



## 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 and wall grazing in interior, hospitality and residential environments.



IP20

### Product Specifications

<b>Light Source</b>	12 LEDs	48 LEDs
<b>Color Temperature</b>	2700K, 3000K, 3500K, 4000K	
<b>CRI</b>	>80Ra	
<b>SDCM</b>	2	
<b>Beam Angle</b>	60° × 10°, 60° × 30°, Asymmetric	
<b>Luminous Flux<sup>1</sup></b>	344 - 420 lm	1524 - 1845 lm
<b>Efficacy<sup>1</sup></b>	78 - 97 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 × W × H)</b>	300mm × 37mm × 55mm 12" × 1.5" × 2.1"	1200mm × 37mm × 55mm 48" × 1.5" × 2.1"
<b>Weight</b>	0.4kg / 0.9lbs	1.4kg / 3.1lbs
<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>	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 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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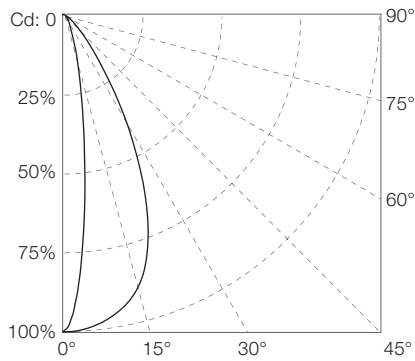
## Cove Light AC DIM GII

## Photometrics

### Source Specifications

LED Source	White LEDs (High Output)
Beam Angle	60° × 10°
Color Temperature	2700K, 3000K

### Candela Distribution

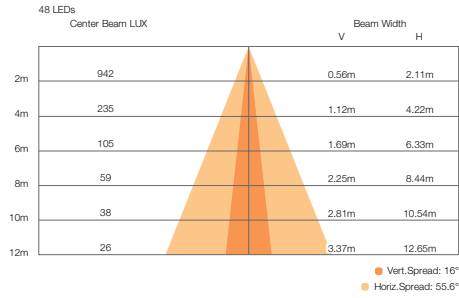
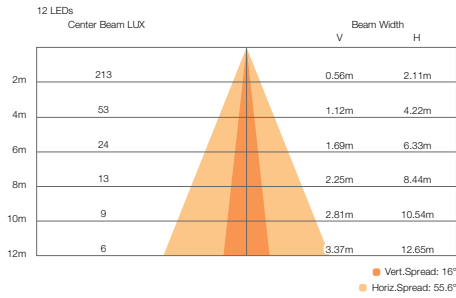


### Light Output

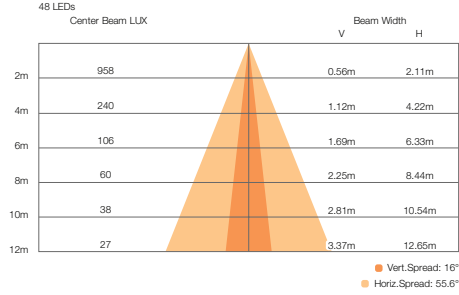
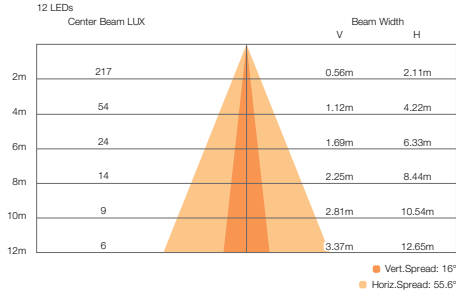
Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
<b>12 LEDs</b>			
2700K	366	851	78
3000K	374	868	80
<b>48 LEDs</b>			
2700K	1621	3767	85
3000K	1650	3833	87

### Illuminance at a Distance

#### 2700K



#### 3000K



For feet multiply by 3.28

For ft. divide by 10.7

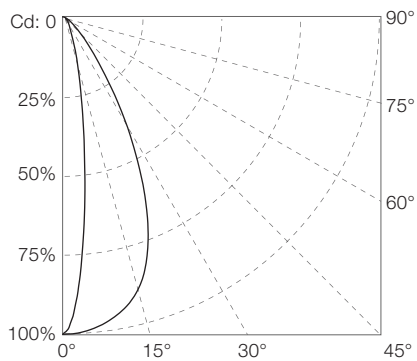
## Cove Light AC DIM GII

## Photometrics

### Source Specifications

LED Source	White LEDs (High Output)
Beam Angle	60° × 10°
Color Temperature	3500K, 4000K

