

Cove Light AC DIM GII



The Cove Light AC DIM GII is a slim profile, AC line powered highly efficient luminaire with a range of power output options. With 220-240V power input and 1-10V dimming, the Cove Light AC DIM GII is the perfect addition to interior hospitality and residential environments.



Product Specifications

	5W/ft		8W/ft		12W/ft	
Light Source (LEDs)	12	48	12	48	12	48
Color Temperature	2700K, 3000K, 3500K, 4000K					
CRI	>80Ra					
SDCM	2					
Beam Angle	120° × 120°					
Luminous Flux¹	509 lm	2198 lm	885 lm	3727 lm	1261 lm	5145 lm
Efficacy¹	113 lm/W	115 lm/W	112 lm/W	120 lm/W	106 lm/W	111 lm/W
Lumen Maintenance	L70 @25°C - 50,000hrs					
Cover Lens	PC cover					
Housing	Aluminium					
Adjustment Options	±90° tilt					
Dimensions (L) (W × H)	300mm/12"	1200mm/48"	300mm/12"	1200mm/48"	300mm/12"	1200mm/48"
	37mm × 55mm/1.5" × 2.1"					
Weight	0.4kg/0.9lb	1.3kg/2.9lb	0.4kg/0.9lb	1.5kg/3.3lb	0.4kg/0.9lb	1.5kg/3.3lb
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 Voltage²	220-240V AC 50/60Hz					
Power Consumption	5W	19W	8W	31.5W	12W	47W
Power Factor	≥0.9					

System Specifications

Power	AC line					
Control³	1-10V dimming, 5%-100%, 0.2mA dimming current					
Power Supply	Built-in					
Fixture Interconnection⁴	75ft		52ft		32ft	

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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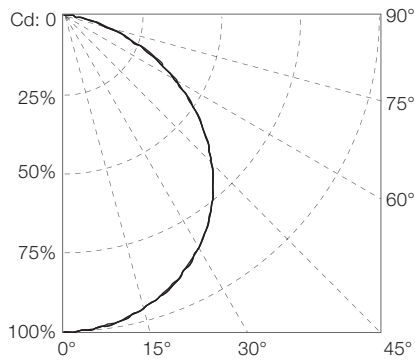
Cove Light AC DIM GII

Photometrics

Source Specifications

LED Source	White LEDs (5W/ft)
Beam Angle	120° × 120°
Color Temperature	2700K

Candela Distribution

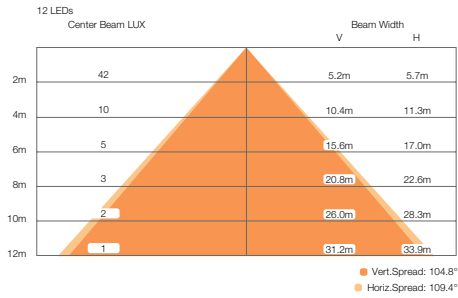


Light Output

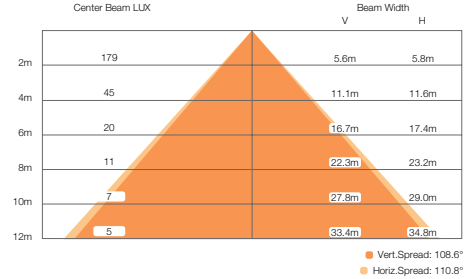
Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
12 LEDs			
2700K	452	168	95
48 LEDs			
2700K	1960	717	106

Illuminance at a Distance

2700K



48 LEDs



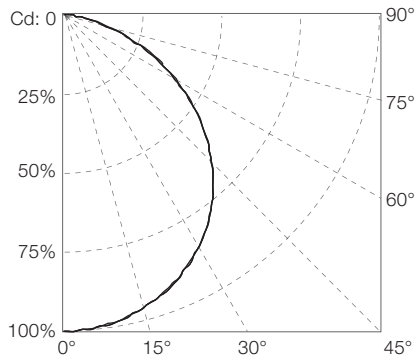
Cove Light AC DIM GII

Photometrics

Source Specifications

LED Source	White LEDs (5W/ft)
Beam Angle	120° × 120°
Color Temperature	3000K, 3500K, 4000K

