traxon

Date: _____ Quantity: _____

Company: _____

Project: _____

Cove Light AC HO RGBW

The Cove Light AC HO RGBW is a slim profile, AC line powered high brightness luminaire. The luminaire is 4 channel and controllable via DMX512 and perfect for alcove applications. The simplicity of the luminaire's topology allows it to be easily daisy-chained to form long runs.

c ETL us INDOOR IP20

Product Specifications

	HO-6	HO-18
Light Source	24 LEDs	72 LEDs
Color	Red - Green - Blue - White (3000K)	
Color Range	16.7 million additive RGB colors and White	
Color Resolution	14-bit (Gamma correction)	
Beam Angle	120°x120°	
Luminous Flux	329 lm	978 lm
Efficacy	30 lm/W typ.	
Lumen Maintenance	L70 @25°C - 80,000hrs	
Cover Lens	Diffused PC cover	
Housing	Aluminium	
Adjustment Options	±90° tilt (10° steps)	
Dimensions (L x W x H)	304 x 39 x 50mm 12" x 1.5" x 1.9"	913 x 39 x 50mm 36" x 1.5" x 1.9"
Weight	0.45kg/1lbs	1.2kg/2.7lbs
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 (IP20)	
Humidity	0-90%, non-condensing	

Electrical Specifications

Input Voltage	120V, 277V AC 50/60Hz	
Power Consumption	11W typical, 13W max.	33W typical, 39W max.
Power Factor	≥ 0.9	

System Specifications

Power	AC line
Control	DMX512; 4x DMX512 addresses per fixture (R-G-B-W)
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 compiles with LM-79-08 standard.
Lumen maintenance is calculated based on LM-80 compliant measurement.

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Photometrics

Candela Distribution

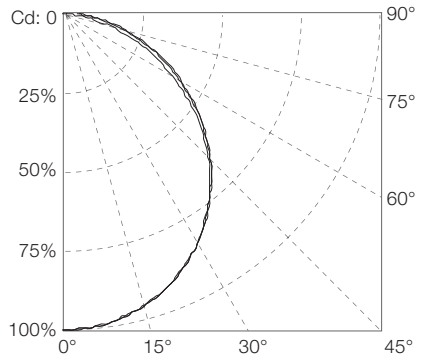
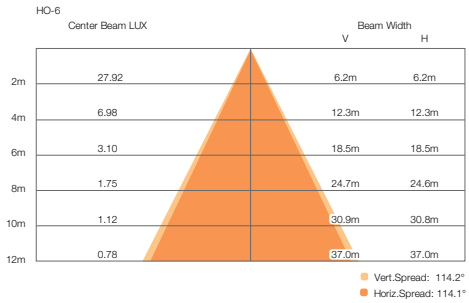


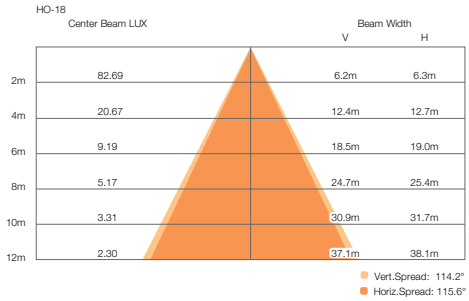
Diagram based on Cove Light AC RGBW HO-6

Light Output

Color	Luminous Flux (lm)	Candela Distribution @100%	Power	Efficacy (lm/W)
HO-6				
White (full on)	328.68	111.79	12.19	26.96
HO-18				
White (full on)	978.14	331.11	31.38	31.17