### Candela Distribution

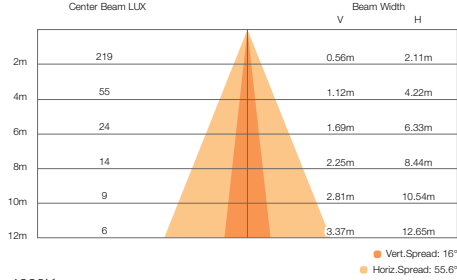


### Light Output

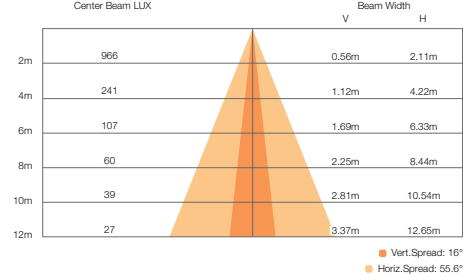
Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
<b>12 LEDs</b>			
3500K	377	877	80
4000K	380	883	81
<b>48 LEDs</b>			
3500K	1664	3863	88
4000K	1669	3876	88

### Illuminance at a Distance

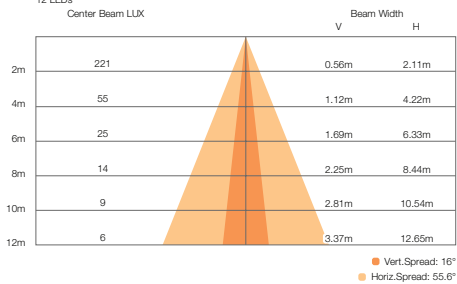
#### 3500K



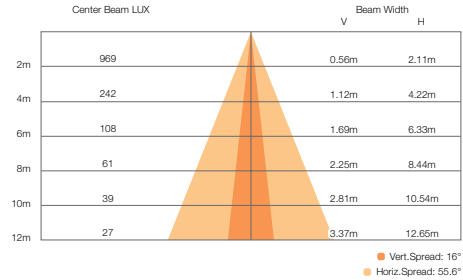
#### 48 LEDs



#### 4000K



#### 48 LEDs



For feet multiply by 3.28

For fc divide by 10.7

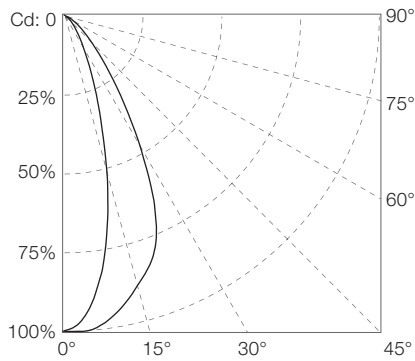
## Cove Light AC DIM GII

## Photometrics

### Source Specifications

LED Source	White LEDs (High Output)
Beam Angle	60° × 30°
Color Temperature	2700K, 3000K

### Candela Distribution

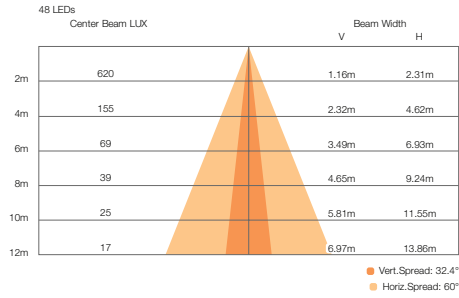
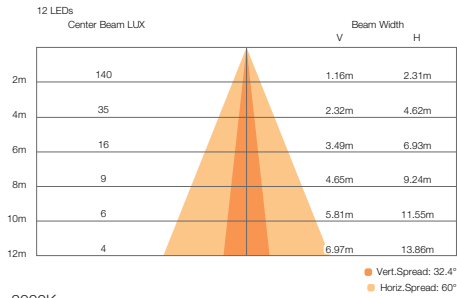


