



Cove Light AC Dim

The Cove Light AC Dim offers a range of cold, neutral, or warm white with a 135x135 degree wide beam angle for general lighting, wall washing, and alcove illumination. Controlled by leading/trailing edge phase-cut dimmers, Cove Light AC Dim offers 100% to 5% dimming resolution without flickering.



IP20

Product Specifications

Light Source	6 LEDs
Color Temperature	2700K, 3000K, 3500K, 4000K, 6500K
CRI	81Ra (2700 K), 81Ra (3000 K), 85Ra (3500 K), 85Ra (4000 K), 72Ra (6500 K)
Beam Angle	135° x 135°
Luminous Flux ¹	339 - 454 lm
Efficacy ¹	48 - 65 lm/W
Lumen Maintenance	L70 @25°C - 80,000hrs
Cover Lens	Clear PC
Housing	ABS backcase
Adjustment Options	180° tilt (5° steps) with lock
Dimensions (L x W x H)	295 x 37 x 45mm 11.6" x 1.4" x 1.8"
Weight	200g/0.44lbs
Regulatory Listing & Safety Approval	Electrical Protection Class II, CE
Operating Temperature	-20°C to +50°C / -4°F to +122°F
Storage Temperature	-40°C to +70°C / -40°F to +158°F
Environment	Indoor
Humidity	0-90%, non-condensing

Electrical Specifications

Input Voltage ²	220-240V
Power Consumption	7W maximum at full output, steady state
Power Factor	≥ 0.9

System Specifications

Power	AC line, daisy chain
Control ³	Compatible with and controlled by leading/trailing edge phase-cut dimmers
Power Supply	Built-in
Fixture Interconnection ⁴	150ft @ 220VAC

1. Range is respective to color temperature from 2700 K - 6500 K, see Photometrics pages for details.
2. Product is not for use on circuits that contain generators, pumps, motors, or on emergency backup lighting system.
3. Refer to Cove Light AC Dim Compatible Dimmer List for specific details.
4. Interconnect without dimmer

LED CHARACTERISTICS Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers "sort" LEDs into bins according to different preset parameters, such as forward driving voltage, illumination, etc. Whereas binning is a sorting function, it is not a correction process. Inherent variability in the manufacturing process results always in different binning distributions according to different production lots. Traxon uses automatically binned LEDs on its products, thereby minimizing output variations within the model range.

As with all electronic devices, LED output degrades over time – a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicate function of many factors such as operating efficiency, duration of continuous operation, and more significantly, environmental conditions (ambient temperature for example). If allowed working under optimal operating temperature range and with good ventilation, LED devices enjoy long service lives over conventional light sources. When using/installing LED devices, care should be taken to ensure that the devices will operate within the operating conditions specified in respective product literature.

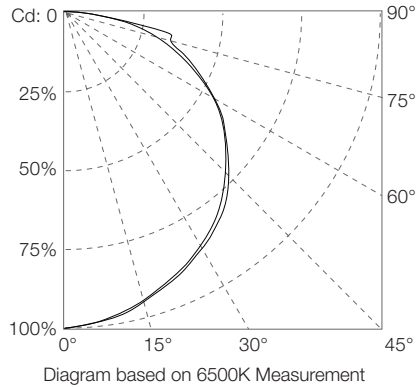
Lumen measurement complies with LM-79-08 standard.
 Lumen maintenance is calculated based on LM-80 compliant measurement.

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Candela Distribution

Light Output



Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
2700 K	339	99.3	48.4
3000 K	351	101.5	51.1
3500 K	347	99.3	50.9
4000 K	380	109.5	55.1
6500 K	454	132.0	65.2

