



## Cove Light AC DIM GII

The Cove Light AC DIM GII is a slim profile, AC line powered highly efficient luminaire with high and low power output versions. It is designed for the perfect cove lighting and wall grazing in interior, hospitality and residential environments.



### Product Specifications

	Low Output	High Output	Low Output	High Output
<b>Light Source</b>	12 LEDs		48 LEDs	
<b>Color Temperature</b>	2200K, 2700K, 3000K, 3500K, 4000K			
<b>CRI</b>	>80Ra			
<b>SDCM</b>	2			
<b>Beam Angle</b>	120° x 120°			
<b>Luminous Flux<sup>1</sup></b>	185 - 245 lm	369 - 509 lm	789 - 1048 lm	1603 - 2198 lm
<b>Efficacy<sup>1</sup></b>	83 - 119 lm/W			
<b>Lumen Maintenance</b>	L70 @25°C - 50,000hrs			
<b>Cover Lens</b>	PC cover			
<b>Housing</b>	Aluminium			
<b>Adjustment Options</b>	±90° tilt			
<b>Dimensions (L x W x H)</b>	300mm x 37mm x 45mm 12" x 1.5" x 1.8"		1200mm x 37mm x 45mm 48" x 1.5" x 1.8"	
<b>Weight</b>	0.4kg / 0.9lbs		1.3kg / 2.9lbs	
<b>Regulatory Listing &amp; Safety Approval</b>	Electrical Protection Class II, cETLus			
<b>Operating Temperature</b>	-20°C to +50°C / -4°F to +122°F			
<b>Storage Temperature</b>	-40°C to +70°C / -40°F to +158°F			
<b>Environment</b>	Indoor (IP20)			
<b>Humidity</b>	90%, non-condensing			

### Electrical Specifications

<b>Input Voltage<sup>2</sup></b>	120-277V AC 50/60Hz			
<b>Power Consumption</b>	2.5W	5W	9.5W	19W
<b>Power Factor</b>	≥ 0.9 @120V			

### System Specifications

<b>Power</b>	AC line			
<b>Control<sup>3</sup></b>	1-10V dimming, 5%-100%, 0.2mA dimming current			
<b>Power Supply</b>	Built-in			
<b>Fixture Interconnection<sup>4</sup></b>	150ft @120V AC 300ft @277V AC	100ft @120V AC 200ft @277V AC	150ft @120V AC 300ft @277V AC	100ft @120V AC 200ft @277V AC

1. Range is respective to color temperature from 2200K - 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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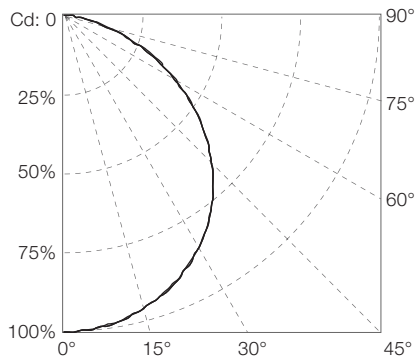
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## Cove Light AC DIM GII

### Source Specifications

LED Source	White LEDs (High Output)
Beam Angle	120° × 120°
Color Temperature	2200K, 2700K

### Candela Distribution

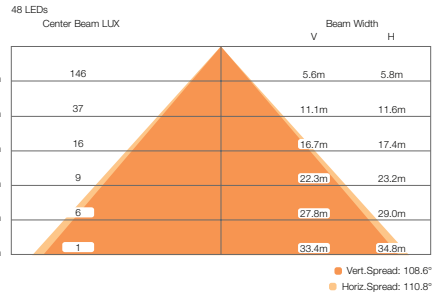
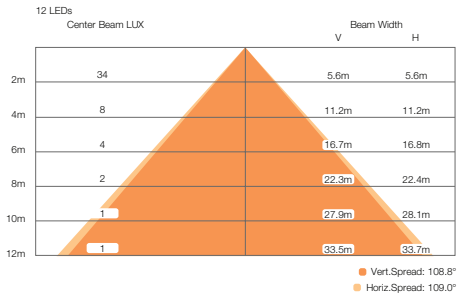


