



Cove Light AC HO RGB Graze

The Cove Light AC HO RGB Graze is a slim profile, AC line powered high brightness luminaire. The luminaire is controllable via DMX512 and perfect for alcove applications. The simplicity of the luminaire's topology means it can be simply daisy-chained to form long runs.



IP40

Product Specifications

	HO-9	HO-36
Light Source	9 LEDs	36 LEDs
Color	Red - Green - Blue	
Color Range	16.7 million additive RGB colors	
Color Resolution	14-bit (Gamma correction)	
Beam Angle	50°x10°; 60°x30°	
Luminous Flux	281 lm	1081 lm
Efficacy	23 lm/W	
Lumen Maintenance	L70 @25°C - 80,000hrs	
Cover Lens	Clear PC cover	
Housing	Aluminium extrusion	
Adjustment Options	±90° tilt	
Dimensions (L x W x H)	304 x 38 x 60mm 12" x 1.5" x 2.4"	1217 x 38 x 60mm 48" x 1.5" x 2.4"
Weight	0.55kg/1.2lbs	2kg/4.4lbs
Regulatory Listing & Safety Approval	Electrical Protection Class I, 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 (IP40)	
Humidity	90%, non-condensing	

Electrical Specifications

Input Voltage	120V, 277V AC 50/60Hz	
Power Consumption	12.5W max.	50W max.
Power Factor	≥ 0.9	

System Specifications

Power	AC line
Control	DMX512; 3x DMX512 addresses per fixture (R-G-B)
Power Supply	Built-in
Fixture Interconnection	Up to 32 units, 5.9A per run max.

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.

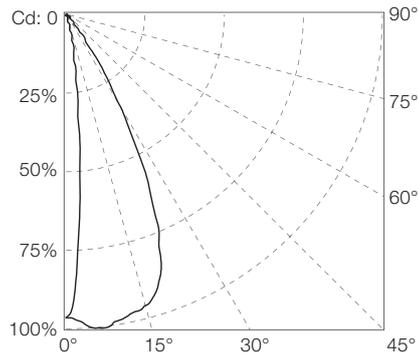
www.traxontechnologies.com

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Source Specifications

Optics	50°x10°
Cover Lens	Clear PC Cover

Candela Distribution

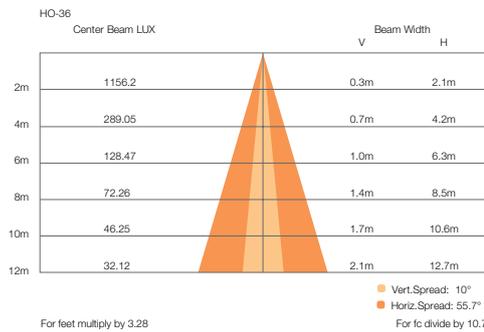
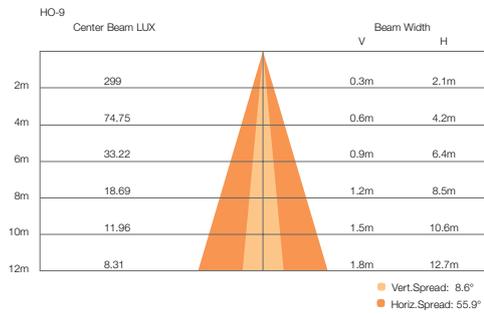


Light Output

Color	Luminous Flux (lm)	Candela Distribution @100%	Power	Efficacy (lm/W)
HO-9				
White (full on)	280.88	1318.59	12.62	22.27
HO-36				
White (full on)	1081.24	4624.81	43.50	24.86

