



Cove Light AC DIM GII

The Cove Light AC DIM GII is a slim profile, AC line powered highly efficient luminaire. It is designed for the perfect cove lighting in interior, hospitality and residential environments.



IP20

Product Specifications

Light Source	12 LEDs	48 LEDs
Color Temperature	2700K, 3000K, 3500K, 4000K	
CRI	>80Ra	
SDCM	2	
Beam Angle	120° × 120°	
Luminous Flux ¹	452 - 509 lm	1960 - 2198 lm
Efficacy ¹	95 - 115 lm/W	
Lumen Maintenance	L70 @25°C - 50,000hrs	
Cover Lens	PC cover	
Housing	Aluminium	
Adjustment Options	±90° tilt	
Dimensions (L × W × H)	300mm × 37mm × 45mm 12" × 1.5" × 1.8"	1200mm × 37mm × 45mm 48" × 1.5" × 1.8"
Weight	0.4kg / 0.9lbs	1.3kg / 2.9lbs
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 (IP20)	
Humidity	90%, non-condensing	

Electrical Specifications

Input Voltage ²	220-240V AC 50/60Hz	
Power Consumption	4.7W	18.5W
Power Factor	0.95	

System Specifications

Power	AC line
Control ³	1-10V dimming, 5%-100%, 0.2mA dimming current
Power Supply	Built-in
Fixture Interconnection ⁴	75ft @220-240V AC

1. Range is respective to color temperature from 2700K - 4000K, see photometrics pages for details.
2. Product is not for use on circuits that contain generators, pumps, motors, or on emergency backup lighting systems.
3. Dimming range might be different when working with different dimmers.
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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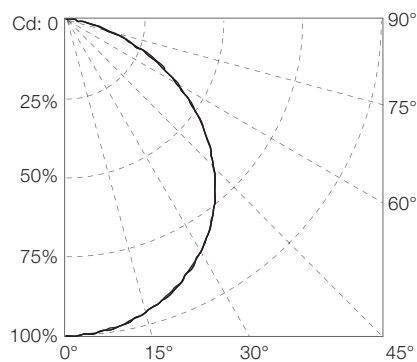


Cove Light AC DIM GII

Source Specifications

LED Source	White LEDs (High Output)
Beam Angle	120° × 120°
Color Temperature	2700K

Candela Distribution

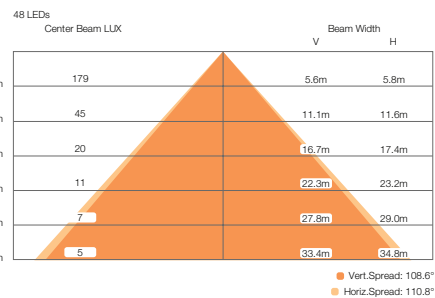
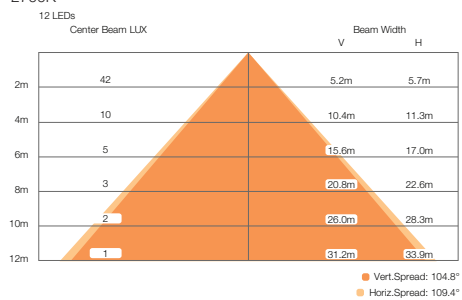


Light Output

Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
12 LEDs			
2700K	451.6	167.5	95
48 LEDs			
2700K	1960	716.6	106

Illuminance at a Distance

2700K

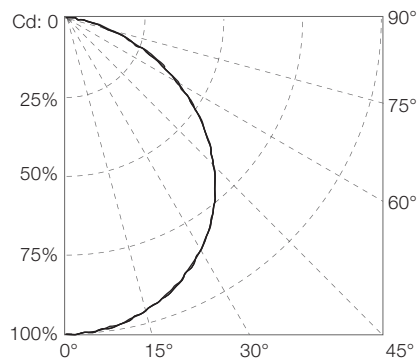


Cove Light AC DIM GII

Source Specifications

LED Source	White LEDs (High Output)
Beam Angle	120° × 120°
Color Temperature	3000K, 3500K, 4000K