### Light Output

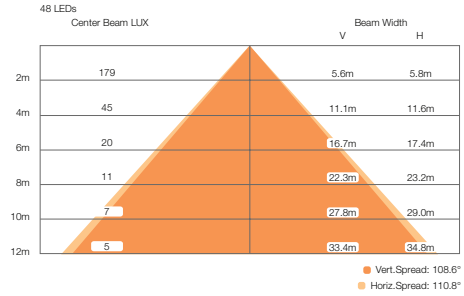
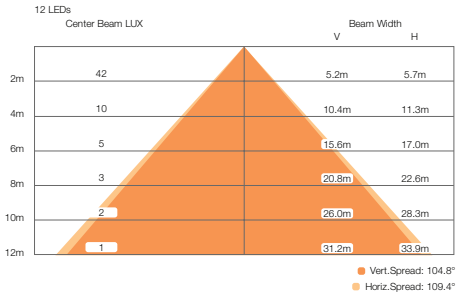
Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
<b>12 LEDs</b>			
2200K	369	135.7	83
2700K	451.6	167.5	95
<b>48 LEDs</b>			
2200K	1603.2	586.2	87
2700K	1960	716.6	106

### Illuminance at a Distance

#### 2200K



#### 2700K

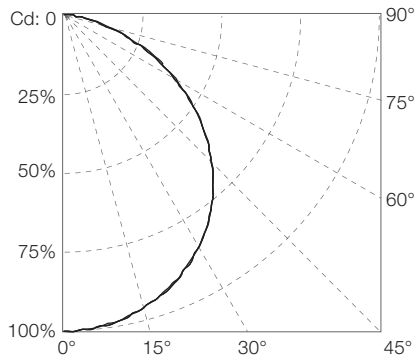


## Cove Light AC DIM GII

### Source Specifications

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

### Candela Distribution

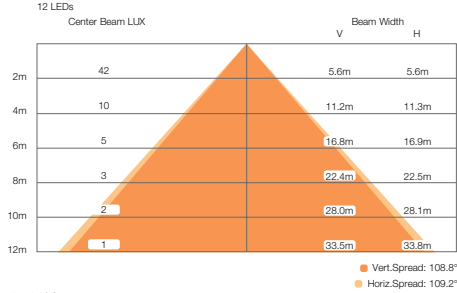


### Light Output

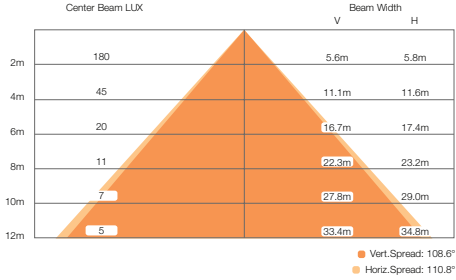
Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
<b>12 LEDs</b>			
3000K	456	167.5	106
3500K	486.8	178.3	110
4000K	508.6	185.9	113
<b>48 LEDs</b>			
3000K	1976	722.5	107
3500K	2109	768	110
4000K	2198	800.3	115