Candela Distribution

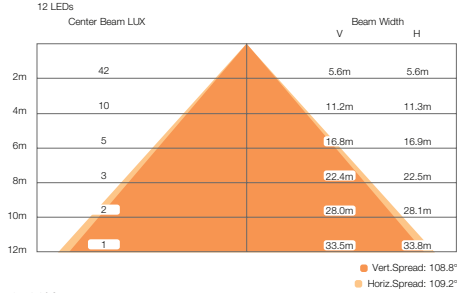


Light Output

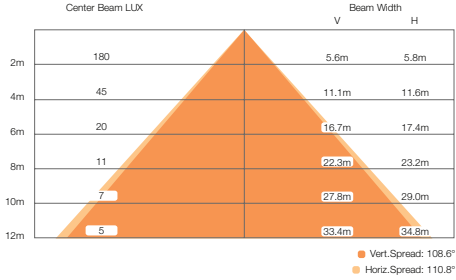
Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
12 LEDs			
3000K	456	168	106
3500K	487	178	110
4000K	509	186	113
48 LEDs			
3000K	1976	723	107
3500K	2109	768	110
4000K	2198	800	115

Illuminance at a Distance

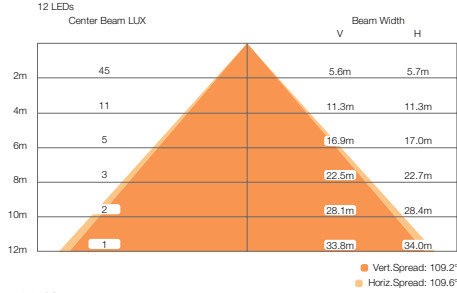
3000K



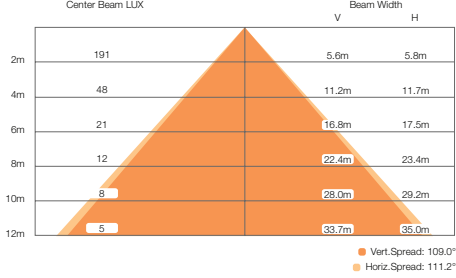
48 LEDs



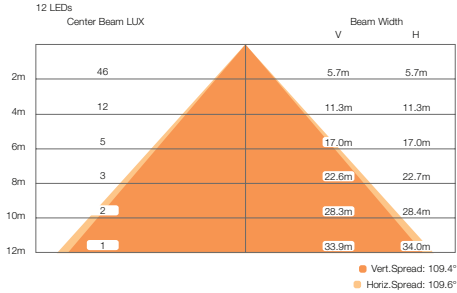
3500K



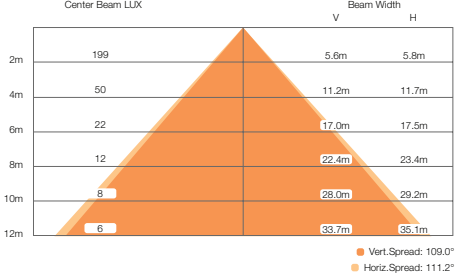
48 LEDs



4000K



48 LEDs



For feet multiply by 3.28

For fc divide by 10.7

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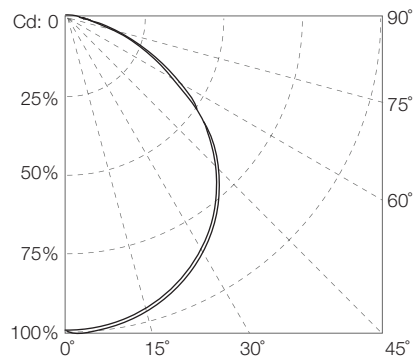
Cove Light AC DIM GII

Photometrics

Source Specifications

LED Source	White LEDs (8W/ft)
Beam Angle	120° × 120°
Color Temperature	2700K

Candela Distribution

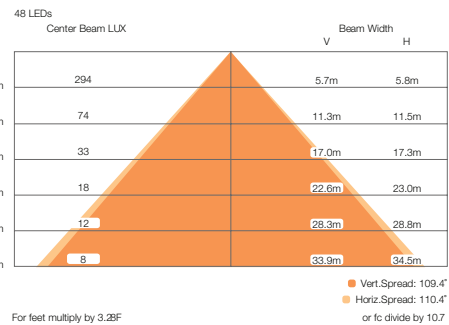
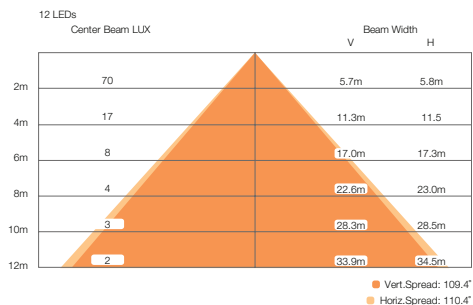