Illuminance at a Distance





For feet multiply by 3.28

For fc divide by 10.7

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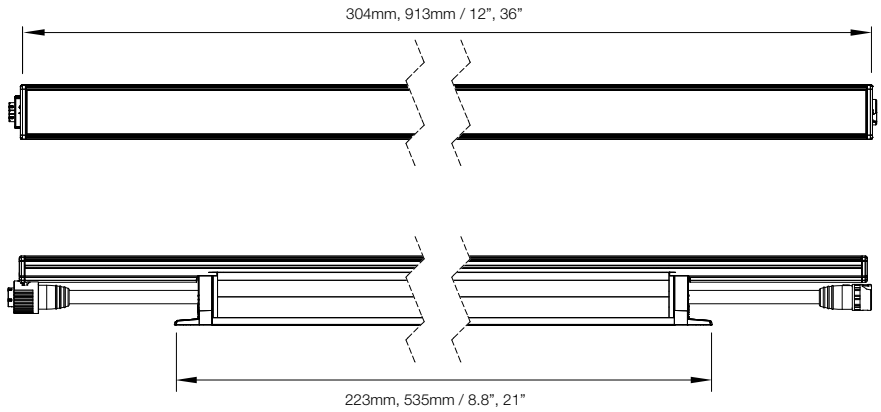
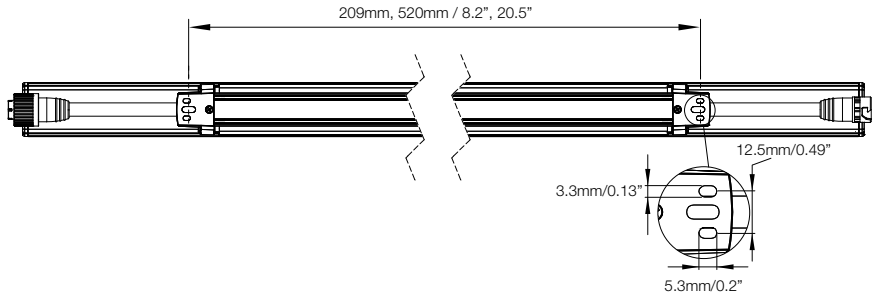
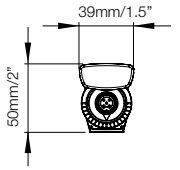
Cove Light AC HO RGBW

Dimensions







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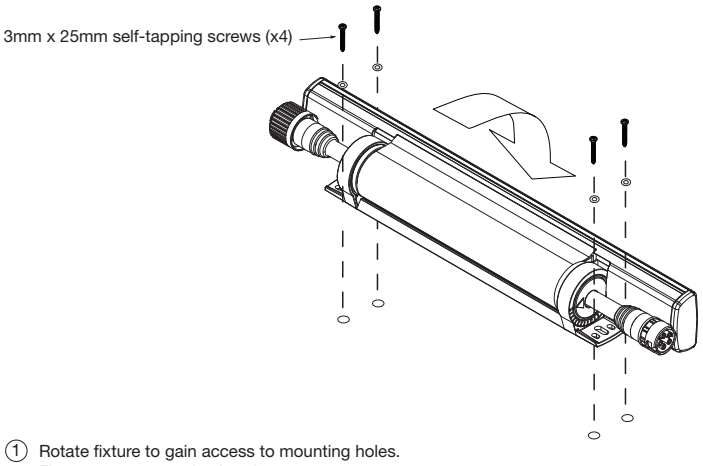
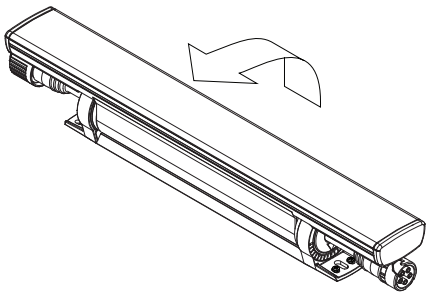


① Rotate fixture to gain access to mounting holes.
Fix screws to mounting brackets.



② Rotate fixture to the intended position for permanent installation.