### Illuminance at a Distance

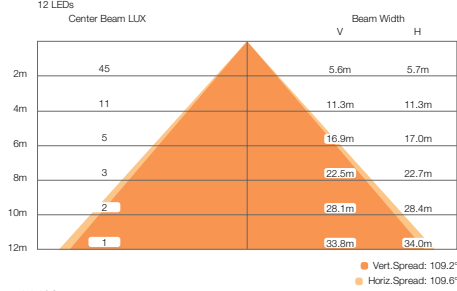
3000K



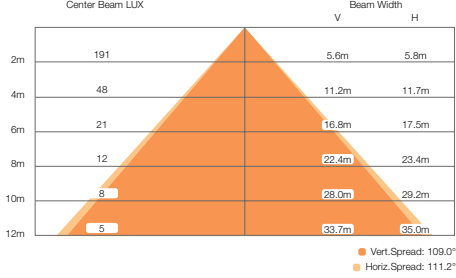
48 LEDs



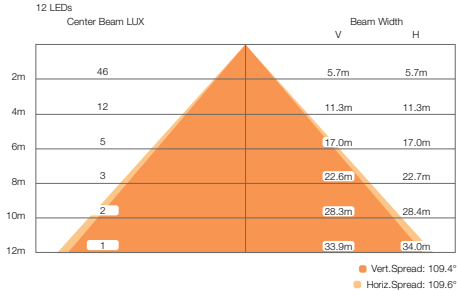
3500K



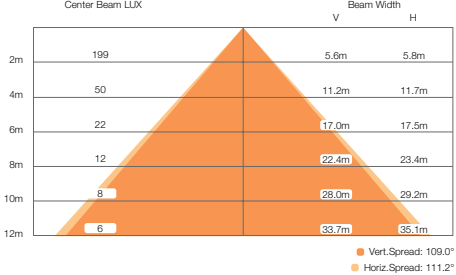
48 LEDs



4000K



48 LEDs



For feet multiply by 3.28

For fc divide by 10.7

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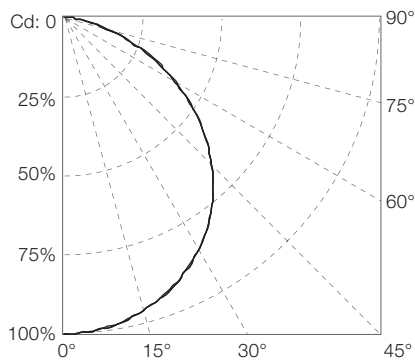
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## Cove Light AC DIM GII

### Source Specifications

LED Source	White LEDs (Low Output)
Beam Angle	120° × 120°
Color Temperature	2200K, 2700K

### Candela Distribution

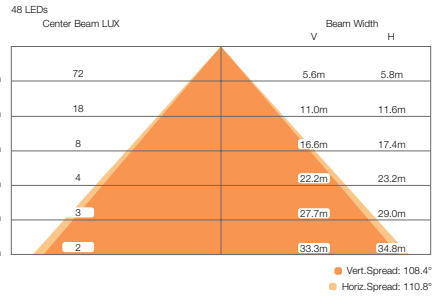
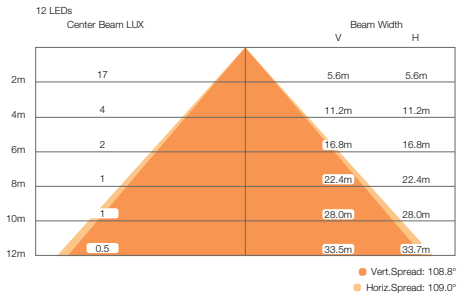


### Light Output

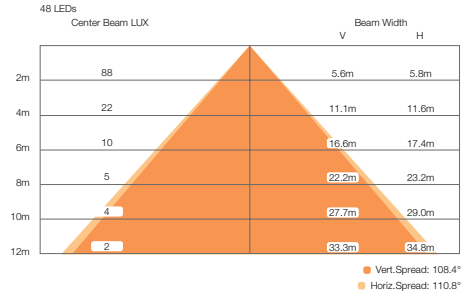
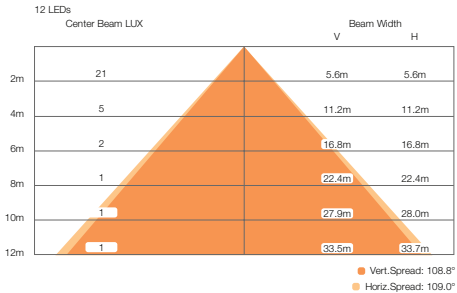
Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
<b>12 LEDs</b>			
2200K	184.5	67.9	78
2700K	225.8	83.1	95.4
<b>48 LEDs</b>			
2200K	788.7	287.8	90
2700K	965.4	352.3	106.3

