

i2Cove

Symmetrical LED Light Fixture

i2Systems[®]
ADVANCED LED LIGHTING



1.2" High x 2.1" Wide
Available in 1' and 4' Lengths

Ideal for Cove Applications

This small profile symmetrical luminaire provides shadow-free lighting for direct and indirect interior cove installations.



FEATURES

- Quick & Easy Installation** Plug-and-play design allows for any combination of 1 and 4 foot modules to be installed for up to 100' from a single power feed.
- Flexible Mounting Options** Luminaires can be installed in a variety of configurations: linearly, around corners, or in curved installations.
- Reliability** Individually serialized units provide photometric traceability.
- Tight Color Consistency** High quality LEDs and strict binning controls insure color consistency and long-lasting performance.
- Simple Power Connection** Easily connects to the building's power source (100 - 277 VAC, 50 / 60 Hz) via a 2' entry cable.

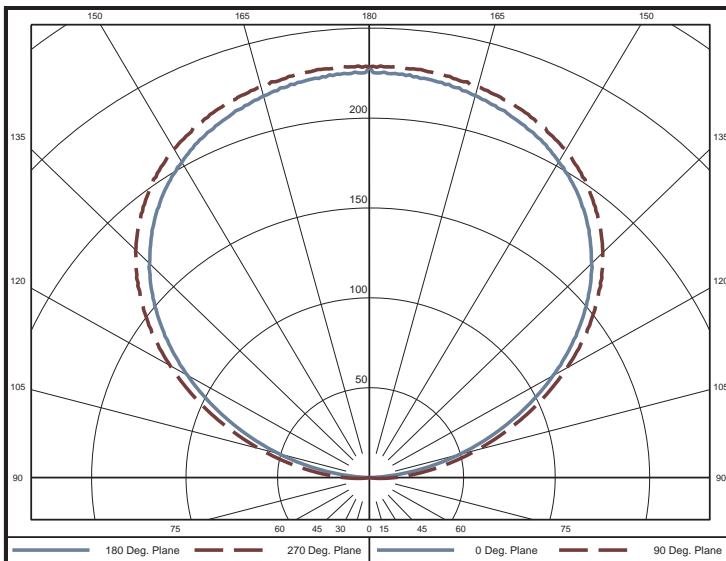
PERFORMANCE

- LED Color** 2700 K, 3000 K, 3500 K (*Other CCT available. Consult factory.*)
- LED CRI** Minimum 80; Typical 82 (*90+ available. Consult factory.*)
- LED Color Consistency** 2-Step MacAdam Ellipse
- Efficacy** 105.4 lm / Watt

ELECTRICAL SPECIFICATIONS

- Input Power** 8 Watts / Ft Typical (*Fully factory programmable, 5 - 12 W per foot.*)
- Input Voltage** 120 - 277 VAC, 50 / 60 Hz
- Max. Fixture Run Length** 8 Watts: 60 Ft @ 120 VAC
100 Ft @ 208 VAC, 240 VAC, 277 VAC
- Temperature** Startup/Operating: -20°C to +40°C
Storage: -30°C to +60°C
Relative Humidity: 10 - 90% (*non-condensing*)
- Dimming** 10% to 100% Via 0 - 10 VDC

POLAR PLOT 120° Beam Angle 105.4 lm / W



3000K LUMEN DATA

System Watts/Ft	Delivered Lumens/Ft	
	82 CRI	92 CRI
5	527	422
6	632	506
7	738	590
8	843	675
9	949	759
10	1054	843
11	1159	928
12	1265	1012

Output Factors	
CCT	Multiplier
2000K	0.75
2700K	0.96
3000K	1
3500K	1.03
4000K	1.05

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FIXTURE TYPE: _____

JOB NAME: _____

NOTES: _____

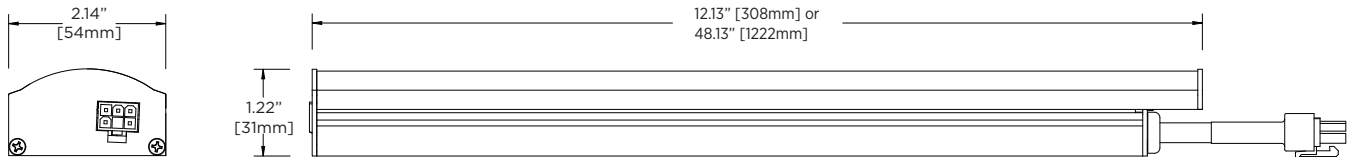
PART NUMBER BUILDER

CS				
FIXTURE PREFIX	LENGTH	LED COLOR	POWER	PACKAGING
i2Cove	1 1ft	27K 2700 K	08W 8 Watts	blank Single (qty 1)
Symmetrical	4 4ft	30K 3000 K	(other power options available)	B Bulk (qty 5)
		35K 3500 K		

