

i2Cove

Asymmetrical LED Light Fixture

i2Systems
ADVANCED LED LIGHTING



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

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.



FEATURES

Quick & Easy Installation

Factory installed armored cables allow easy installation into existing electrical systems. 1', 3' and 4' modules are available.

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 an 18" entry cable.

PERFORMANCE

LED Color

2700 K, 3000 K, 3500 K (Other CCT available. Consult factory.)

LED CRI

80 Minimum; 82 Typical (90+ available. Consult factory.)

LED Color Consistency

2-Step MacAdam Ellipse

Efficacy

96.5 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

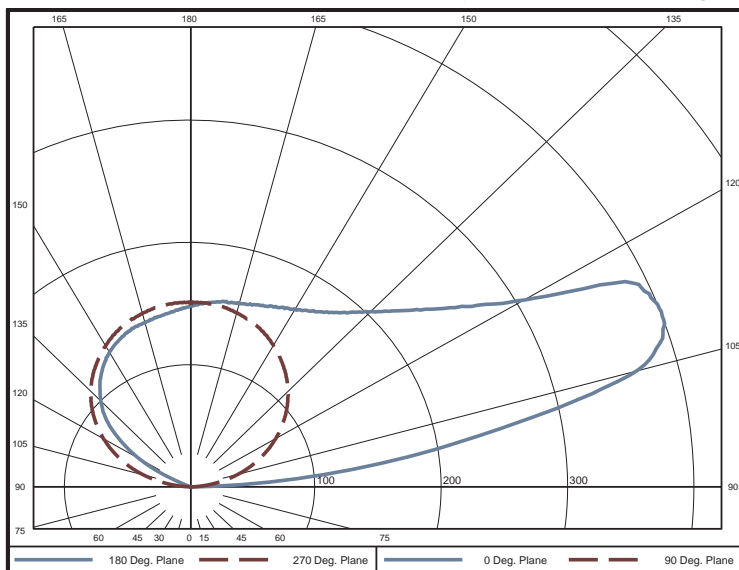
Temperature

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 96.5 lm / W



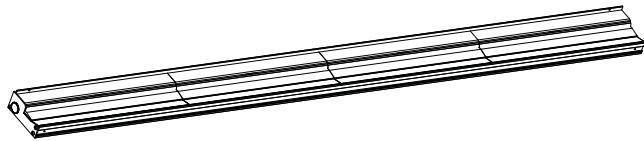
3000K LUMEN DATA

| 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 |

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FIXTURE TYPE: _____

JOB NAME: _____

NOTES: _____

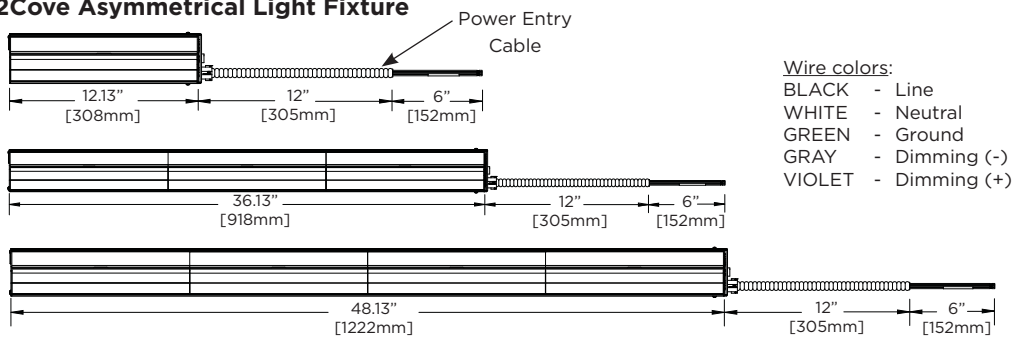
PART NUMBER BUILDER

| FIXTURE PREFIX | LENGTH | LED COLOR | POWER | PACKAGING |
|----------------|---------------|-------------------|---------------------------------|---------------------------|
| CAS | | | | |
| i2Cove | 1 1 Ft | 27K 2700 K | 08W 8 Watts | S Single (qty 1) |
| Asymmetrical | 3 3 Ft | 30K 3000 K | (other power options available) | B Bulk (1': qty 4) |
| | 4 4 Ft | 35K 3500 K | | (4': qty 7) |