### Illuminance at a Distance

#### 2200K



#### 2700K

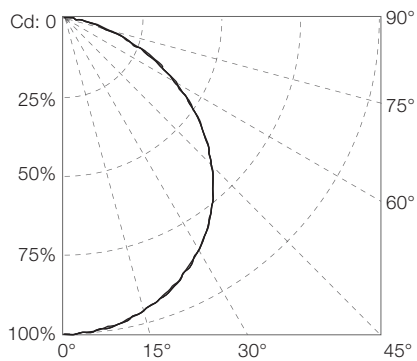


## Cove Light AC DIM GII

### Source Specifications

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

### Candela Distribution

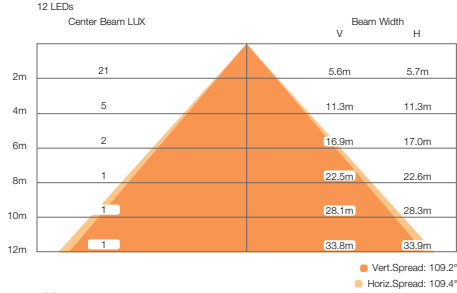


### Light Output

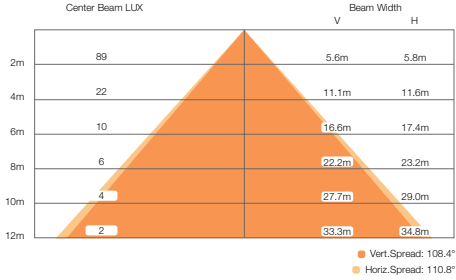
Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
<b>12 LEDs</b>			
3000K	228.0	83.5	95
3500K	244.2	89.4	101
4000K	245.2	89.4	105
<b>48 LEDs</b>			
3000K	974.8	355.7	111
3500K	1043.8	380.9	119
4000K	1048.3	382.6	119

