



Date: _____ Quantity: _____

Company: _____

Project: _____



Cove Light AC HE

The Cove Light AC HE is a cost efficient and ultra energy efficient alternative to traditional linear incandescent or fluorescent cove lighting. Low profile and a long daisy chain length makes it suitable for applications in architectural, hospitality and residential for wall and ceiling glow effects, as well as general cove applications.



Product Specifications

Light Source	6 LEDs
Color Range	2700K, 3000K, 4000K
CRI	85Ra (2700K), 85Ra (3000K), 85Ra (4000K)
Beam Angle	120° x 120°
Luminous Flux ¹	185 - 211 lm
Efficacy ¹	60 - 68 lm/W
Lumen Maintenance	L70 @25°C - 50,000hrs
Cover Lens	Clear PC
Housing	ABS backcase
Adjustment Options	180° tilt (5° steps) with lock
Dimensions (L x W x H)	287 x 32 x 41mm 11.3" x 1.3" x 1.6"
Weight	200g / 0.44lbs
Regulatory Listing & Safety Approval	Electrical Protection Class II, CE
Operating Temperature	0°C to 40°C / +32°F to +140°F
Storage Temperature	-40°C to +70°C / -40°F to +158°F
Environment	Indoor, IP20
Humidity	0-90%, non-condensing

Electrical Specifications

Input Voltage	220V AC, 50 / 60Hz
Power Consumption	Typ. 3.4W @ 220V AC
Power Factor	≥ 0.9

System Specifications

Power	AC line, daisy chain
Power Supply	Built-in
Fixture Interconnection	300ft @ 220V AC

1. Range is respective to color temperature from 2700 K - 4000 K, see Photometrics pages for details.

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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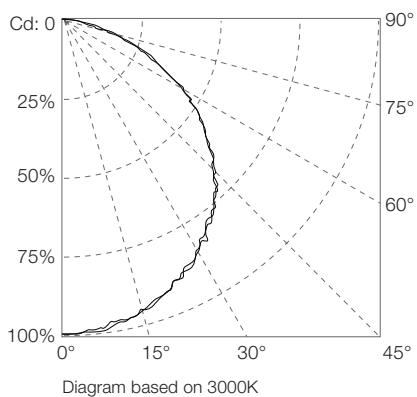


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Photometrics

Candela Distribution

Light Output



Color Temperature	Luminous Flux (lm)	Candela Distribution at 100%	Efficacy (lm/W)
2700 K	184.8	66.4	60
3000 K	192.9	69.1	62
4000 K	211.4	75.6	68

Illuminance at a Distance

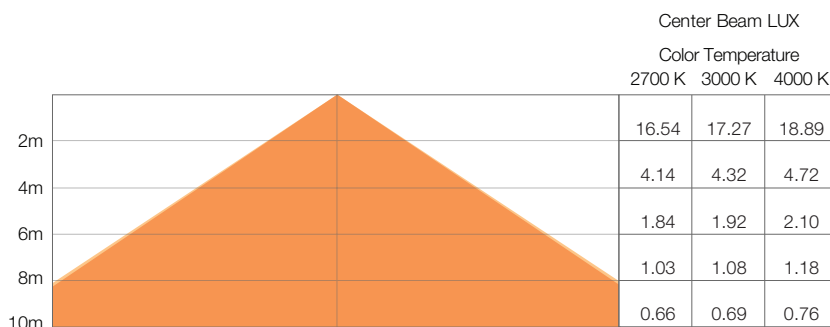
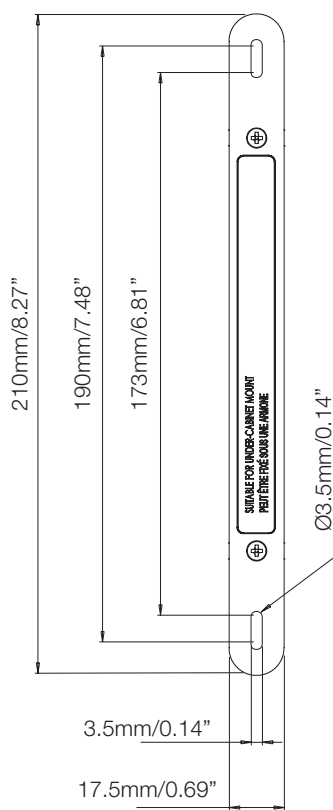
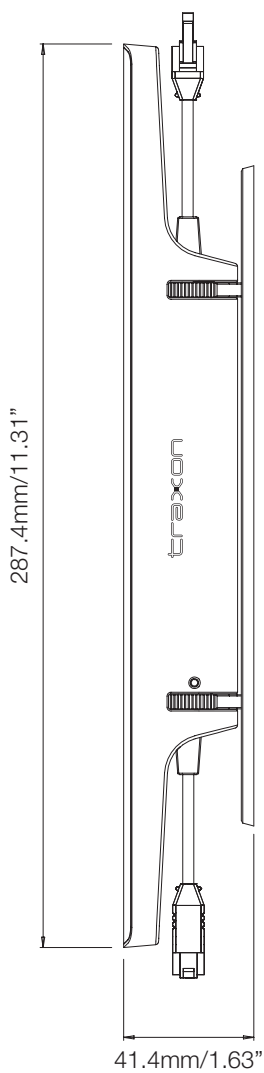
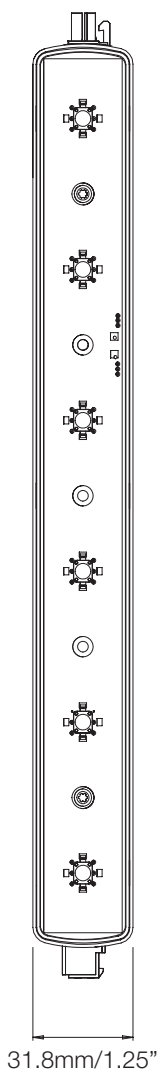
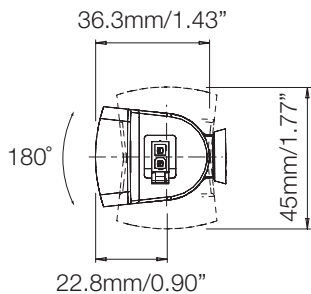