Light Output

Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
12 LEDs			
2700K	764	281	98
48 LEDs			
2700K	3217	1171	106

Illuminance at a Distance

2700K



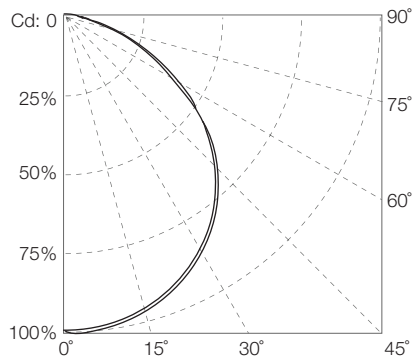
Cove Light AC DIM GII

Photometrics

Source Specifications

LED Source	White LEDs (8W/ft)
Beam Angle	120° × 120°
Color Temperature	3000K, 3500K, 4000K

Candela Distribution

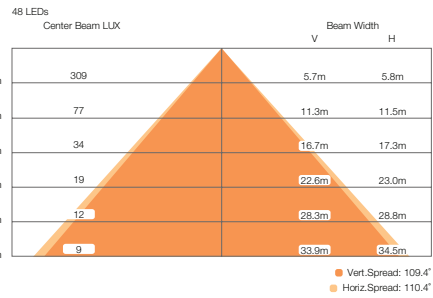
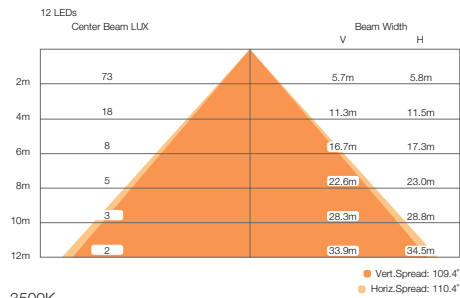


Light Output

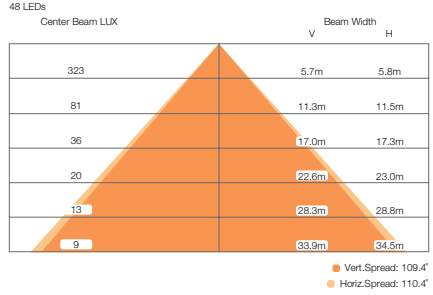
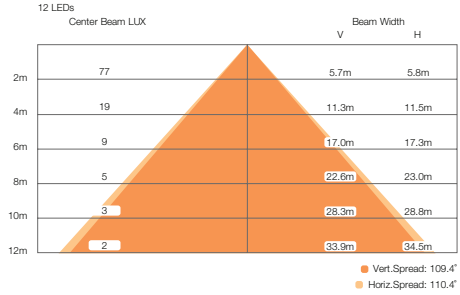
Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
12 LEDs			
3000K	799	293	102
3500K	838	306	108
4000K	885	323	112
48 LEDs			
3000K	3376	1226	112
3500K	3530	1278	116
4000K	3727	1346	120

Illuminance at a Distance

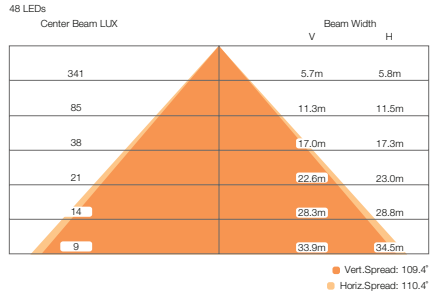
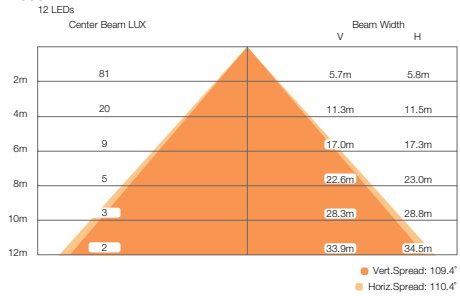
3000K



