

# CHRISTIE ECLIPSE

Planetariums | Giant screens | Dome theaters | Theme parks and attractions

## True HDR. Immersive experiences, redefined.

The Christie® Eclipse 4K RGB pure laser projector produces true HDR imagery with a previously unimaginable 20,000,000:1 contrast ratio. Combining true HDR performance with an expansive color gamut approaching the full Rec. 2020 / Rec. 2100 color space, Eclipse provides an unparalleled visual experience. Audiences are immersed in a degree of detail and depth of color that have never before been possible in any Pro-AV projection system.

### The blackest blacks and brightest whites

With Christie Eclipse, 'video black' is a thing of the past. Black is now truly black, with no residual light. Whites are brighter than ever. Not only does this result in incredible images, it also reduces system complexity. There's no need for optical filters, black-level blending adjustments, or masking in multi-projector arrays.

### Peace of mind

Enjoy the stability and reliability of solid-state illumination and the long life of RGB pure laser technology, with an incredible 30,000 hours of optimal performance to 80% brightness.

### Designed to thrill

From incredible journeys into the cosmos to amazing, at-the-edge-of-your-seat dark-ride adventures, Eclipse empowers you to create the truly immersive experiences your audiences crave and keep them coming back for more.



**CHRISTIE®**

## Technical specifications

## Christie Eclipse

Image	brightness	• 2000-26,000 ANSI lumens typical (configurable)
	contrast	• 20,000,000:1 (sequential) <sup>1</sup>
Display technology	type	• 6 DLP®
	resolution	• 4K (4096 x 2160)
Illumination	type	• Christie RealLaser™ illumination (RGB pure laser, solid-state illumination)
	typical performance	• 30,000 hours to 80% brightness
Orientation		• Landscape 360 degrees and portrait orientation
Image processing		• Christie TruLife™ electronics, 1.2Gpx/s pixel clock
Frame rates		• 24-120Hz
Inputs	standard	<b>One input card for slot 0 (specified at time of order):</b> • HBMIC (2 x 12G-SDI, HDMI 2.0, DisplayPort 1.2, 1x QSFP+ module for fiber use with Christie Link Transmitter) or • QDPIC (Quad DisplayPort 1.2 input card) or • TSIC (Christie Terra® SDVoE input card)
	optional	<b>Slots 1 to 4:</b> • Dual 3G SD/HD-SDI input card • Dual Link DVI input card • Dual DisplayPort input card • Twin HDMI input card
Warping and blending	standard	• Christie Twist™
	optional	• Christie Twist Premium and Twist Pro • Christie Mystique®
Lenses	high contrast	• 1.13-1.66:1 • 1.31-1.85:1 • 1.45-2.17:1 • 1.63-2.71:1 • 1.95-3.26:1
Input line voltage	projector head	• 200-240 VAC @50-60Hz 15A, single phase
	laser unit	• 200-240 VAC @50-60Hz, single phase
	chiller	• 200-240 VAC, single phase
Cooling	projector head	• Air cooled, self-contained
	laser unit	• Chiller required (optional purchase from Christie). Can be placed up to 100 feet (30 meters) away. Contact your Christie representative for chiller specifications.
Laser class		• Class 1 – Risk Group 3
Fiber length		• Standard 26 or 33 feet (8 or 10 meters). Other lengths also available, up to 164 feet (50 meters).
Dimensions		<b>Projector head</b>
	size (not including lens)	• (LxWxH) 41.5 x 31 x 33.5" (1049 x 784 x 845mm)
	weight	• 346lbs (157kg)
		<b>Laser unit</b>
		• (LxWxH) 30.6 x 31.7 x 25.7" (777 x 804 x 653mm)
		• 330lbs (150kg)
		• > 10dBA
Sound level		• 62 to 80dBA <sup>2</sup>
		• > 10dBA
Operating environment	temperature	• 61 to 86°F (16 to 30°C) ambient
	humidity	• 20 to 80% relative humidity, ambient, non-condensing
Warranty		• Three years parts and labor (projector head and laser unit)
		• Contact an authorized Christie representative for full details of our limited warranty

## Key features

- › **True HDR (high dynamic range) projector** – Achieves 20,000,000:1 contrast (sequential). No optical filters or black-level blending required for multi-projector blended systems
- › **Rec. 2100** – Approaches the full Rec. 2020 / Rec. 2100 color space producing highly saturated color for ultra-realistic immersive experiences. What's more, Eclipse exceeds Rec. 2100's minimum 200,000:1 contrast ratio specification by 100x!
- › **True 4K resolution** – 4096 x 2160
- › **Brightness level to suit your environment** – From 2000 to 26,000 lumens
- › **Christie TruLife electronics** – Powerful processing that delivers high frame rate video of 120fps at 4K for detail-rich visuals and 3D processing
- › **Long-lasting, silent<sup>3</sup>, reliable RGB laser light source** – 30,000 hours of optimal brightness performance to 80% brightness
- › **Compatible with Christie Mystique automated, camera-based alignment solution** – Eliminates the challenges, time and expertise required to align, warp and blend complex multi-projector arrays
- › **Lens use** – Compatible with all Christie 4K lenses

<sup>1</sup> Depends on APL (Average Picture Level) of content

<sup>2</sup> Subject to operating brightness level and environmental conditions

<sup>3</sup> Less than 10dBA

For the most current specification information, please visit [christiedigital.com](http://christiedigital.com)

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RealLaser™



Quality  
ISO 9001  
SAI GLOBAL

**CHRISTIE**®