Illuminance at a Distance

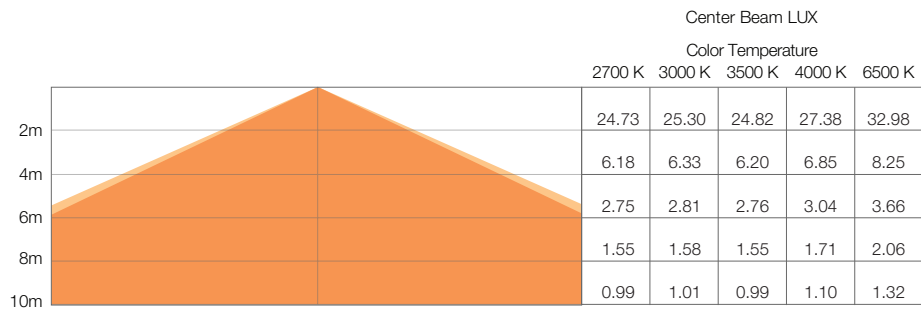


Diagram based on 6500 K measurement
For feet multiply by 3.28

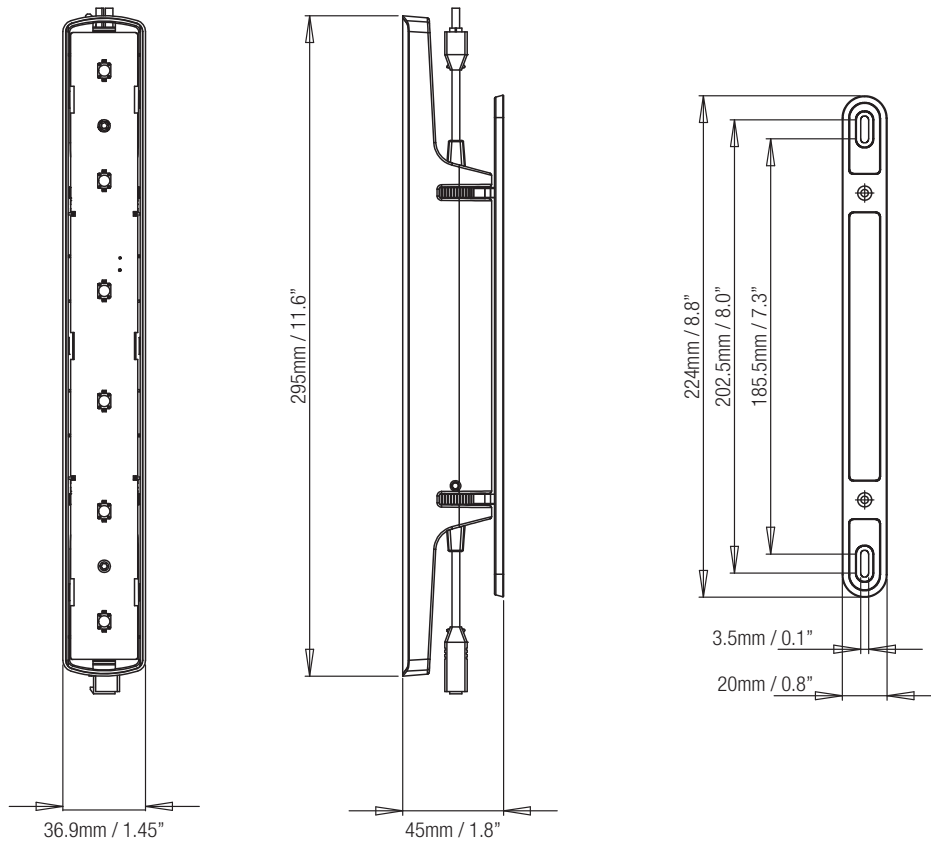
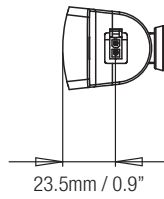
For fc divide by 10.7

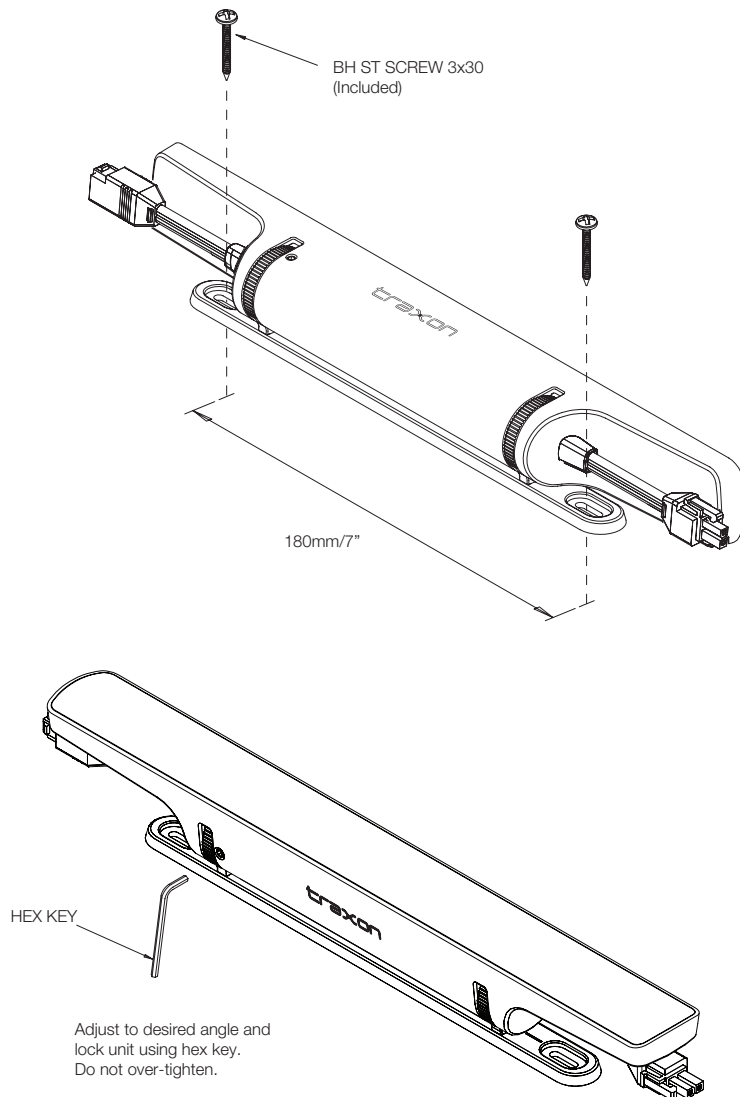
Color Temperature	Vert. Spread	Horiz. Spread
2700 K	131.1°	133.6°
3000 K	130.3°	133.0°
3500 K	131.6°	136.5°
4000 K	131.6°	136.1°
6500 K	128.8°	132.1°