Candela Distribution

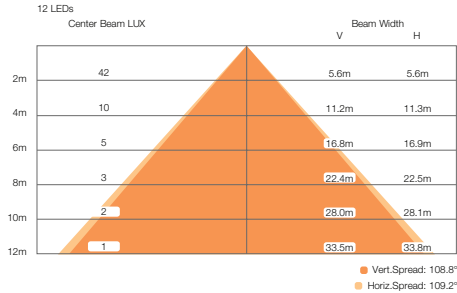


Light Output

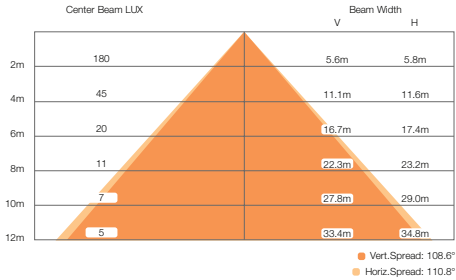
Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
12 LEDs			
3000K	456	167.5	106
3500K	486.8	178.3	110
4000K	508.6	185.9	113
48 LEDs			
3000K	1976	722.5	107
3500K	2109	768	110
4000K	2198	800.3	115

Illuminance at a Distance

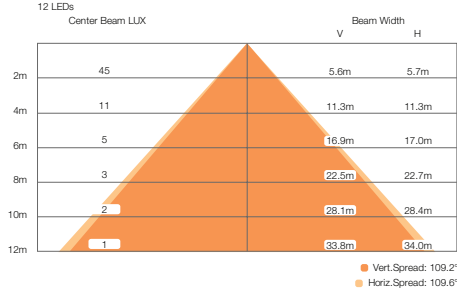
3000K



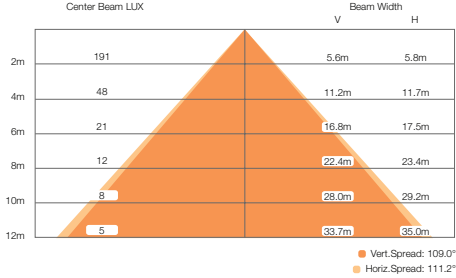
48 LEDs



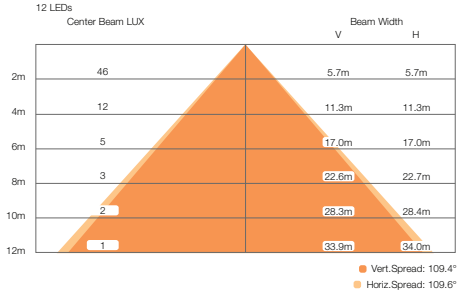
3500K



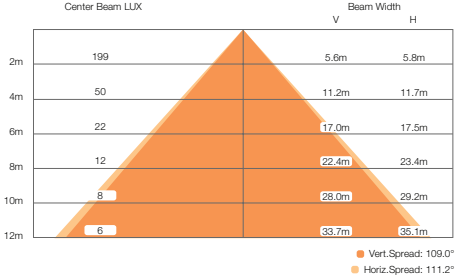
48 LEDs



4000K



48 LEDs

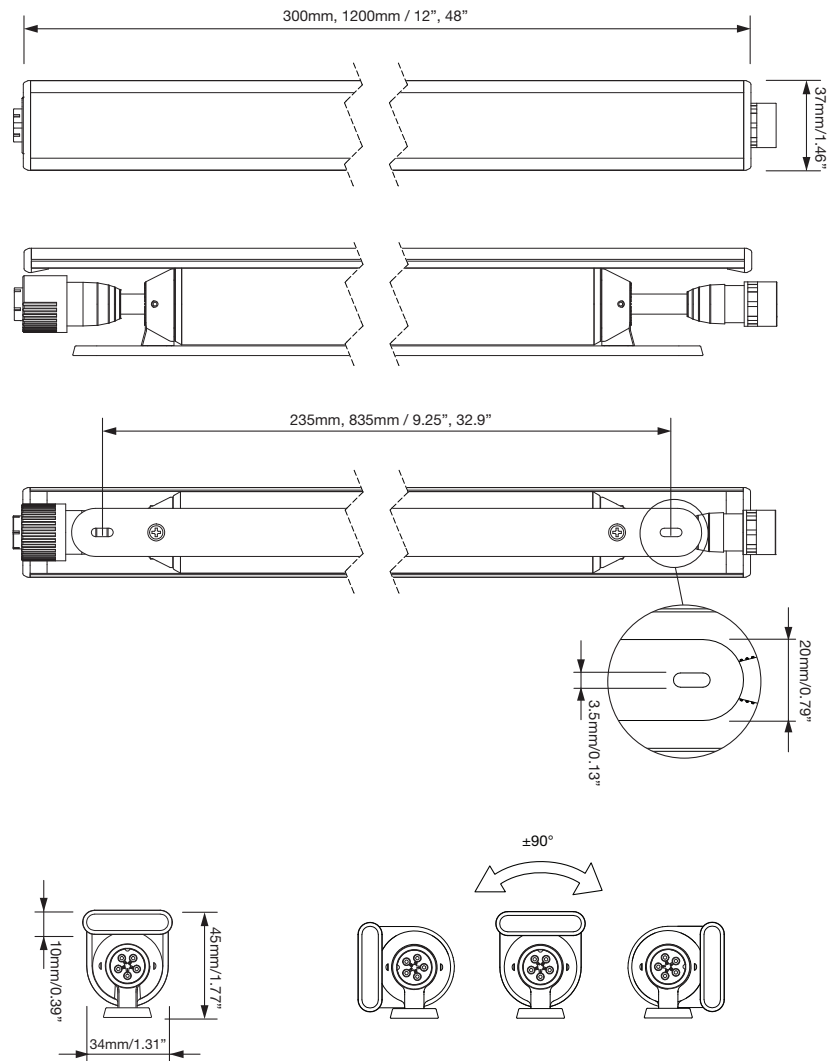


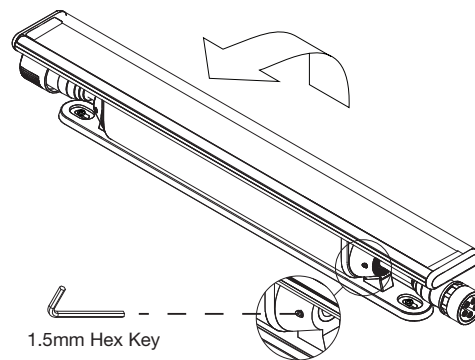
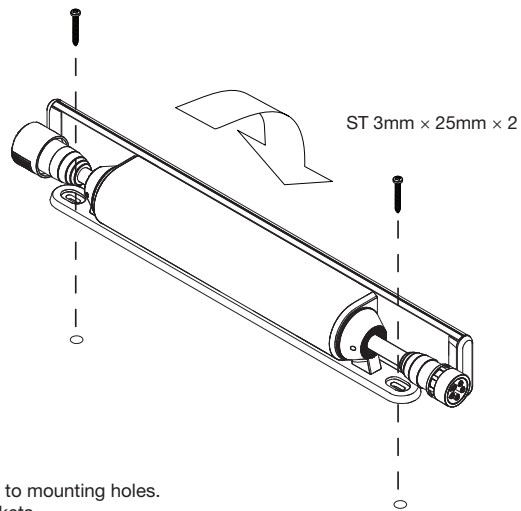
For feet multiply by 3.28