EXAMPLES

CS1-27K-08W-B
CS4-35K-08W

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OPTIONS

BRACKET

CSB-1 Snap-In

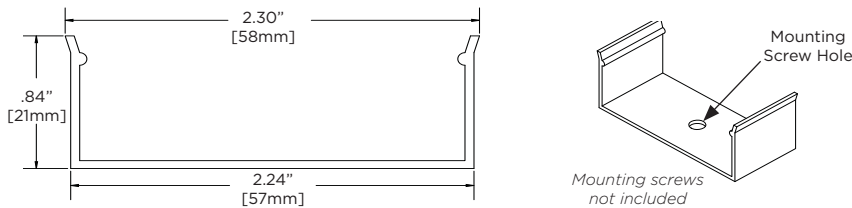
POWER CABLE

CSC-1-024 Power Entry, 24"

JUMPERS (BETWEEN FIXTURES)

CSC-2-003 3" Jumper
 CSC-2-006 6" Jumper

Snap-In Mounting Bracket CSB-1 (for surface mounting fixtures)

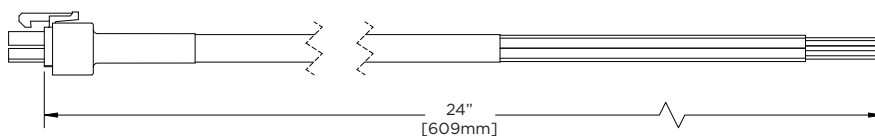


Brackets can be placed anywhere along the LED fixture.

Two brackets per fixture are recommended.

Luminaire simply snaps into brackets.

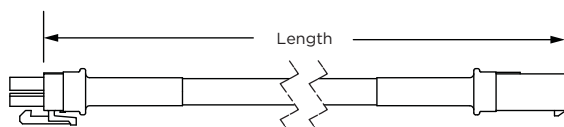
Power Entry Cable CSC-1-024



Wire colors:

BLACK - Line
WHITE - Neutral
GREEN - Ground
GRAY - Dimming (-)
VIOLET - Dimming (+)

Jumper Cables



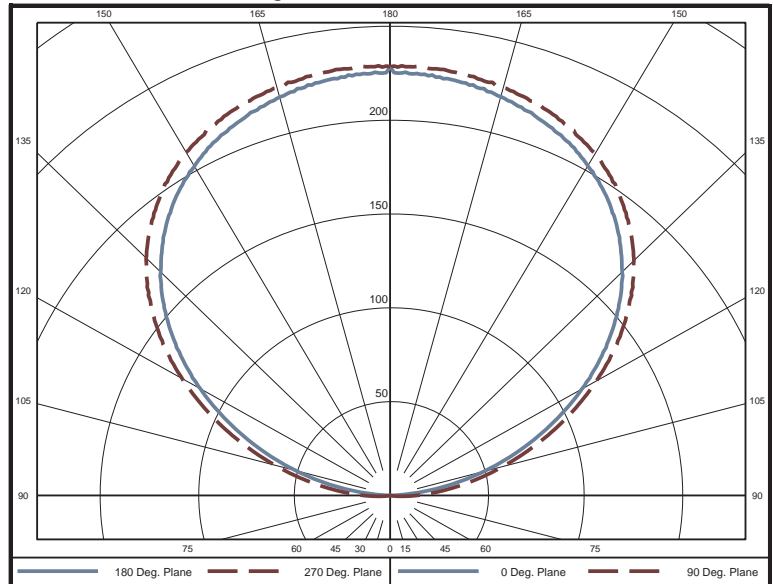
Part No.	Length
CSC-2-003	3" [76mm]
CSC-2-006	6" [152mm]

PHOTOMETRICS

CS1-30K-08W 3000K, 1ft, 8W

Integrating Sphere	
Luminous Flux	780 Lumens
Efficacy	105.4 lm / W
CCT	2980 K
CRI (Ra)	83.2
Electrical Data at 120 VAC	
Test Temperature	24.9 °C
Voltage	120.0 VAC
Current	0.06312 A
Power	7.400 W
Power Factor	0.977
Frequency	60 Hz
Current THD	19.6%

i2Cove Symmetrical Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0	0.0%	60-65	0	0.0%	120-125	60.19	8.0%
5-10	0	0.0%	65-70	0	0.0%	125-130	65.03	8.7%
10-15	0	0.0%	70-75	0	0.0%	130-135	67.40	9.0%
15-20	0	0.0%	75-80	0.03	0.0%	135-140	67.21	9.0%
20-25	0	0.0%	80-85	0.47	0.1%	140-145	64.75	8.6%
25-30	0	0.0%	85-90	2.04	0.3%	145-150	60.11	8.0%
30-35	0	0.0%	90-95	6.54	0.9%	150-155	53.64	7.1%
35-40	0	0.0%	95-100	14.81	2.0%	155-160	45.69	6.1%
40-45	0	0.0%	100-105	24.69	3.3%	160-165	36.63	4.9%
45-50	0	0.0%	105-110	34.83	4.6%	165-170	26.73	3.6%
50-55	0	0.0%	110-115	44.64	5.9%	170-175	16.27	2.2%
55-60	0	0.0%	115-120	53.27	7.1%	175-180	5.46	0.7%

CERTIFICATIONS

UL (US & Canada)
FCC
RoHS
Made in the USA

