DIMENSIONS

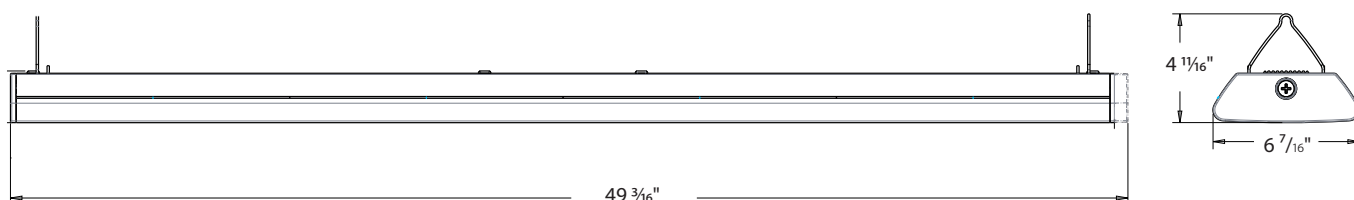
CW2

Weight: 5.3 Lbs



CW4

Weight: 8.9 Lbs



C-WRAP Field-Adjustable Wrap



ORDERING MATRIX

C-WRAP Field-Adjustable, LED Wrap

Family	Size/Wattages/Lumens	Color Temperature	Finish	Voltage	Options	
CW						
2	2 Feet (22/17/11W) ¹ (3000/2250/1500LM)	BLANK 3500/4000/5000K ³	BLANK Sustainable Materials & Finish	BLANK 120-277V, 0-10V Dimming	BLANK /E /MVS /MVS/E	No Option Battery Backup Microwave Occupancy Sensor Microwave Occupancy Sensor w//Battery Backup
4	4 Feet (45/33/22W) ² (3000/2250/1500LM)					

1 Factory default 22W
2 Factory default 45W
3 Factory default: 4000K