Diagram based on Cove Light AC HO-9 RGB Graze

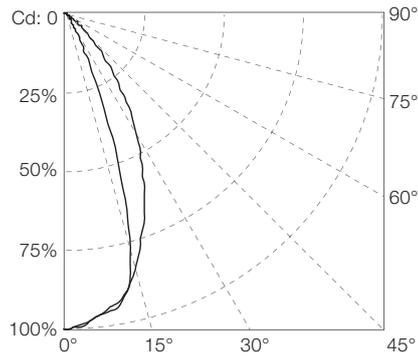
Illuminance at a Distance



Source Specifications

Optics	60°x30°
Cover Lens	Clear PC Cover

Candela Distribution

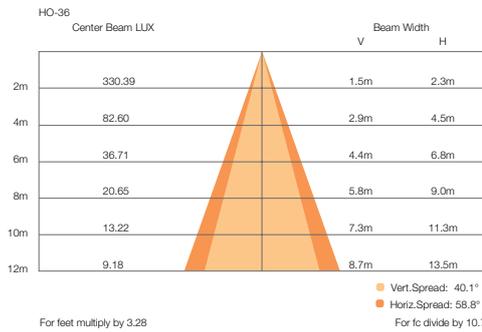
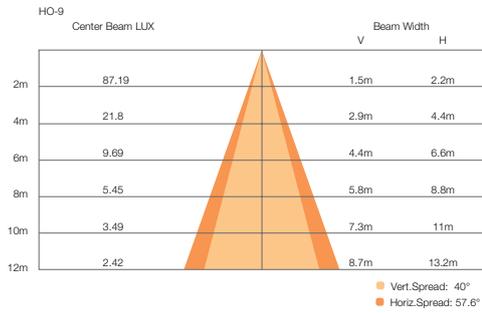


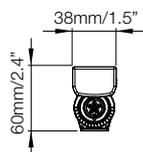
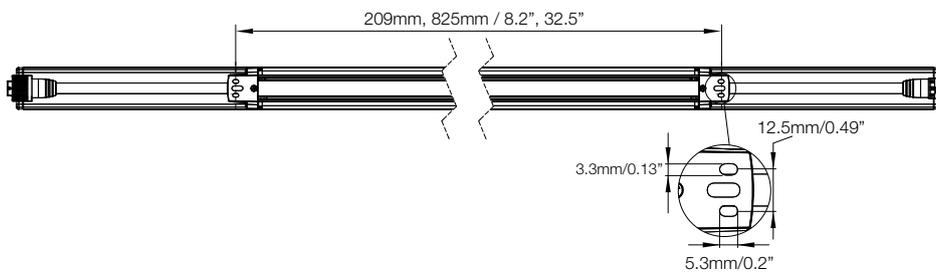
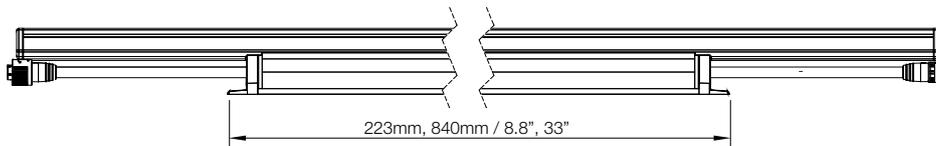
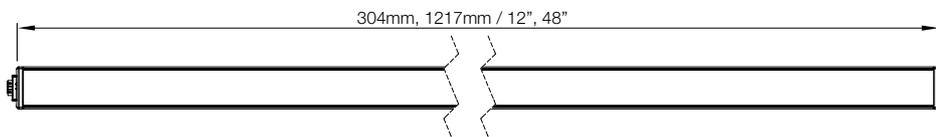
Light Output