### Light Output

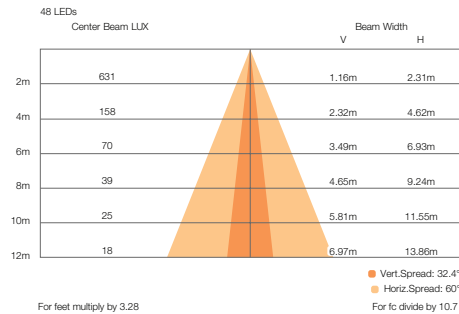
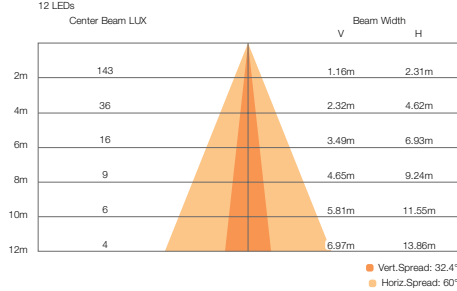
Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
<b>12 LEDs</b>			
2700K	405	562	86
3000K	413	573	88
<b>48 LEDs</b>			
2700K	1792	2486	94
3000K	1824	2530	96

### Illuminance at a Distance

#### 2700K



#### 3000K



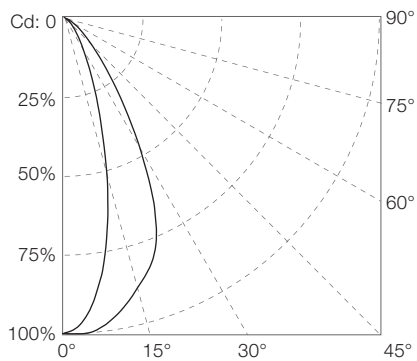
## Cove Light AC DIM GII

## Photometrics

### Source Specifications

LED Source	White LEDs (High Output)
Beam Angle	60° × 30°
Color Temperature	3500K, 4000K

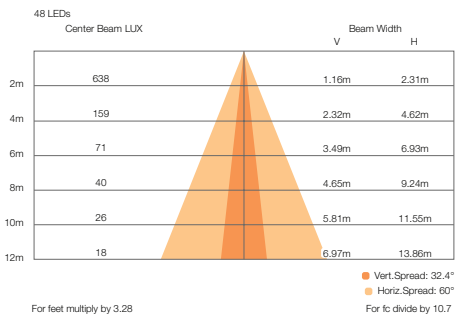
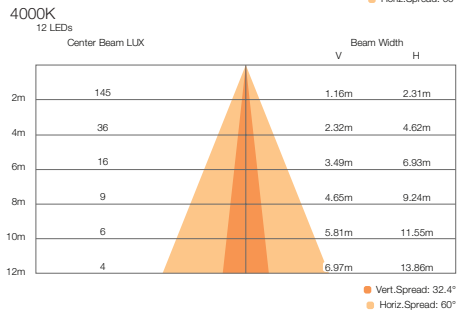
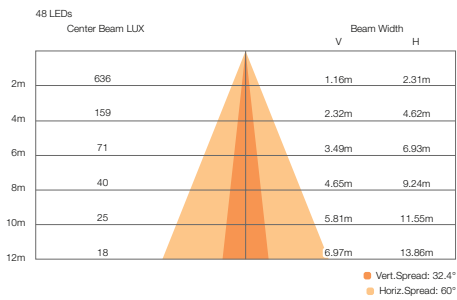
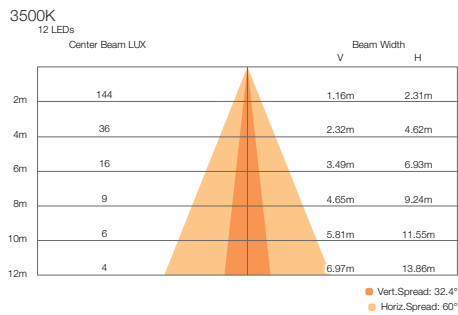
### Candela Distribution



### Light Output

Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
<b>12 LEDs</b>			
3500K	417	578	89
4000K	420	582	89
<b>48 LEDs</b>			
3500K	1839	2551	97
4000K	1845	2558	97

