




traxon



Cove Light AC HO

MB.CO.xxxxxxx	The Traxon Cove Light AC HO offers a range of cold, neutral, or warm white with a 120x120 degree beam angle for general lighting, wall washing, and alcove illumination. Controlled by leading/trailing edge phase-cut dimmers, Cove Light AC HO offers 100% to 5% dimming resolution without flickering, and boasts 60 - 69 lm/W.	OSRAM
		CE  
		 IP20 INDOOR

PRODUCT SPECIFICATIONS

- **Light Source:** 9 / 18 / 27 LEDs
- **Color Temperature:** 2400K¹, 2700K, 3000K, 3500K, 4000K, 6500K¹
- **CRI:** 2700K, 3000K, 3500K, 4000K - 80Ra
- **Beam Angle:** 120°x120°
120°x55°, 10°x50°, 40° (available in April 2013)
- **Luminous Flux²:** 656 - 2275 lm
- **Efficacy²:** 60 - 69 lm/W
- **Cover Lens:** Diffused PC
- **Housing:** Aluminium extrusion
- **Adjustment Options:** 180° tilt (10° steps)
- **Size:** [305, 610, 915]mm (L) x 39mm (W) x 46mm (H) / [12, 24, 36]" (L) x 1.5" (W) x 1.81" (H)
- **Weight:** HO-9: 400g/0.88lbs, HO-18: 730g/1.61lbs, HO-27: 1050g /2.31lbs
- **Regulatory Listing & Safety Approval:** Electrical Protection Class II, CE, cETLus
- **Operating Temperature:** -20°C to +45°C / -4°F to +113°F
- **Storage Temperature:** -40°C to +70°C / -40°F to +158°F
- **Environment:** Indoor
- **Humidity:** 0-90%, non-condensing

ELECTRICAL SPECIFICATIONS

- **Input Voltage:** 120-127V / 220-240V / 277V
- **Power Consumption:** HO-9: max. 11W; HO-18: max. 22W; HO-27: max. 33W
- **Power Factor:** > 0.9
- **Dimming:** Compatible with and controlled by leading/trailing edge phase-cut dimmers³

SYSTEM SPECIFICATIONS

- **Power:** AC line, daisy chain
- **Power Supply:** Built-in
- **Max. Number Of Fixtures⁴:** 120 @ 277VAC; 100 @ 220VAC; 50 @ 120VAC

1. CCT 2400K & 6500K are made to order.
2. Range is respective to color temperature from 2700K - 4000K, see Photometrics page for details.
3. Refer to Cove Light AC HO 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.

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02/13 V0.6

SOURCE SPECIFICATIONS

Source: 9 / 18 / 27 High intensity power light emitting diodes

Optics: 120° x 120°

Cover Lens: Diffused PC

CCT: 2700 K, 3000 K, 3500 K, 4000 K

CANDELA DISTRIBUTION

LIGHT OUTPUT

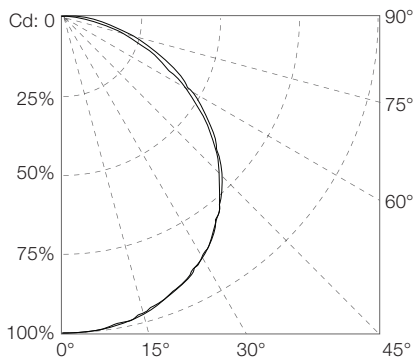


Diagram based on HO-9 2700 K 120°x120°

Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy lm/W
HO-9			
2700 K	656.0	207.52	60
3000 K	693.8	209.53	63
3500 K	680.8	218.99	62
4000 K	743.8	232.85	68
HO-18			
2700 K	1311.4	416.60	60
3000 K	1387.5	419.06	63
3500 K	1361.8	436.55	62
4000 K	1487.2	461.68	68
HO-27			
2700 K	1984.5	631.25	60
3000 K	2081.4	628.59	63
3500 K	2068.3	652.24	63
4000 K	2275.3	691.49	69

ILLUMINANCE AT A DISTANCE

Center Beam LUX

HO-9	Color Temperature			
	2700 K	3000 K	3500 K	4000 K
2m	51.85	53.26	54.73	58.19
4m	12.96	13.32	13.68	14.55
6m	5.76	5.92	6.08	6.47
8m	3.24	3.33	3.42	3.64
10m	2.07	2.13	2.19	2.33

HO-18	Color Temperature			
	2700 K	3000 K	3500 K	4000 K
2m	104.11	103.85	109.13	115.33
4m	26.03	25.96	27.28	28.83
6m	11.57	11.54	12.13	12.81
8m	6.51	6.49	6.82	7.21
10m	4.16	4.15	4.37	4.61