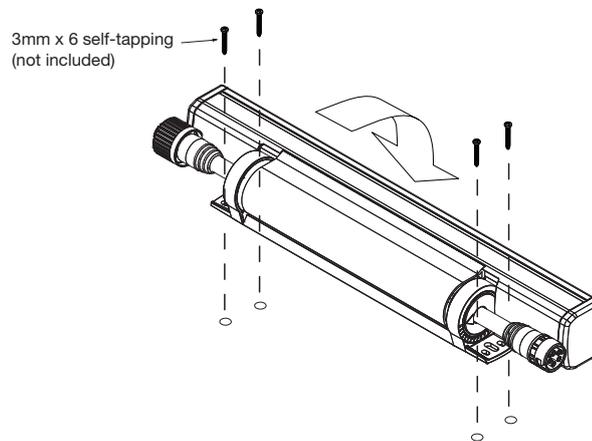
Color	Luminous Flux (lm)	Candela Distribution @100%	Power	Efficacy (lm/W)
HO-9				
White (full on)	255.86	348.75	10.3	24.83
HO-36				
White (full on)	993.99	1324.55	41.3	24.07

Diagram based on Cove Light AC HO-9 RGB Graze

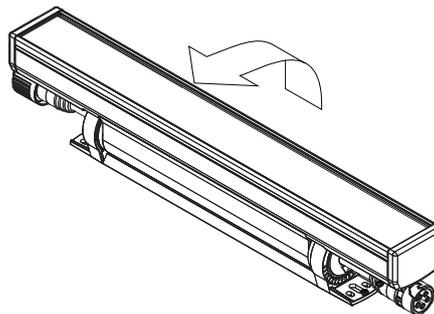
Illuminance at a Distance

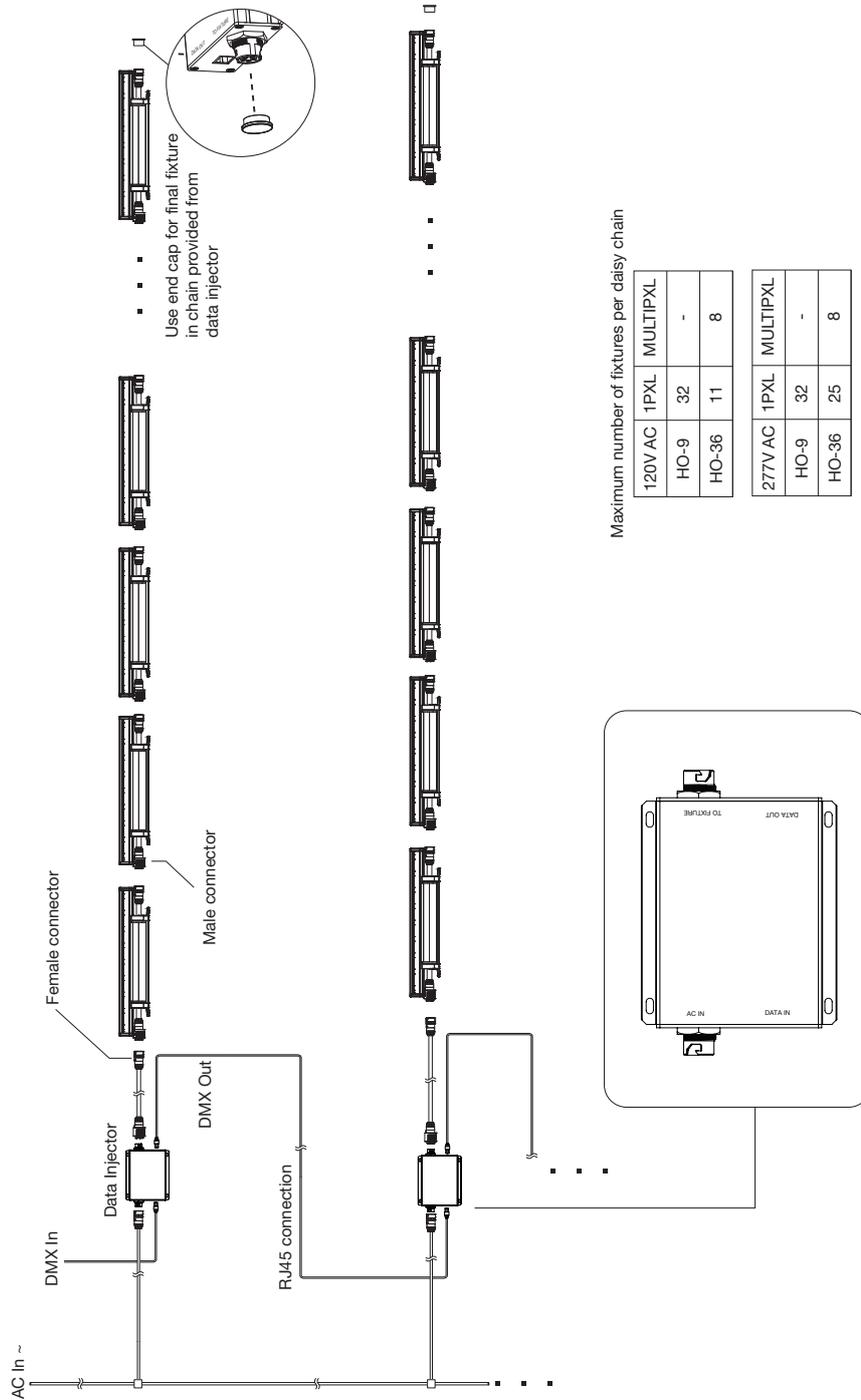






- ① Rotate fixture to gain access to mounting holes.
Fix screws to mounting brackets.





Maximum number of fixtures per daisy chain

120V AC	1PXL	MULTIPXL
HO-9	32	-
HO-36	11	8

277V AC	1PXL	MULTIPXL
HO-9	32	-
HO-36	25	8



Cove Light AC HO RGB Graze

Ordering

Fixtures (MULTI-PXL version) 120V

Model No.	Description	Item Code
MB.CB.3611031	Cove Light AC HO-36 RGB 60X30deg 120V	AB332990055
MB.CB.3611061	Cove Light AC HO-36 RGB 50X10deg 120V	AB333000055

Fixtures (1PXL version) 120V

Model No.	Description	Item Code
MB.CB.091103A	Cove Light AC HO-9 RGB 60X30deg 1PXL 120V	AB332870055
MB.CB.091106A	Cove Light AC HO-9 RGB 50X10deg 1PXL 120V	AB332880055
