

CHRISTIE M 4K15 RGB

Home Cinema | Live events and projection mapping | Auditoriums and conference centers | Planetariums and museums | Theme park attractions | Sports venues | Hospitality and tourism



An icon, re-imagined

How do you improve on your most iconic projector series? Go beyond what everyone believes is possible, that's how.

The Christie® M 4K RGB Series re-imagines and reinvents the rugged and reliable M Series industry workhorse with innovative, cutting-edge RGB pure laser technology. This versatile series is a new peak of perfection for our 3DLP® RGB pure laser projection technology.

The M 4K15 RGB ARLED Cinema Edition provides 9500 lumens with UHD 4K (3840 x 2160), quiet operation, double the color, and quadruple the resolution of our legacy M Series.

With full brightness at 100-120 or 200-240 VAC operation and a field-replaceable laser optical system (LOS), the M 4K RGB Series enables excellent performance in the most demanding and long-life applications.

Why choose the M 4K RGB Series?

- › Full brightness using 120V or 240V.
- › An expanded color gamut that produces ~98% of the Rec. 2020 color space for rich, vibrant, and true-to-life visuals.
- › Our TruLife+™ electronics platform provides "all-in" connectivity, eliminating the hassle and cost of removable option cards.
- › Electronic color convergence (ECC) allows you to select red, green, or blue individually and converge via remote.
- › Compatible with legacy M, J, and Crimson Series projector lenses and the legacy M Series rigging frame.
- › Christie LiteLOC™ automatically manages brightness over time in higher ambient temperatures to ensure your presentation is the same as day-one.
- › Quiet operation – 41 dBA in quiet fan mode.

ARLED Cinema Edition / Contrast Tuning

High-quality professional projectors, such as the devices from Christie digital already offer some optimizations in the basic equipment in order to increase the maximum native contrast. However, to come close to the contrast range of the best "consumer" projectors, we offer further optimizations and our licensed contrast enhancement.

Licensed projector tuning only with us!



ARLED
CINEMA

CHRISTIE®

Christie M 4K15 RGB

ARLED Cinema Edition

Technical specifications

Image	brightness	<ul style="list-style-type: none">• AR Edition - approx. 9500 ISO lumens• AR Edition - approx. 8,500 ANSI lumens^{1,2}
	contrast	8500 - 9500:1 depending on Throw Ratio
Display technology	type	• Dust-sealed 3DLP® (0.95")
	resolution	<ul style="list-style-type: none">• 3840 x 2160 precision pixel-shifted (4K UHD)• 1920 x 1080 native
Sound		• 43.8 dBA ^{4,5}
Illumination	type	• Solid state pure RGB (red, green & blue) laser optical system (LOS)
	performance	<ul style="list-style-type: none">• 25,000 hours to 50% brightness when operated at 100% brightness⁶• 50,000 hours to 50% brightness when operated at 60% brightness⁶
	color performance	• ~98% coverage of the Rec. 2020 color gamut
	field replaceable	• LOS or laser device
Orientation		• Omnidirectional
Image processing		• Christie TruLife+™ electronics, 1.2Gpx/s
Frame rates	standard	• 24-60 Hz
	optional	<ul style="list-style-type: none">• Mirage option: 96-120 Hz 4K in 2D or 3D @ 60 Hz per eye• Mirage Pro option: Mirage + 240-480 Hz HD scaled
Inputs	standard	<ul style="list-style-type: none">• 4 x 12G-SDI• 2 x HDMI 2.0• 2 x DisplayPort 1.2• Fiber (QSFP+) for use with optional Christie Link Transmitter (1 input/1 output)• HDBaseT• 3D sync (in/out)• Audio out
User controlled warping and blending	standard	• Christie Twist™ (software can be downloaded at no extra charge)
	optional	• Christie Twist Premium and Twist Pro
Automated warping and blending	standard	• Mystique™ Lite (software can be downloaded at no extra charge and requires an off-the-shelf web/Ethernet camera.)
	optional	• Mystique Essentials • Mystique ProAV • Mystique Large Scale Experience Edition • Mystique Premium Edition
Multi-projector management	standard	• Christie Conductor software monitors and controls up to 256 projectors and can be downloaded at no extra charge
Lenses	standard	<ul style="list-style-type: none">• 1.16-1.49:1 Zoom Lens - ILS1• 1.4-1.8:1 Zoom Lens - ILS1• 1.8-2.6:1 Zoom Lens - ILS1
	ultra high contrast ³	• 1.28-1.87:1 UHC Zoom Lens - ILS1
Power	line voltage	<ul style="list-style-type: none">• 100-240 VAC, 50/60 Hz Single phase• Operating current: 12A (100 VAC), 6A (200-240 VAC)• Full brightness can be achieved @ 110V
	power consumption	<ul style="list-style-type: none">• 827W typical (2,822 BTU/hr)• 1200W max (4,136 BTU/hr)
Cooling		• Liquid, self-contained
Laser class		<ul style="list-style-type: none">• Class 1 – Risk Group 3• Class 1 – Risk Group 2 when used with 0.37:1, 0.67:1, 0.8-1.16:1 lenses only
Operating environment		<ul style="list-style-type: none">• 41-104 F (5-40 C)• Relative humidity: 10-80% non-condensing
Dimensions	size (LxWxH)	• 24.3 x 20.7 x 10.6" - (617 x 525 x 270 mm) ⁸
	weight	• 83.8 lbs (38.1 kg) ⁸

¹ D65 white point measured at 73.4 F (23 C).

² Standard fan mode.

³ Brightness is reduced by up to 15% with use of ultra high-contrast lenses.

⁴ 41.0 dBA in quiet fan mode at 73.4 F (23 C)

⁵ 43.8 dBA in standard fan mode at 73.4 F (23 C)

• Sound pressure measurement, measuring conditions, and method of notation all comply with ISO 7779:1999.

⁶ To 50% brightness. Based on 9-point average (results may vary depending on environmental conditions i.e., ambient temperature, humidity, dust, smog, or other contaminants.)

⁷ New or legacy M, J, and Crimson Series projector lenses require lens hood extension for Class 1 RG3.

⁸ Without lens.

For the most current specification information, please visit christiedigital.com

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