3500K



4000K



For feet multiply by 3.28F
or fc divide by 10.7

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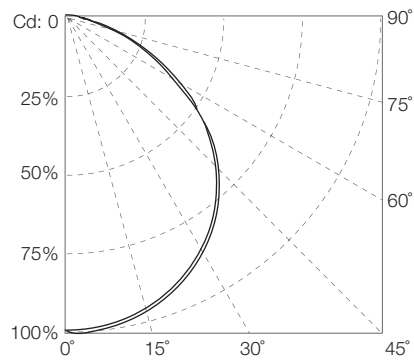
Cove Light AC DIM GII

Photometrics

Source Specifications

LED Source	White LEDs (12W/ft)
Beam Angle	120° × 120°
Color Temperature	2700K

Candela Distribution

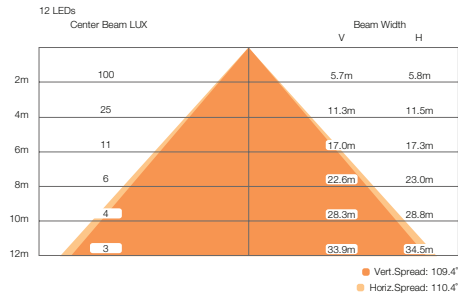


Light Output

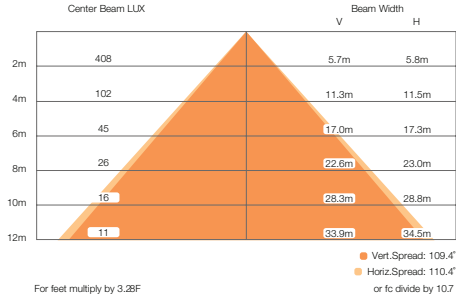
Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
12 LEDs			
2700K	1091	402	93
48 LEDs			
2700K	4464	1626	97

Illuminance at a Distance

2700K



48 LEDs



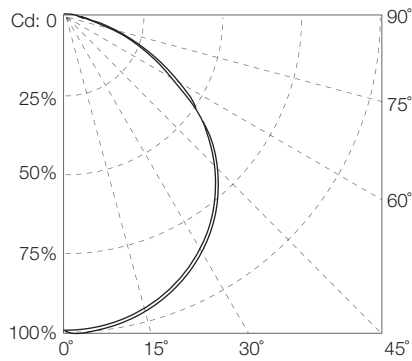
Cove Light AC DIM GII

Photometrics

Source Specifications

LED Source	White LEDs (12W/ft)
Beam Angle	120° × 120°
Color Temperature	3000K, 3500K, 4000K

Candela Distribution

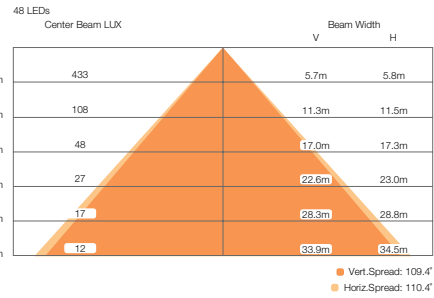
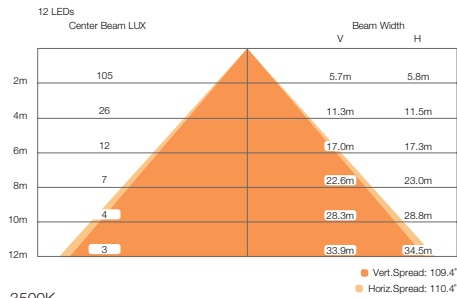


Light Output

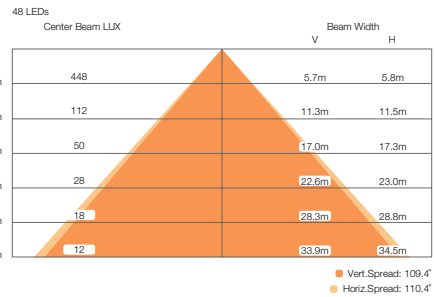
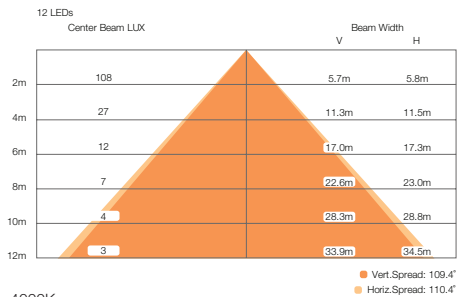
Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
12 LEDs			
3000K	1145	420	97
3500K	1185	433	101
4000K	1261	460	106
48 LEDs			
3000K	4737	1721	103
3500K	4895	1774	107
4000K	5145	1859	111