MB.CB.361103A	Cove Light AC HO-36 RGB 60X30deg 1PXL 120V	AB332890055
MB.CB.361106A	Cove Light AC HO-36 RGB 50X10deg 1PXL 120V	AB332900055

Fixtures (MULTI-PXL version) 277V

Model No.	Description	Item Code
MB.CB.3671031	Cove Light AC HO-36 RGB 60X30deg 277V	AB333030055
MB.CB.3671061	Cove Light AC HO-36 RGB 50X10deg 277V	AB333040055

Fixtures (1PXL version) 277V

Model No.	Description	Item Code
MB.CB.097103A	Cove Light AC HO-9 RGB 60X30deg 1PXL 277V	AB332950055
MB.CB.097106A	Cove Light AC HO-9 RGB 50X10deg 1PXL 277V	AB332960055
MB.CB.367103A	Cove Light AC HO-36 RGB 60X30deg 1PXL 277V	AB332970055
MB.CB.367106A	Cove Light AC HO-36 RGB 50X10deg 1PXL 277V	AB332980055

Accessories

Model No.	Description	Item Code
MB.AC.2000100	Cove Light AC HO RGBW Starter Cable (UL),3m/10ft	AA741560055
MB.AC.2000300	Cove Light AC HO RGBW Interconnection Cable (UL),1m/3ft	AA741580055
MB.AC.2000710	Cove Light AC HO RGB Data Injector 96 Channel 100-277V	AB322260055
MB.AC.2000720	Cove Light AC HO RGB Data Injector 48 Channel 100-277V	AB322270055



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