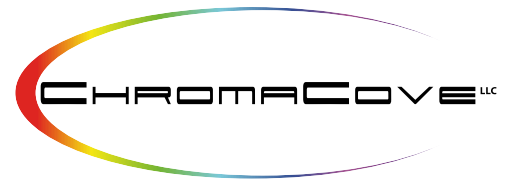


# ChromaCove™ Signature Series Medium-Power LED Lighting

120° x 120° beam angle, available as RGB, RGBW or White

Linear, color changing LED lighting fixture for archtainment applications

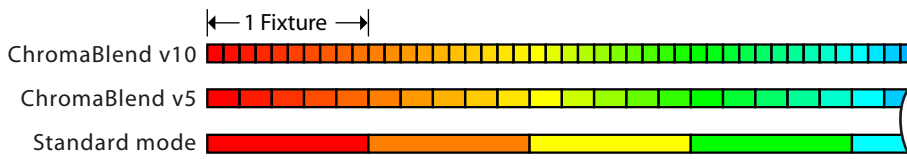


The new Signature Series ChromaCove Medium Power linear LED lighting fixtures are offered in a modular design that is configured for RGB, RGBW or White. Each foot-long fixture employs our unique ChromaSmooth™ driver which allows for smooth fading and flicker-free operation with 36 selectable Personality Profiles.

## Preliminary Data Sheet

### High-Resolution Lighting

Rather than illuminating as a single color, each fixture optionally blends to the color of its neighbor to create a smooth color gradient with an effective resolution of 1.25" in the RGB version and 2.5" in the RGBW. This high-resolution blend effect is accomplished automatically, without increasing control system complexity or cost.



### DMX Controllable

ChromaCove lighting is controlled via DMX512-A using either 8 or 16 bit control over each color, mixing red, green, blue and / or white light to provide a possible array of up to 18.4 quintillion color combinations. With fading enhanced by the internal smoothing algorithms, the control bit depth determines the range of colors, not the smoothness of the fade. Each unit employs RDM support for easy addressing and configuration in the field.

### Personality Profiles

Each fixture can be configured for a wide range of control scenarios by combining built-in features. With 36 unique profiles to choose from, features such as Low-End Curve Correction, ChromaBlend, Bit Depth and Internal Fade Slewing make the ChromaCove Medium Power fixtures a powerfully-adaptable lighting device.

### High Dynamic Range

Excellent low-end dimming and brightness control is achieved with ChromaCove's unique driver designed specifically to meet the challenges of the planetarium and immersive theater market. Perfect for use in low-light conditions, ChromaCove LED lighting does not "pop" on, flicker or stutter as it fades. Additionally, PWM strobing is eliminated with our enhanced-spectrum modulation, providing a visually-steady illumination. This is important for use in areas where viewers are visually following a moving point of interest, or are themselves moving, such as riding an amusement ride or even simply walking into a room.

### Adaptive Mounting

Mounting is easy with a multitude of specialty brackets designed to mount each fixture in a variety of situations. Many styles also allow axial rotation for on-site angle adjustment.

### Made in the USA

All of our LED fixtures are designed and manufactured in the USA using high-quality CREE LEDs, RoHS compliant components and a lead-free process. The manufacturing process is streamlined to produce minimal waste, most of which is recyclable.

## Quick Facts:

### ChromaCove™ MP-120

Color: RGB, RGBW, White

Lumens: RGB: ~280 / ft

RGBW: ~580 / ft

White: ~880 / ft

Angle: 120°

L x W x H: 12" x 2" x 1.15"