HO-27	Color Temperature			
	2700 K	3000 K	3500 K	4000 K
2m	157.56	157.10	162.83	172.56
4m	39.39	39.28	40.71	43.14
6m	17.51	17.46	18.09	19.17
8m	9.85	9.82	10.18	10.78
10m	6.30	6.28	6.51	6.90


Diagram based on 2700 K measurement
 For feet multiply by 3.28

● Vert. Spread
 ● Horiz. Spread
 For fc divide by 10.7

Measurements for other optics, IES and LDT files are available for download from the Traxon website
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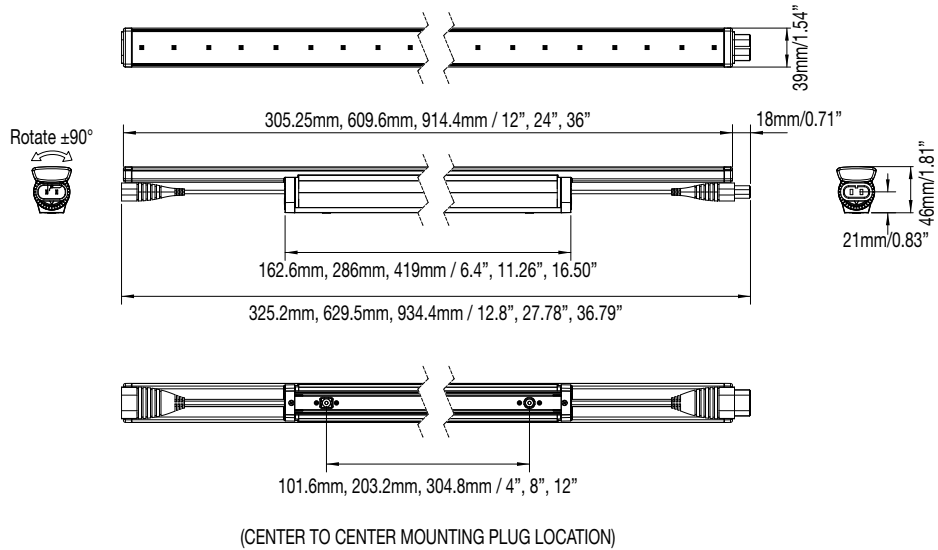
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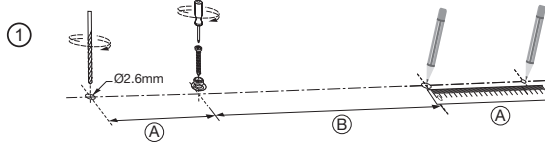
 Cove Light AC HO

Dimensions

TECHNICAL DRAWING

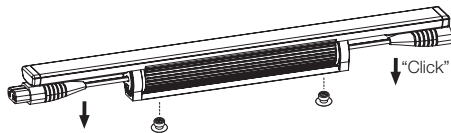


MOUNTING

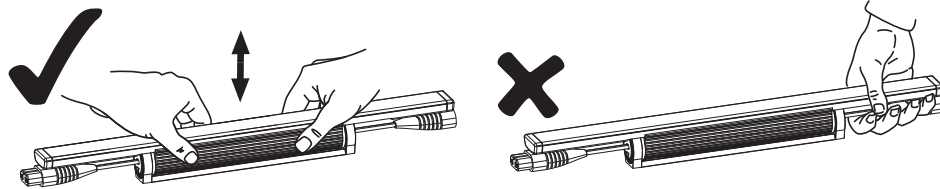


Fixture	Mounting Screw Distance (A)	Interconnection Distance (B)
HO-9	101.6mm/4"	203.2mm/8"
HO-18	203.2mm/8"	406.4mm/16"
HO-27	304.8mm/12"	612.14mm/24.1"

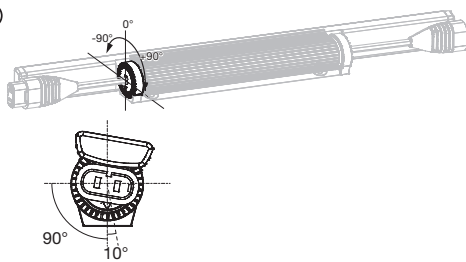
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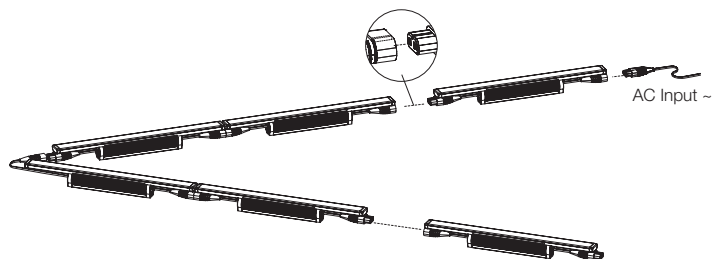
Note: When installing to and removing from mounting surface, push down/pull up from centre of luminaire. Do NOT pull up or push down from the ends of the luminaire.