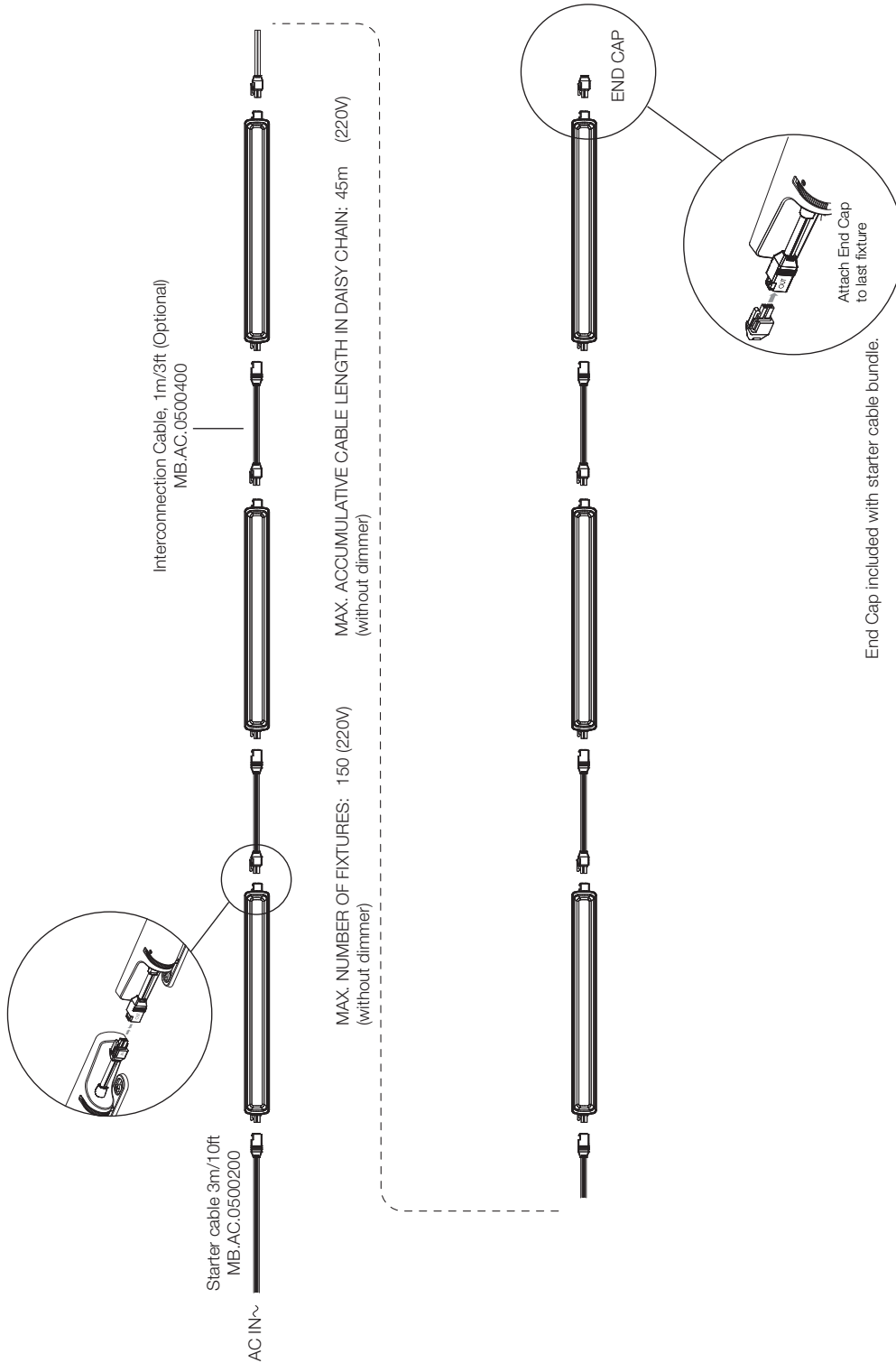
Measurement for other optics, IES and LDT files are available for download from the Traxon website

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Cove Light AC Dim

Ordering

Fixtures

Model No.	Description	Item Code
MB.CA.1227001	Cove Light AC DIM 2700K 135x135deg (CE)	AA547520155
MB.CA.1230001	Cove Light AC DIM 3000K 135x135deg (CE)	AA547530155
MB.CA.1235001	Cove Light AC DIM 3500K 135x135deg (CE)	AA547540055
MB.CA.1240001	Cove Light AC DIM 4000K 135x135deg (CE)	AA547550155
MB.CA.1265001	Cove Light AC DIM 6500K 135x135deg (CE)	AA557680055

Accessories

Model No.	Description	Item Code
MB.AC.0500200	Cove Light AC Starter Cable (CE), 3m/10ft, incl. End Cap	AA553820055
MB.AC.0500400	Cove Light AC Interconnection Cable (CE), 1m/3ft	AA553830055



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