### Illuminance at a Distance

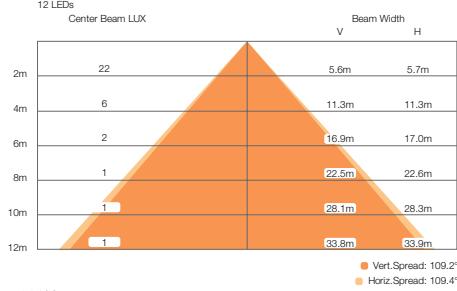
3000K



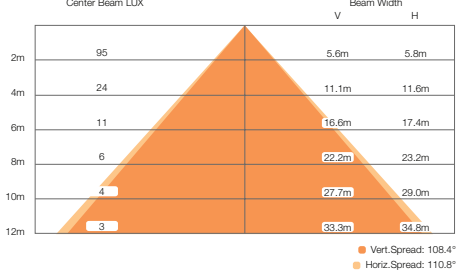
48 LEDs



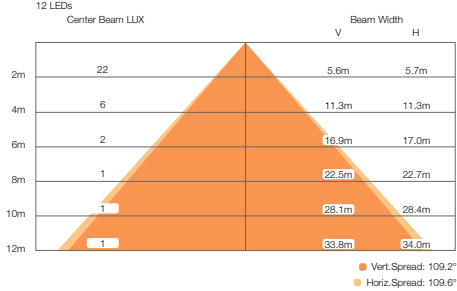
3500K



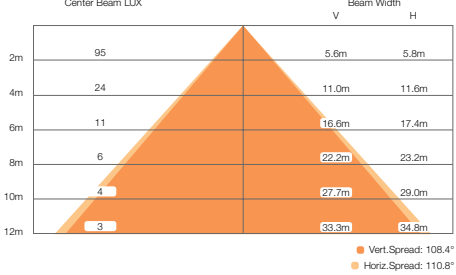
48 LEDs



4000K



48 LEDs

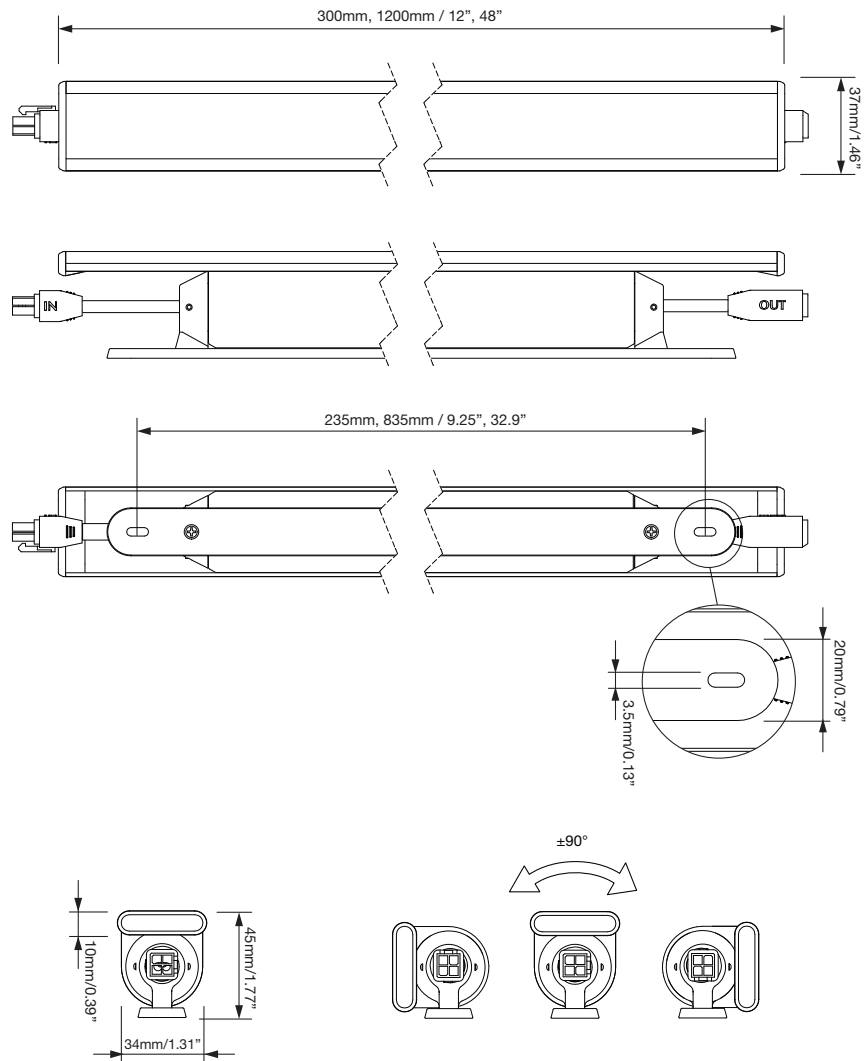


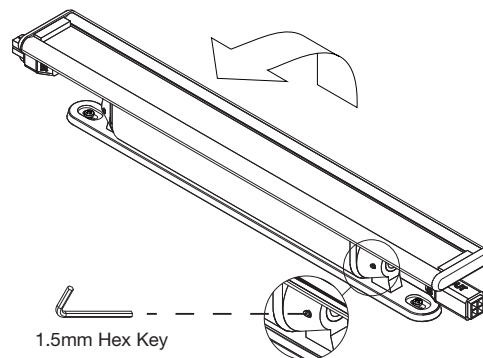
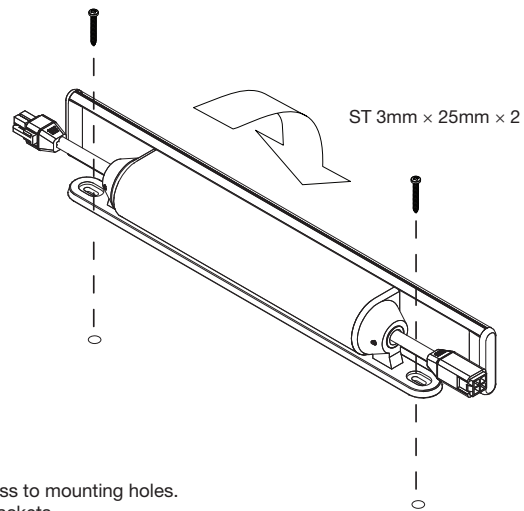
For feet multiply by 3.28