Voltage: 24VDC

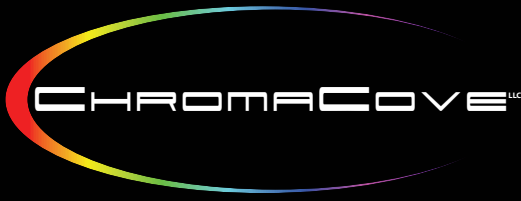
Current: 0.3A - 0.6A

Power: 7.2W - 14.4W

Control: DMX512-A

Bit Depth: 8 or 16 bits / color

Features: ChromaSmooth,  
Personality Profiles,  
ChromaBlend™



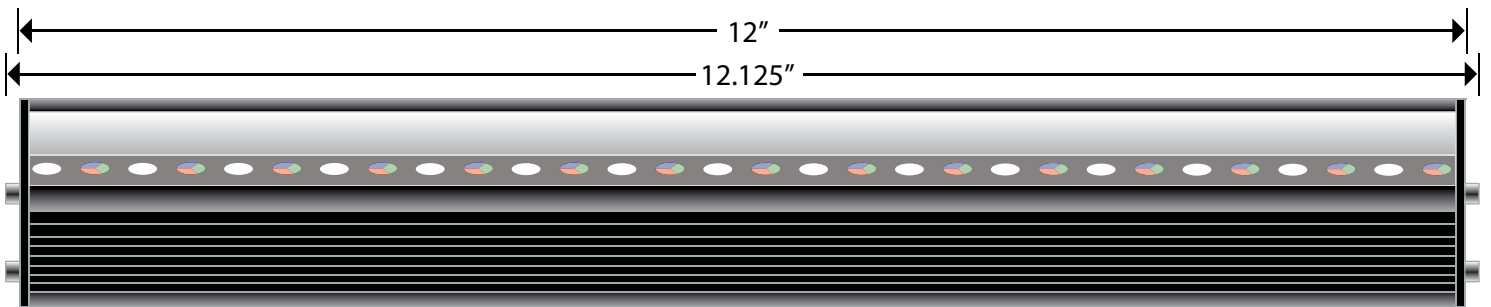
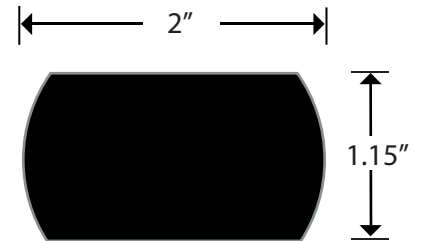
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Preliminary Data Sheet

## ChromaCove™ Signature Series Medium-Power LED Lighting\*

Item	Specification	CC-MP-RGB	CC-MP-RGBW	CC-MP-W
Output	Lumens <sup>1</sup>	~280 lm	~580 lm	~880 lm
	Primary Cone	120° x 120°		
	Color Mix Distance	~0" (internal to fixture)		
	Color Range	281.5 trillion	18.4 quintillion	65.5k (grayscale)
Electrical	Fixture Voltage	24 VDC		
	Fixture Current @ white	0.3A	0.45A	0.6A
	Chained Units	7	5	4
Physical	Dimensions <sup>2</sup> (L x W x H)	12.125" x 2" x 1.15" (308 x 51 x 29 mm)		
	Weight <sup>2</sup>	~1lb		
	Housing Material	Anodized Aluminum Extrusion		
	Lens	Clear Cast Acrylic		
Control	Mounting	Various specialty brackets available		
	Signal Protocol	DMX512-A, E1.20 RDM enabled		
	Bit Depth	8 or 16 bits per color (24 or 48 bits per fixture)		
	Addressing	Set via RDM		
	Chained Control	Up to 170 units per DMX512 Universe		
Patents	Modulation Type	Enhanced-Spectrum Modulation, ChromaBlend™ and 36 Performance Profiles		
	Licensing	This fixture utilizes technology licensed from the Philips patent portfolio.		
Origin	This product is designed and manufactured in the United States of America			



\*Specifications are subject to change without notice. Custom fixtures and the latest innovations may not be listed here. Please check [www.ChromaCove.com](http://www.ChromaCove.com) for the latest information on our products.

- 1) Total lumens of light available from the unbalanced output of the LEDs within the light engine.
- 2) Dimensions and weight do not include mounting brackets or other hardware.