

i2Cove

Ideal for Cove applications. Provides shadow-free lighting for indirect interior cove installations. Slim design profile is perfect for applications where space is at a premium.

Asymmetrical LED Fixture



1.6" High x 3.2" Wide
Available in 1', 3' and 4' Lengths

▶ 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. rung 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

▶ MECHANICAL/INSTALLATION

- Factory installed armored cables allow easy installation into existing electrical systems. 1', 3' and 4' modules are available.
- Luminaires can be installed in a variety of configurations: linearly, around corners, or in curved installations.
- Individually serialized units provide photometric traceability.
- High quality LEDs and strict binning controls insure color consistency and long-lasting performance.
- Easily connects to the building's power source (100 - 277 VAC, 50 / 60 Hz) via an 18" entry cable.

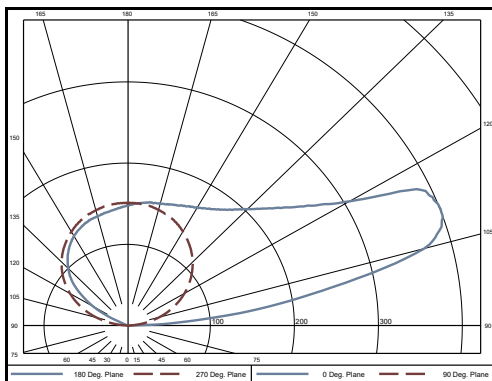
▶ OPTICAL SYSTEM

- **LED Color:** 2700K, 3000K, 3500K (Other CCT available. Consult factory.)
- **LED CRI:** Minimum 80; Typical 82 (90+ available)
- **LED Color Consistency:** 2-Step MacAdam Ellipse
- **Efficacy:** 96.5 lm / Watt



POLAR PLOT

120° Beam Angle 96.5 lm / W



3000K LUMEN DATA

System Watts/Ft	Delivered Lumens/Ft	
	82 CRI	92 CRI
5	483	386
6	579	463
7	676	540
8	772	618
9	869	695
10	965	772
11	1062	849
12	1158	926

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

PART NUMBER BUILDER

SERIES	LENGTH	LED COLOR	POWER	PACKAGING
CAS i2Cove Asymmetrical	1 1 Ft	27K 2700 K	08W 8Watts (Other power options available)	S Single (qty 1)
	3 3 Ft	30K 3000 K		
	4 4 Ft	35K 3500 K		



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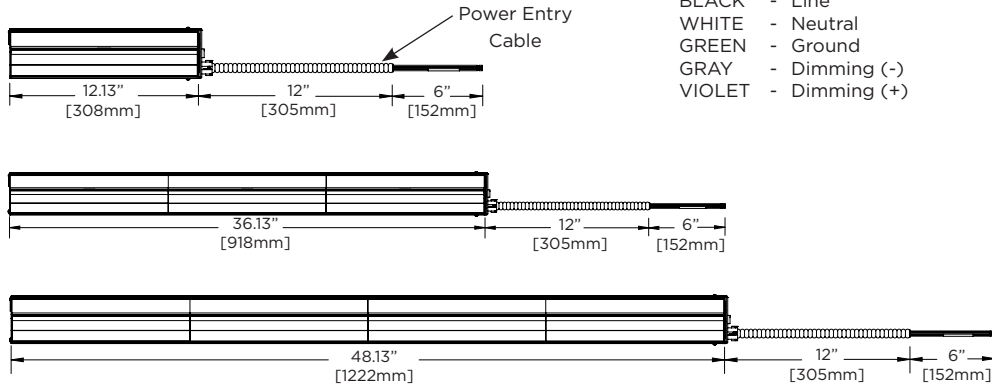
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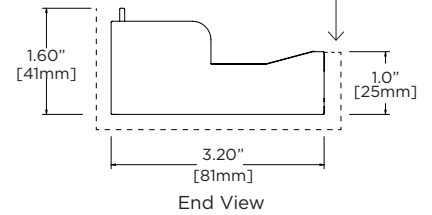
Asymmetrical LED Fixture

► i2COVE ASYMMETRICAL LIGHT FIXTURE



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

Ensure that the front edge of fixture is even with the front edge of the cove



► OPTIONS

• BRACKETS

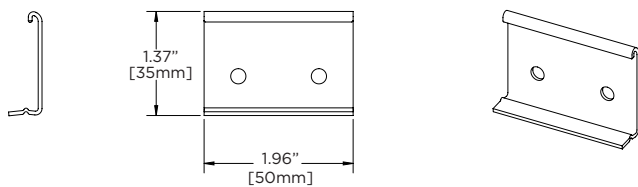
- CAB-1 Flat (supplied with fixture)
- CAB-2 Adjustable, Rotating (optional)