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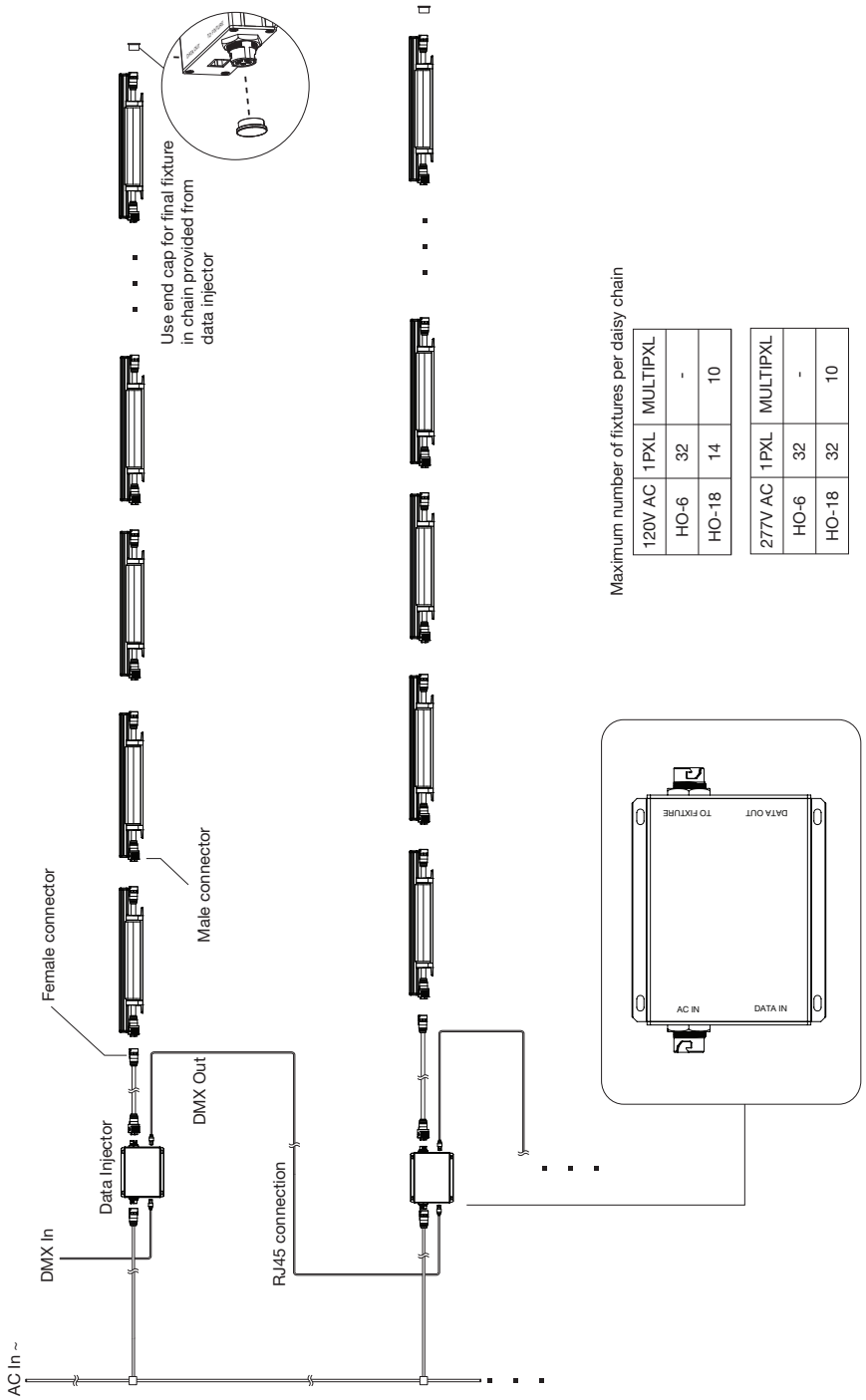
System Diagram



Maximum number of fixtures per daisy chain

120V AC	1PXL	MULTIPXL
HO-6	32	-
HO-18	14	10

277V AC	1PXL	MULTIPXL
HO-6	32	-
HO-18	32	10

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Ordering

Fixtures (MULTI-PXL version) 120V

Model No.	Description	Item Code
MB.CW.1813001	Cove Light AC HO-18 RGBW 120X120deg (ETL 120V)	AB316480055

Fixtures (1PXL version) 120V

Model No.	Description	Item Code
MB.CW.061300A	Cove Light AC HO-6 RGBW 120X120deg 1PXL (ETL 120V)	AB316380055
MB.CW.181300A	Cove Light AC HO-18 RGBW 120X120deg 1PXL (ETL 120V)	AB316400055

Fixtures (MULTI-PXL version) 277V

Model No.	Description	Item Code
MB.CW.1873001	Cove Light AC HO-18 RGBW 120X120deg (ETL 277V)	AB316520055

Fixtures (1PXL version) 277V

Model No.	Description	Item Code
MB.CW.067300A	Cove Light AC HO-6 RGBW 120X120deg 1PXL (ETL 277V)	AB316440055
MB.CW.187300A	Cove Light AC HO-18 RGBW 120X120deg 1PXL (ETL 277V)	AB316460055

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.2000700	Cove Light AC HO RGBW Data Injector (CE / ETL) 100-277V	AB300080055

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