Illuminance at a Distance

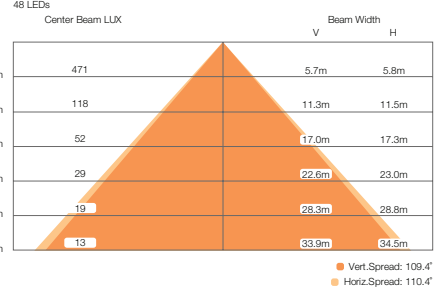
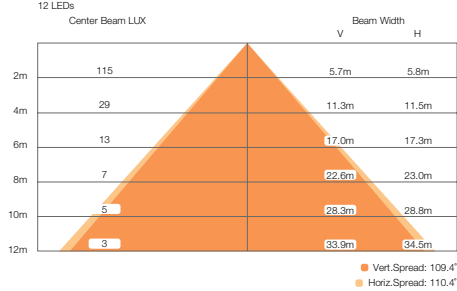
3000K



3500K



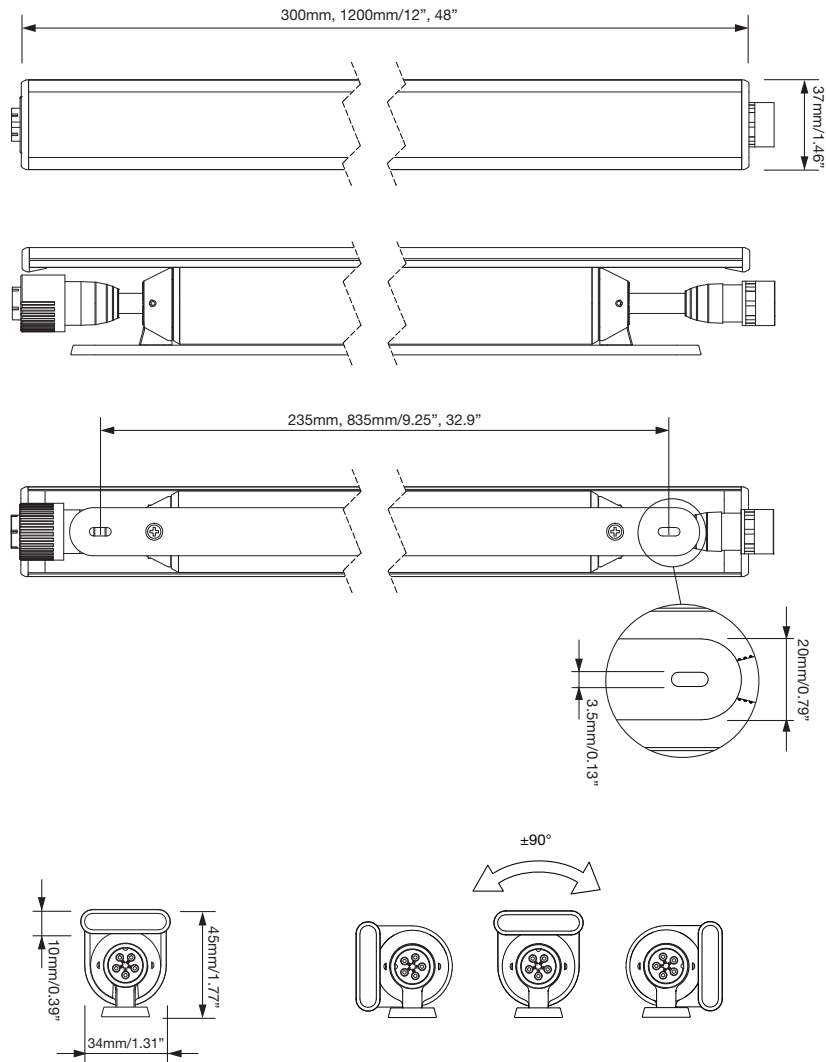
4000K

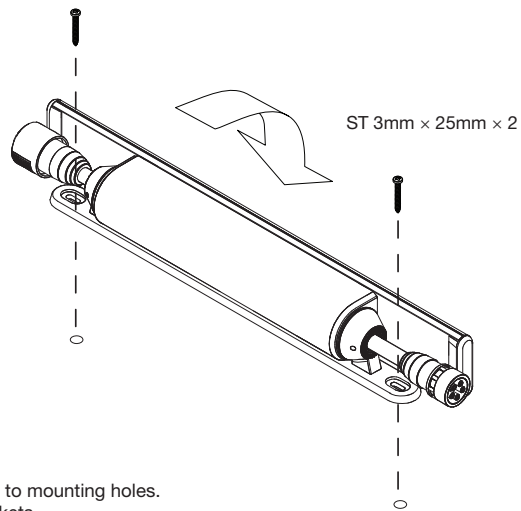


For feet multiply by 3.28F
or fc divide by 107

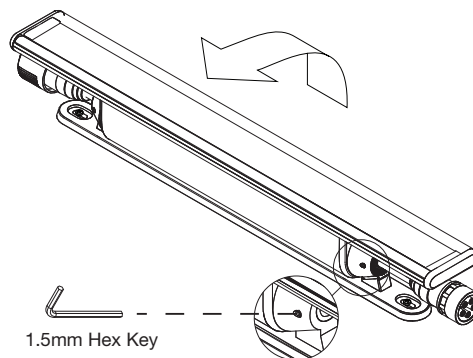