• CORNER KIT

- CAK-1 Plug-in Corner Kit (optional)

► FLAT MOUNTING BRACKET CAB-1

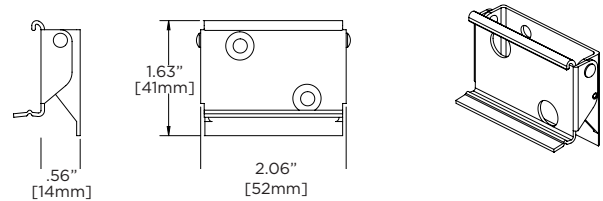
(2 brackets supplied with fixture)



- For surface mounting fixtures
- Secure with mounting screws
- Snap fixture into place

► ADJUSTABLE MOUNTING BRACKET CAB-2

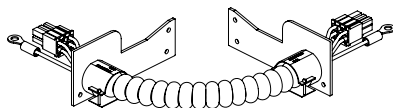
Optional



- For surface mounting fixtures
- Variable angle positions
- Secure with mounting screws (not included)
- Snap fixture into place

► FLAT MOUNTING BRACKET CAB-1

Optional



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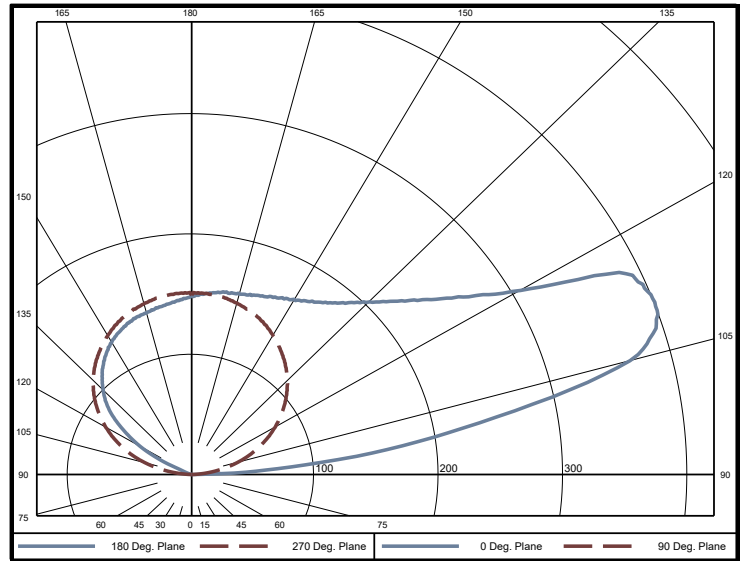
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► PHOTOMETRICS

• CAS1-30K-08W 3000K, 1ft, 8W

• i2Cove Asymmetrical Polar Plot

Integrating Sphere	
Luminous Flux	699 Lumens
Efficacy	96.5 lm/W
CCT	2905 K
CRI (Ra)	82.8
Electrical Data at 120 VAC	
Test Temperature	24.5 °C
Voltage	120.0 VAC
Current	0.06300 A
Power	7.250 W
Power Factor	0.956
Frequency	60 Hz
Current THD	20.0%



► ZONAL LUMEN SUMMARY

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0	0.0%	60-65	0.01	0.0%	120-125	57.59	8.40%
5-10	0	0.0%	65-70	0.04	0.0%	125-130	54.90	8.0%
10-15	0	0.0%	70-75	0.09	0.0%	130-135	52.08	7.6%
15-20	0	0.0%	75-80	0.17	0.0%	135-140	48.83	7.2%
20-25	0	0.0%	80-85	0.27	0.0%	140-145	45.07	6.6%
25-30	0	0.0%	85-90	0.41	0.1%	145-150	40.72	6.0%
30-35	0	0.0%	90-95	5.68	0.8%	150-155	35.77	5.2%
35-40	0	0.0%	95-100	24.81	3.6%	155-160	30.18	4.4%
40-45	0	0.0%	100-105	46.16	6.8%	160-165	24.01	3.5%
45-50	0	0.0%	105-110	58.37	8.5%	165-170	17.47	2.6%
50-55	0	0.0%	110-115	63.81	9.3%	170-175	10.62	1.6%
55-60	0.00	0.0%	115-120	62.05	9.1%	175-180	3.56	0.5%

► CERTIFICATIONS

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



AMERICAN
DESIGNED
& MANUFACTURED



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