EXAMPLES

CAS1-27K-08W-B
CAS4-35K-08W-S

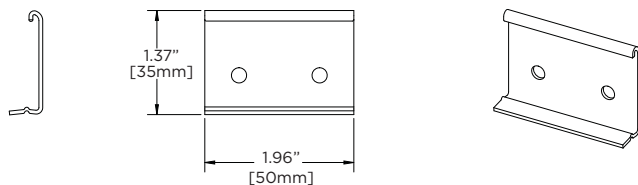
i2Cove Asymmetrical Light Fixture



OPTIONS

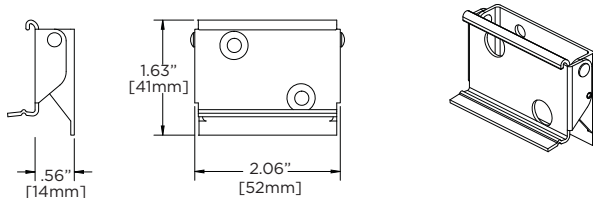
- | | |
|---|---|
| <input type="checkbox"/> CAB-1 Flat (supplied with fixture) | <input type="checkbox"/> CAK-1 Plug-in Corner Kit (optional) |
| <input type="checkbox"/> CAB-2 Adjustable, Rotating (optional) | |

Flat Mounting Bracket CAB-1 (2 brackets supplied with fixture)



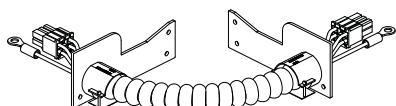
- For surface mounting fixtures
- Secure with mounting screws
- Snap fixture into place

Adjustable Mounting Bracket CAB-2 (optional)



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

Plug-In Corner Kit CAK-1 (optional)



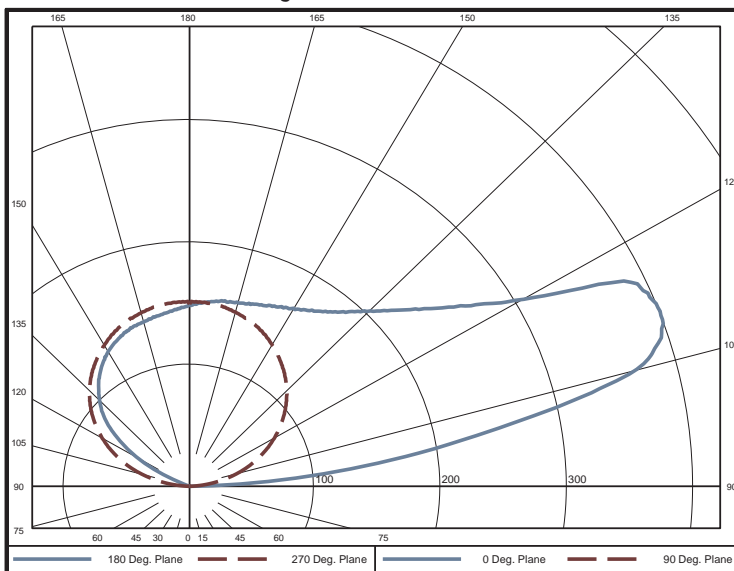
- Kit includes:
- Two end plates
 - Armored cable assembly

PHOTOMETRICS

CAS1-30K-08W 3000K, 1ft, 8W

| 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% |

i2Cove Asymmetrical Polar Plot



Zonal Lumen Summary

| Zone | Lumens | % of Luminaire | Zone | Lumens | % of Luminaire | Zone | Lumens | % of Luminaire |
|-------|--------|----------------|---------|--------|----------------|---------|--------|----------------|
| 0-5 | 0 | 0.0% | 60-65 | 0.01 | 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