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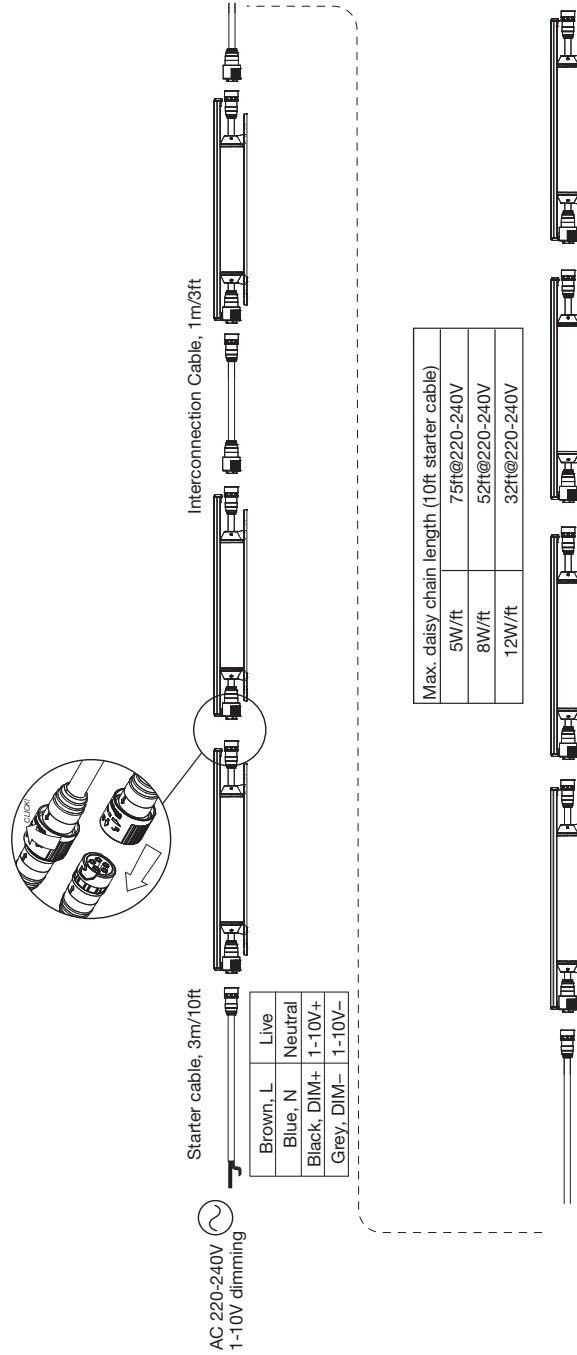




- ① Rotate fixture to gain access to mounting holes. Fix screws to mounting brackets.



- ② Rotate fixture to the intended position for permanent installation and lock unit using hex key. Do not over-tighten.