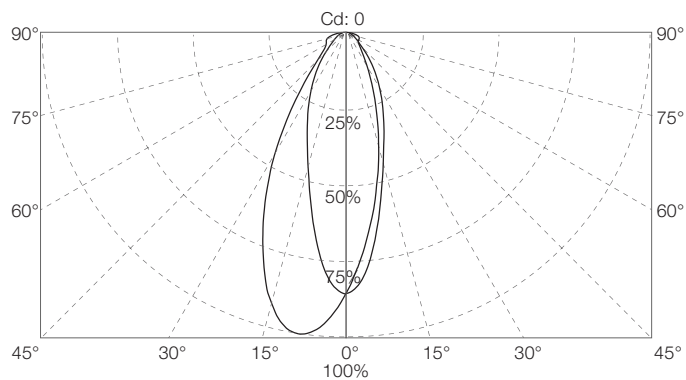
### Illuminance at a Distance



### Source Specifications

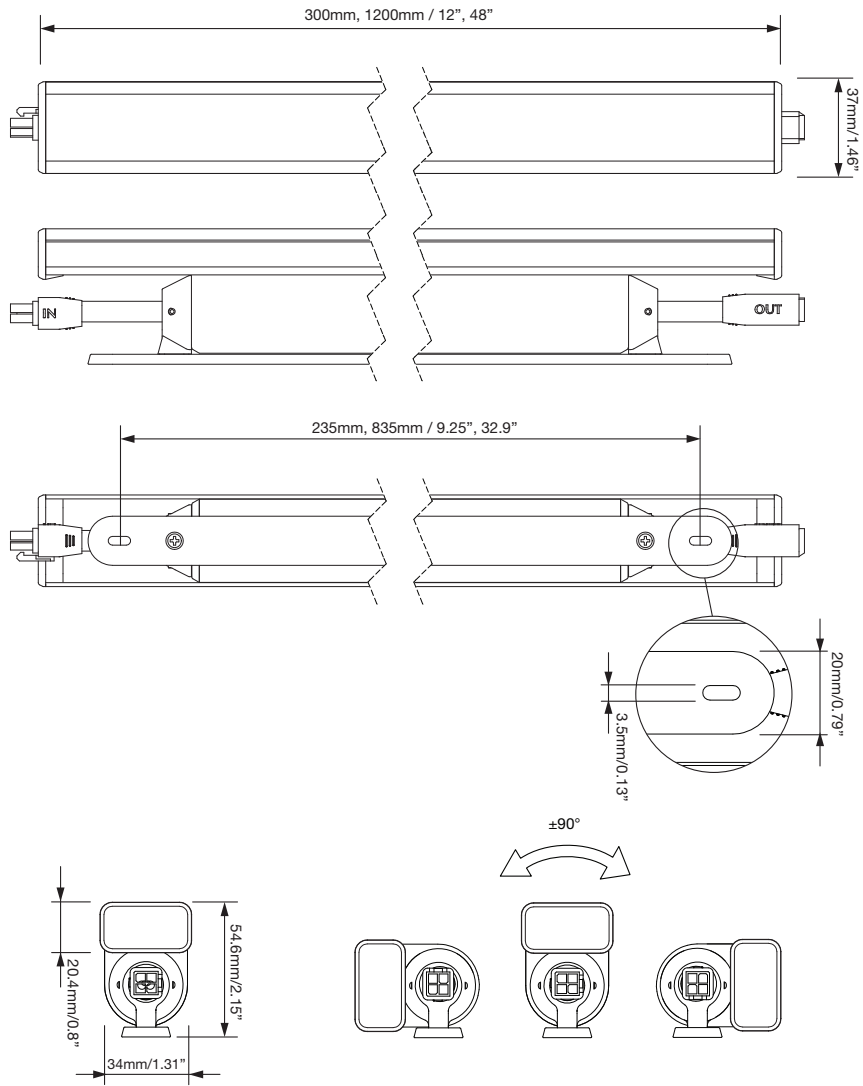
LED Source	White LEDs (High Output)
Beam Angle	Asymmetric
Color Temperature	2700K, 3000K, 3500K, 4000K