Diagram based on 3000 K measurement
For feet multiply by 3.28

● Vert.Spread: 112.0°
● Horiz.Spread: 113.0°
For fc divide by 10.7



Cove Light AC HE Dimensions



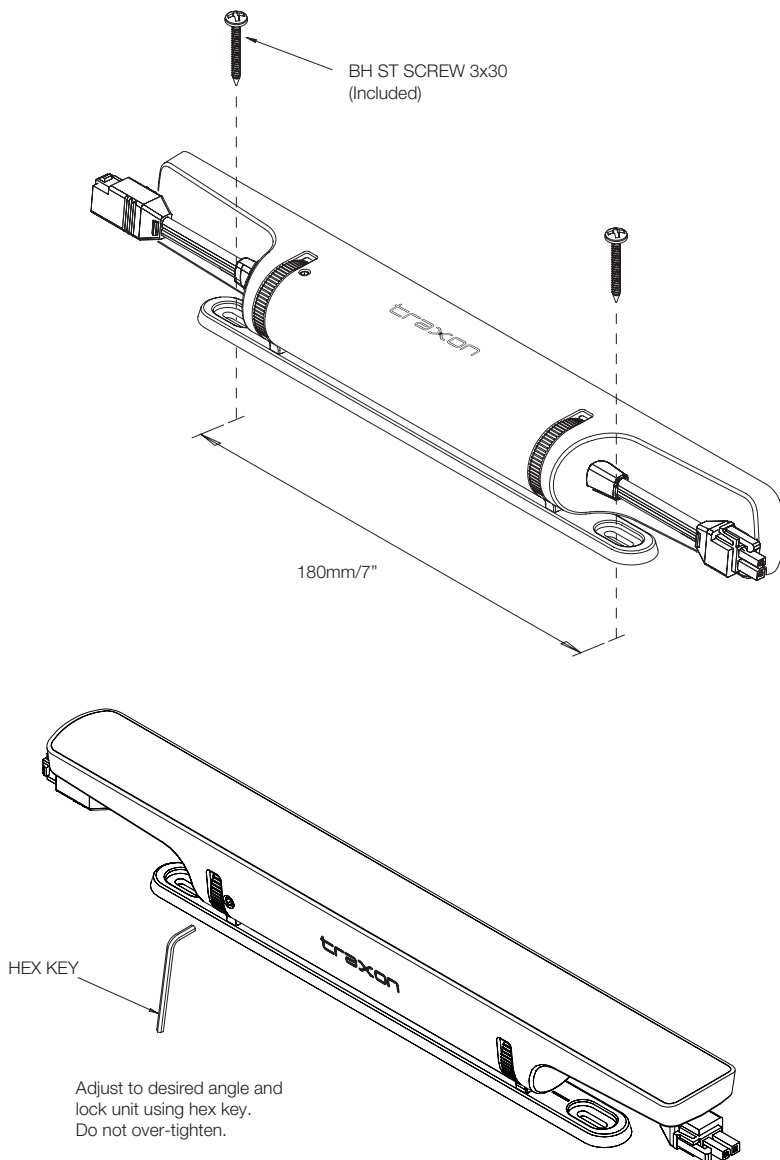
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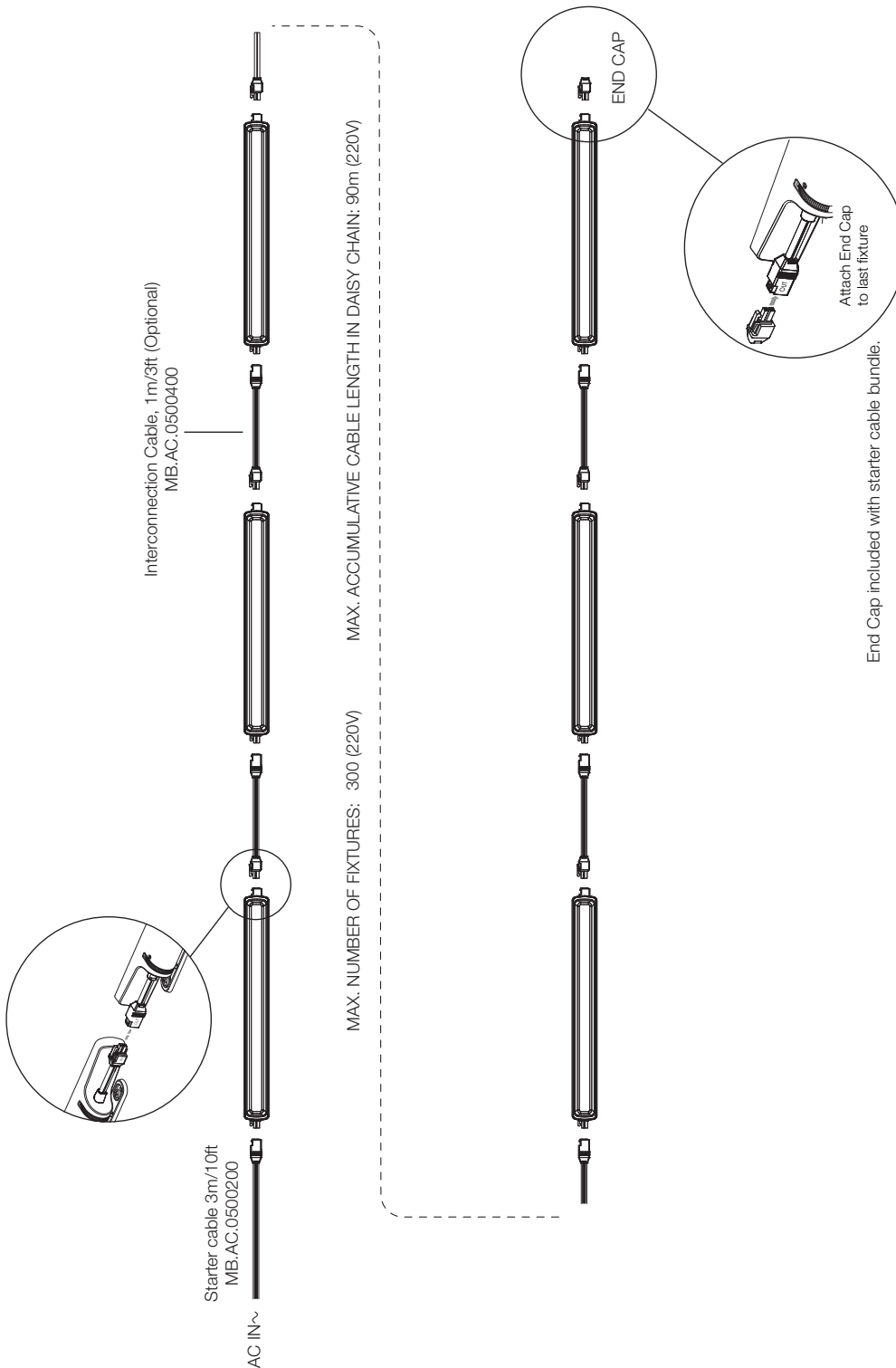
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Mounting





Cove Light AC HE System Diagram



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Ordering

Model Number

Model No.	Description	Item Code
MB.CE.0227000	Cove Light AC HE 2700K 120x120deg (CE)	AA547560055
MB.CE.0230000	Cove Light AC HE 3000K 120x120deg (CE)	AA547830155
MB.CE.0240000	Cove Light AC HE 4000K 120x120deg (CE)	AA547570055

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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