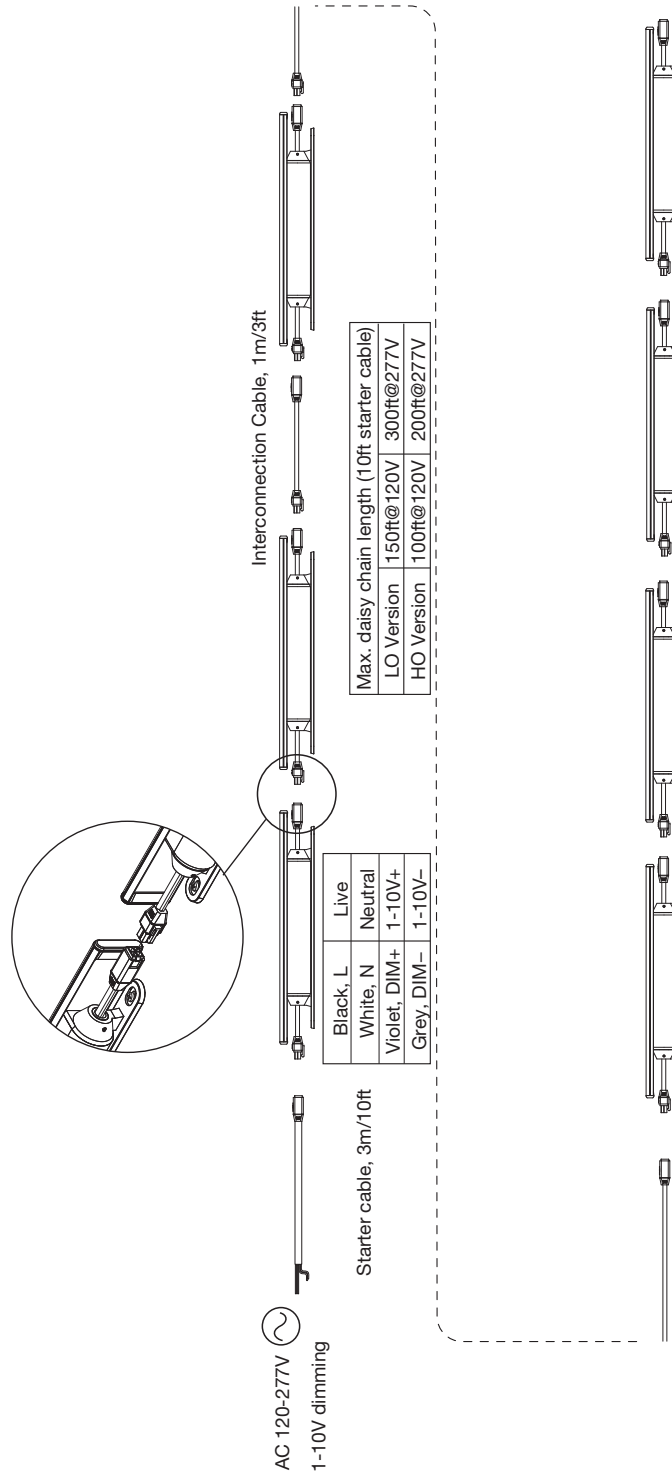
For fc divide by 10.7

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## Cove Light AC DIM GII

Ordering

### Model Number

MB	CC	N	0	1	NN	0	N
		Length	Dimming	Certification	CCT	Beam Angle	Version
		1: 1ft (12")	0: 1-10V	1: ETL 120V/277V	22: 2200K	0: 120° × 120°	1: Low Output
		4: 4ft (48")			27: 2700K		2: High Output
					30: 3000K		
					35: 3500K		
					40: 4000K		