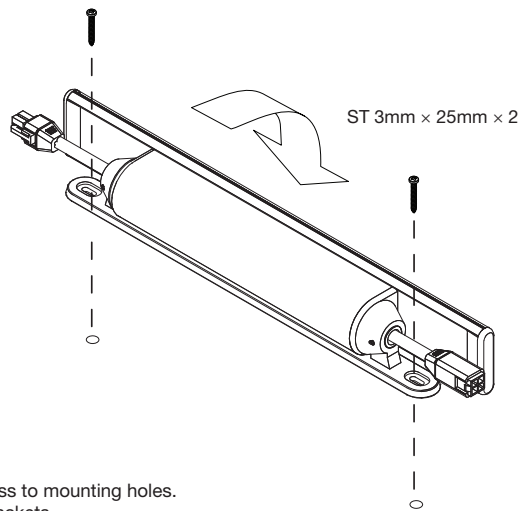
### Candela Distribution



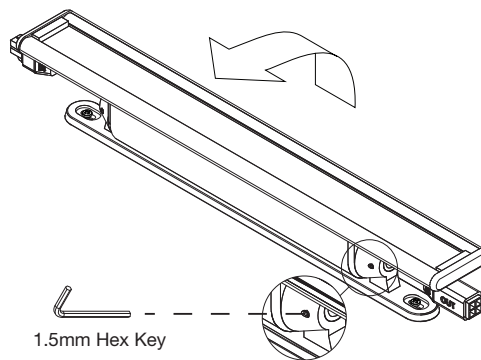
### Light Output

Color Temperature	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
<b>12 LEDs</b>			
2700K	344	522	73
3000K	351	532	75
3500K	355	537	76
4000K	357	541	76
<b>48 LEDs</b>			
2700K	1524	2309	80
3000K	1551	2350	82
3500K	1564	2368	82
4000K	1569	2377	83



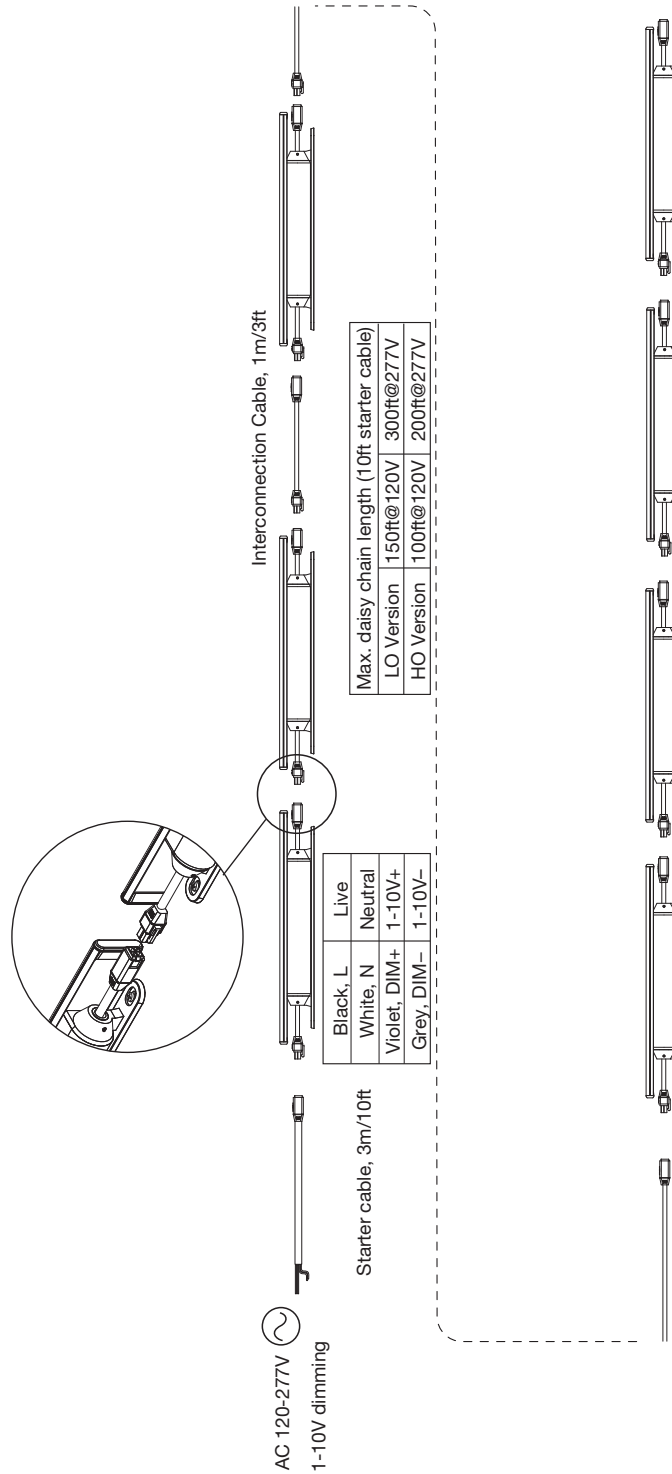


- ① Rotate fixture to gain access to mounting holes. Fix screws to mounting brackets.