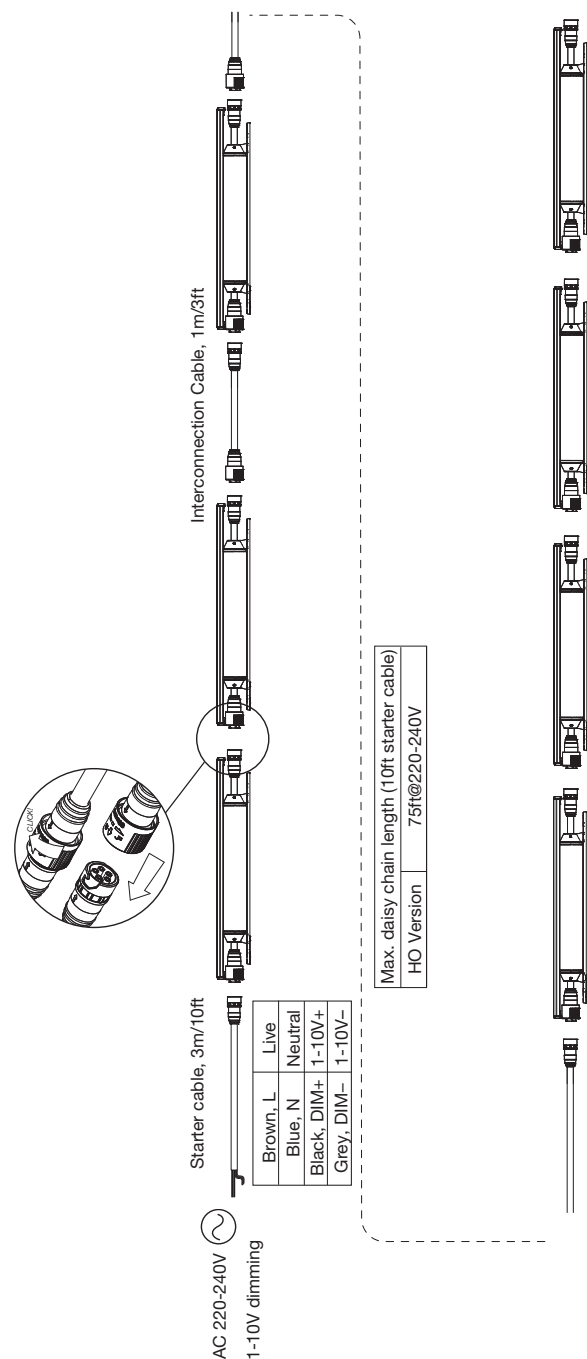
For ft divide by 10.7

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Cove Light AC DIM GII

Ordering

Model Number

MB	.	CC	.	N	0	2	NN	0	2
			Length	Dimming		Certification	CCT	Beam Angle	Version
			1: 1ft (12")	0: 1-10V		2: CE 230V	27: 2700K	0: 120° × 120°	2: High Output
			4: 4ft (48")				30: 3000K		
							35: 3500K		
							40: 4000K		

Fixtures 230V

Model No.	Description	Item Code
MB.CC.1022702	Cove Light AC DIM GII HO 2700K 120°X120° 230V CE, 1-10V DIM, 1ft	AM024080055
MB.CC.1023002	Cove Light AC DIM GII HO 3000K 120°X120° 230V CE, 1-10V DIM, 1ft	AM024090055
MB.CC.1023502	Cove Light AC DIM GII HO 3500K 120°X120° 230V CE, 1-10V DIM, 1ft	AM024100055
MB.CC.1024002	Cove Light AC DIM GII HO 4000K 120°X120° 230V CE, 1-10V DIM, 1ft	AM024110055
MB.CC.4022702	Cove Light AC DIM GII HO 2700K 120°X120° 230V CE, 1-10V DIM, 4ft	AM024120055
MB.CC.4023002	Cove Light AC DIM GII HO 3000K 120°X120° 230V CE, 1-10V DIM, 4ft	AM024130055
MB.CC.4023502	Cove Light AC DIM GII HO 3500K 120°X120° 230V CE, 1-10V DIM, 4ft	AM024140055
MB.CC.4024002	Cove Light AC DIM GII HO 4000K 120°X120° 230V CE, 1-10V DIM, 4ft	AM024150055

Accessories

Model No.	Description	Item Code
MB.AC.0501300	Cove Light AC DIM GII Starter Cable 4-wire CE, 3m/9.8ft	AM035930055
MB.AC.0501400	Cove Light AC DIM GII Interconnection Cable 4-wire CE, 1m/3.3ft	AM035970055