### Fixtures 120V / 277V

Model No.	Description	Item Code
MB.CC.1012201	Cove Light AC DIM GII LO 2200K 120°X120° 120V/277V ETL, 1-10V DIM, 1ft	AM024170055
MB.CC.1012701	Cove Light AC DIM GII LO 2700K 120°X120° 120V/277V ETL, 1-10V DIM, 1ft	AM024180055
MB.CC.1013001	Cove Light AC DIM GII LO 3000K 120°X120° 120V/277V ETL, 1-10V DIM, 1ft	AM024190055
MB.CC.1013501	Cove Light AC DIM GII LO 3500K 120°X120° 120V/277V ETL, 1-10V DIM, 1ft	AM024200055
MB.CC.1014001	Cove Light AC DIM GII LO 4000K 120°X120° 120V/277V ETL, 1-10V DIM, 1ft	AM024210055
MB.CC.4012201	Cove Light AC DIM GII LO 2200K 120°X120° 120V/277V ETL, 1-10V DIM, 4ft	AM024270055
MB.CC.4012701	Cove Light AC DIM GII LO 2700K 120°X120° 120V/277V ETL, 1-10V DIM, 4ft	AM024280055
MB.CC.4013001	Cove Light AC DIM GII LO 3000K 120°X120° 120V/277V ETL, 1-10V DIM, 4ft	AM024290055
MB.CC.4013501	Cove Light AC DIM GII LO 3500K 120°X120° 120V/277V ETL, 1-10V DIM, 4ft	AM024300055
MB.CC.4014001	Cove Light AC DIM GII LO 4000K 120°X120° 120V/277V ETL, 1-10V DIM, 4ft	AM024310055
MB.CC.1012202	Cove Light AC DIM GII HO 2200K 120°X120° 120V/277V ETL, 1-10V DIM, 1ft	AM024220055
MB.CC.1012702	Cove Light AC DIM GII HO 2700K 120°X120° 120V/277V ETL, 1-10V DIM, 1ft	AM024230055
MB.CC.1013002	Cove Light AC DIM GII HO 3000K 120°X120° 120V/277V ETL, 1-10V DIM, 1ft	AM024240055
MB.CC.1013502	Cove Light AC DIM GII HO 3500K 120°X120° 120V/277V ETL, 1-10V DIM, 1ft	AM024250055
MB.CC.1014002	Cove Light AC DIM GII HO 4000K 120°X120° 120V/277V ETL, 1-10V DIM, 1ft	AM024260055
MB.CC.4012202	Cove Light AC DIM GII HO 2200K 120°X120° 120V/277V ETL, 1-10V DIM, 4ft	AM024320055
MB.CC.4012702	Cove Light AC DIM GII HO 2700K 120°X120° 120V/277V ETL, 1-10V DIM, 4ft	AM024020055
MB.CC.4013002	Cove Light AC DIM GII HO 3000K 120°X120° 120V/277V ETL, 1-10V DIM, 4ft	AM024030055
MB.CC.4013502	Cove Light AC DIM GII HO 3500K 120°X120° 120V/277V ETL, 1-10V DIM, 4ft	AM024040055
MB.CC.4014002	Cove Light AC DIM GII HO 4000K 120°X120° 120V/277V ETL, 1-10V DIM, 4ft	AM024050055

### Accessories

Model No.	Description	Item Code
MB.AC.0501100	Cove Light AC DIM GII Starter Cable 4-wire UL, 3m/9.8ft	AB440080055
MB.AC.0501200	Cove Light AC DIM GII Interconnection Cable 4-wire UL, 1m/3.3ft	AB440110055



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