- 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	1	NN	N	N
		Length	Dimming	Certification	CCT	Beam Angle	Version
		1: 1ft (12")	0: 1-10V	1: ETL 120V/277V	27: 2700K	1: 60° x 10°	2: High Output
		4: 4ft (48")			30: 3000K	3: 60° x 30°	
					35: 3500K	9: Asymmetric	
					40: 4000K		

### Fixtures 120V / 277V (60° x 10°)

Model No.	Description	Item Code
MB.CC.1012712	COVELIGHT AC DIM GII HO 2700K 60° x 10° 120V/277V ETL, 1-10V DIM, 1ft	AM058810055
MB.CC.1013012	COVELIGHT AC DIM GII HO 3000K 60° x 10° 120V/277V ETL, 1-10V DIM, 1ft	AM058820055
MB.CC.1013512	COVELIGHT AC DIM GII HO 3500K 60° x 10° 120V/277V ETL, 1-10V DIM, 1ft	AM058830055
MB.CC.1014012	COVELIGHT AC DIM GII HO 4000K 60° x 10° 120V/277V ETL, 1-10V DIM, 1ft	AM058840055
MB.CC.4012712	COVELIGHT AC DIM GII HO 2700K 60° x 10° 120V/277V ETL, 1-10V DIM, 4ft	AM058690055
MB.CC.4013012	COVELIGHT AC DIM GII HO 3000K 60° x 10° 120V/277V ETL, 1-10V DIM, 4ft	AM058700055
MB.CC.4013512	COVELIGHT AC DIM GII HO 3500K 60° x 10° 120V/277V ETL, 1-10V DIM, 4ft	AM058710055
MB.CC.4014012	COVELIGHT AC DIM GII HO 4000K 60° x 10° 120V/277V ETL, 1-10V DIM, 4ft	AM058740055

### Fixtures 120V / 277V (60° x 30°)

Model No.	Description	Item Code
MB.CC.1012732	COVELIGHT AC DIM GII HO 2700K 60° x 30° 120V/277V ETL, 1-10V DIM, 1ft	AM058850055
MB.CC.1013032	COVELIGHT AC DIM GII HO 3000K 60° x 30° 120V/277V ETL, 1-10V DIM, 1ft	AM058860055
MB.CC.1013532	COVELIGHT AC DIM GII HO 3500K 60° x 30° 120V/277V ETL, 1-10V DIM, 1ft	AM058870055
MB.CC.1014032	COVELIGHT AC DIM GII HO 4000K 60° x 30° 120V/277V ETL, 1-10V DIM, 1ft	AM058880055
MB.CC.4012732	COVELIGHT AC DIM GII HO 2700K 60° x 30° 120V/277V ETL, 1-10V DIM, 4ft	AM058750055
MB.CC.4013032	COVELIGHT AC DIM GII HO 3000K 60° x 30° 120V/277V ETL, 1-10V DIM, 4ft	AM058760055
MB.CC.4013532	COVELIGHT AC DIM GII HO 3500K 60° x 30° 120V/277V ETL, 1-10V DIM, 4ft	AM058730055
MB.CC.4014032	COVELIGHT AC DIM GII HO 4000K 60° x 30° 120V/277V ETL, 1-10V DIM, 4ft	AM058720055

### Fixtures 120V / 277V (Asymmetric)

Model No.	Description	Item Code
MB.CC.1012792	COVELIGHT AC DIM GII HO 2700K Asymmetric 120V/277V ETL, 1-10V DIM, 1ft	AM058890055
MB.CC.1013092	COVELIGHT AC DIM GII HO 3000K Asymmetric 120V/277V ETL, 1-10V DIM, 1ft	AM058900055
MB.CC.1013592	COVELIGHT AC DIM GII HO 3500K Asymmetric 120V/277V ETL, 1-10V DIM, 1ft	AM058910055
MB.CC.1014092	COVELIGHT AC DIM GII HO 4000K Asymmetric 120V/277V ETL, 1-10V DIM, 1ft	AM058920055
MB.CC.4012792	COVELIGHT AC DIM GII HO 2700K Asymmetric 120V/277V ETL, 1-10V DIM, 4ft	AM058770055
MB.CC.4013092	COVELIGHT AC DIM GII HO 3000K Asymmetric 120V/277V ETL, 1-10V DIM, 4ft	AM058780055
MB.CC.4013592	COVELIGHT AC DIM GII HO 3500K Asymmetric 120V/277V ETL, 1-10V DIM, 4ft	AM058790055
MB.CC.4014092	COVELIGHT AC DIM GII HO 4000K Asymmetric 120V/277V ETL, 1-10V DIM, 4ft	AM058800055

### 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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