Cove Light AC DIM GII

Ordering

Model Number

MB	CC	N	0	2	NN	0	N
		Length	Dimming	Certification	CCT	Beam Angle	Version
		1: 1ft (12")	0: 1-10V	2: CE 220-240V	27: 2700K	0: 120° x 120°	2: 5W/ft
		4: 4ft (48")			30: 3000K		4: 8W/ft
					35: 3500K		5: 12W/ft
					40: 4000K		

Fixtures (5W/ft)

Model No.	Description	Item Code
MB.CC.1022702	COVELIGHT AC DIM GII 5W 2700K 120°X120° 230V CE, 1-10V DIM, 1ft	AM024080055
MB.CC.1023002	COVELIGHT AC DIM GII 5W 3000K 120°X120° 230V CE, 1-10V DIM, 1ft	AM024090055
MB.CC.1023502	COVELIGHT AC DIM GII 5W 3500K 120°X120° 230V CE, 1-10V DIM, 1ft	AM024100055
MB.CC.1024002	COVELIGHT AC DIM GII 5W 4000K 120°X120° 230V CE, 1-10V DIM, 1ft	AM024110055
MB.CC.4022702	COVELIGHT AC DIM GII 20W 2700K 120°X120° 230V CE, 1-10V DIM, 4ft	AM024120055
MB.CC.4023002	COVELIGHT AC DIM GII 20W 3000K 120°X120° 230V CE, 1-10V DIM, 4ft	AM024130055
MB.CC.4023502	COVELIGHT AC DIM GII 20W 3500K 120°X120° 230V CE, 1-10V DIM, 4ft	AM024140055
MB.CC.4024002	COVELIGHT AC DIM GII 20W 4000K 120°X120° 230V CE, 1-10V DIM, 4ft	AM024150055

Fixtures (8W/ft)

Model No.	Description	Item Code
MB.CC.1022704	COVELIGHT AC DIM GII 8W 2700K 120°X120° 230V CE 1-10V DIM, 1ft	AM262830055
MB.CC.1023004	COVELIGHT AC DIM GII 8W 3000K 120°X120° 230V CE 1-10V DIM, 1ft	AM262840055
MB.CC.1023504	COVELIGHT AC DIM GII 8W 3500K 120°X120° 230V CE 1-10V DIM, 1ft	AM262850055
MB.CC.1024004	COVELIGHT AC DIM GII 8W 4000K 120°X120° 230V CE 1-10V DIM, 1ft	AM262860055
MB.CC.4022704	COVELIGHT AC DIM GII 32W 2700K 120°X120° 230V CE 1-10V DIM, 4ft	AM262870055
MB.CC.4023004	COVELIGHT AC DIM GII 32W 3000K 120°X120° 230V CE 1-10V DIM, 4ft	AM262880055
MB.CC.4023504	COVELIGHT AC DIM GII 32W 3500K 120°X120° 230V CE 1-10V DIM, 4ft	AM262890055
MB.CC.4024004	COVELIGHT AC DIM GII 32W 4000K 120°X120° 230V CE 1-10V DIM, 4ft	AM262900055

Fixtures (12W/ft)

Model No.	Description	Item Code
MB.CC.1022705	COVELIGHT AC DIM GII 12W 2700K 120°X120° 230V CE 1-10V DIM, 1ft	AM263640055
MB.CC.1023005	COVELIGHT AC DIM GII 12W 3000K 120°X120° 230V CE 1-10V DIM, 1ft	AM263650055
MB.CC.1023505	COVELIGHT AC DIM GII 12W 3500K 120°X120° 230V CE 1-10V DIM, 1ft	AM263660055
MB.CC.1024005	COVELIGHT AC DIM GII 12W 4000K 120°X120° 230V CE 1-10V DIM, 1ft	AM263670055
MB.CC.4022705	COVELIGHT AC DIM GII 48W 2700K 120°X120° 230V CE 1-10V DIM, 4ft	AM263680055
MB.CC.4023005	COVELIGHT AC DIM GII 48W 3000K 120°X120° 230V CE 1-10V DIM, 4ft	AM263690055
MB.CC.4023505	COVELIGHT AC DIM GII 48W 3500K 120°X120° 230V CE 1-10V DIM, 4ft	AM263700055
MB.CC.4024005	COVELIGHT AC DIM GII 48W 4000K 120°X120° 230V CE 1-10V DIM, 4ft	AM263710055

Accessories

Model No.	Description	Item Code
MB.AC.0501300	Cove Light AC DIM II Starter Cable (CE), 3m/10ft	AM035930055
MB.AC.0501400	Cove Light AC DIM II Interconnection Cable (CE), 1m/3ft	AM035970055



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