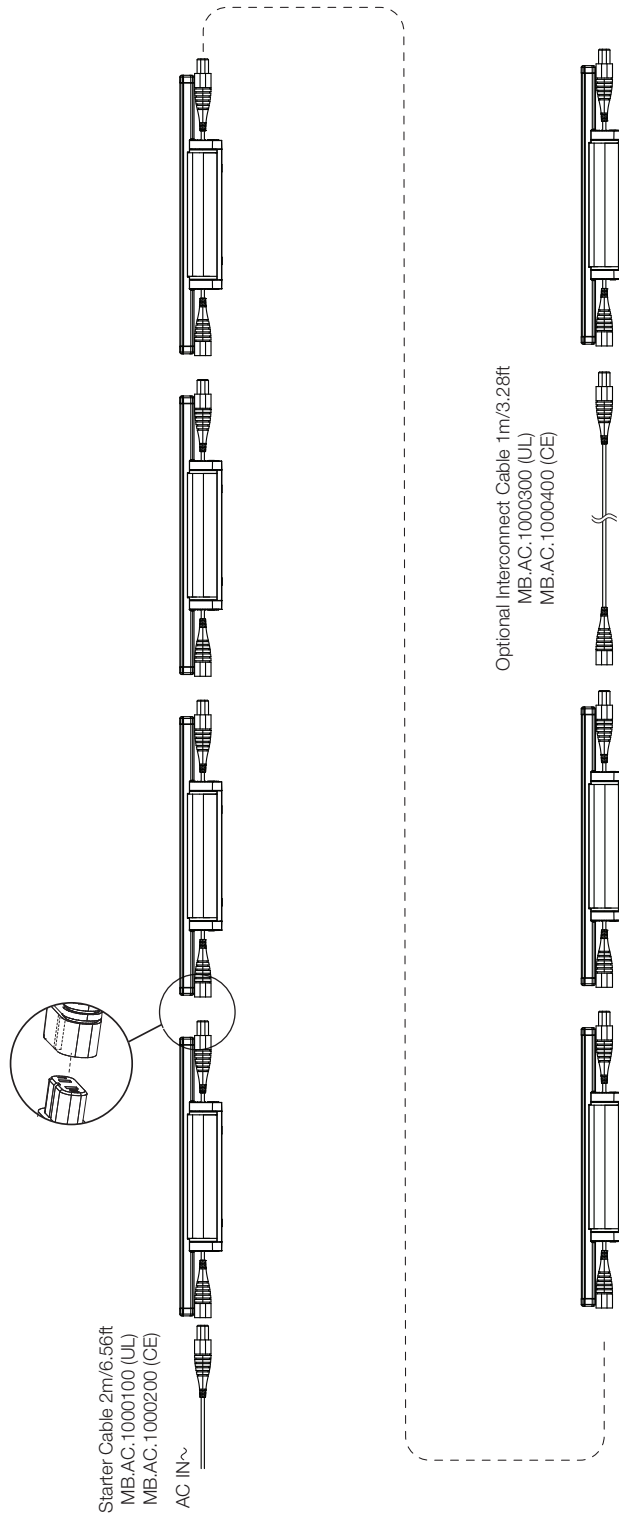
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SYSTEM DIAGRAM



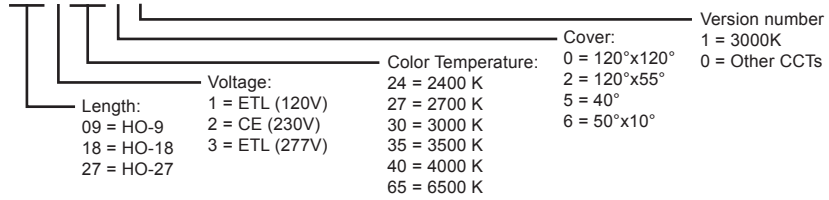
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Accessories

MODEL NUMBER

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OPTIONAL ACCESSORIES

Model No.	Description
MB.AC.1000100	Cove Light AC HO Starter Cable (UL), 2m/6ft
MB.AC.1000300	Cove Light AC HO Interconnection Cable (UL), 1m/3ft
MB.AC.1000200	Cove Light AC HO Starter Cable (CE), 2m/6ft
MB.AC.1000400	Cove Light AC HO Interconnection Cable (CE), 1m/3ft
MB.AC.1000500	Cove Light AC HO Mounting Track 1.2m/4ft

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02/13 V0.6