

# CHRISTIE GRIFFYN 4K50-RGB

Large-scale events and venues | Rental and staging  
Projection mapping | Sports venues | Theme parks and attractions

## Pure laser. Pure performance. Pure excellence.

A technological marvel, the Christie Griffyn® 4K50-RGB™ pure laser projector combines superior Christie electronics, our proprietary RGB laser illumination architecture with integrated cooling, and a sealed optical path for reliable illumination performance and capabilities that will impress you.

Ready to illuminate any surface with 50,000 lumens while operating at 54dBA at full brightness, the highly advanced Griffyn 4K50-RGB is designed for demanding large-venue applications on the ground or in the air.

### Design excellence

This powerful all-in-one, omnidirectional projector offers our TruLife+™ electronics platform with all-in connectivity, eliminating the hassle of removable option cards because everything you need is built in. Griffyn also includes our electronic color convergence (ECC), which allows you to adjust convergence via remote control for easy, picture-perfect color alignment. The Griffyn 4K50-RGB raises the bar in RGB pure laser projection performance.

### We thought of everything

- › All-in-one, compact design – No external chillers or lasers and a manageable weight of 197lbs makes it the smallest, lightest brightest 3DLP® RGB laser projector available.<sup>1</sup>
- › Expanded color gamut – Produces ~98% of the Rec. 2020 color space for rich, vibrant and true-to-life visuals.
- › Christie TruLife+ electronics – every connection you need is built-in, at no extra cost.
- › Electronic color convergence (ECC) – Easily adjust convergence via remote control for picture-perfect color alignment.
- › Christie Twist™ – Built-in image warping and multi-projector blending software.
- › Christie Mystique™ – automated camera-based alignment software, quickly install, align, and calibrate and maintain multi-projection systems in minutes.
- › 4K lens compatibility – Compatible with all Christie 3DLP® ILS4 4K lenses



**CHRISTIE**®

## Technical specifications

## Christie Griffyn 4K50-RGB

Image	brightness	<ul style="list-style-type: none"> <li>• 50,000 ISO lumens</li> <li>• 44,500 ANSI lumens<sup>2,3,4</sup></li> </ul>	
	contrast	<ul style="list-style-type: none"> <li>• 2000:1 On/Off</li> <li>• 5000:1 On/Off with high-contrast lens</li> </ul>	
Display technology	type	• Dust-sealed 3DLP <sup>®</sup> (1.38")	
	resolution	• 4096 x 2160 (4K)	
Sound		• 54dBA <sup>5,7</sup>	
Illumination	type	• Solid-state RGB (red, green & blue) pure laser	
	performance	<ul style="list-style-type: none"> <li>• 25,000 hours to 50% brightness when operated at 100% brightness<sup>6</sup></li> <li>• 50,000 hours to 50% brightness when operated at 60% brightness<sup>6</sup></li> </ul>	
	color performance	• ~98% coverage of Rec. 2020	
	field replaceable	• Yes	
Orientation		• Omnidirectional	
Image processing		• Christie TruLife+™ electronics, 1.2Gpx/s	
Frame rates	standard	• 24-60Hz	
	optional	<ul style="list-style-type: none"> <li>• Christie Mirage option: 4K@120Hz and 4K 3D@60Hz per eye</li> <li>• Christie Mirage Pro option: all the features of the Mirage option plus 2K@240-480Hz and Christie View simultaneous multi-content viewer</li> </ul>	
Inputs	standard	<ul style="list-style-type: none"> <li>• 4 x 12G-SDI</li> <li>• 2 x HDMI 2.0</li> <li>• 2 x DisplayPort 1.2</li> <li>• HDBaseT</li> <li>• Audio out</li> <li>• Fiber (QSFP+) for use with Christie Link Transmitter (1 input/1 output)</li> </ul>	
Warping and blending	standard	<ul style="list-style-type: none"> <li>• Christie Twist™</li> <li>• Christie Mystique™ Lite can be downloaded at no extra charge</li> </ul>	
	optional	<ul style="list-style-type: none"> <li>• Christie Twist Premium and Twist Pro</li> <li>• Christie Mystique</li> <li>• Christie Guardian</li> </ul>	
Multi-projector management	optional	• Christie Conductor - monitors/controls up to 256 projectors on a single network and can be downloaded at no extra charge	
Lenses	high brightness	<ul style="list-style-type: none"> <li>• 0.38:1 UST high brightness (ILS4)<sup>3</sup></li> <li>• 0.72:1 high brightness (ILS4)</li> <li>• 0.9:1 high brightness (ILS4)</li> <li>• 1.13-1.66:1 high brightness (ILS4)</li> <li>• 1.45-2.17:1 high brightness (ILS4)</li> </ul>	<ul style="list-style-type: none"> <li>• 1.95-3.26:1 high brightness (ILS4)<sup>8</sup></li> <li>• 2.71-3.89:1 high brightness (ILS4)<sup>8</sup></li> <li>• 3.89-5.43:1 high brightness (ILS4)<sup>8</sup></li> <li>• 4.98-7.69:1 high brightness (ILS4)<sup>8</sup></li> </ul>
	ultra high contrast <sup>3</sup>	<ul style="list-style-type: none"> <li>• 0.72:1 ultra high contrast (ILS4)</li> <li>• 0.9:1 ultra high contrast (ILS4)</li> <li>• 1.13-1.66:1 ultra high contrast (ILS4)</li> <li>• 1.45-2.17:1 ultra high contrast (ILS4)</li> </ul>	<ul style="list-style-type: none"> <li>• 1.95-3.26:1 ultra high contrast (ILS4)<sup>8</sup></li> <li>• 2.71-3.89:1 ultra high contrast (ILS4)<sup>8</sup></li> <li>• 3.89-5.43:1 ultra high contrast (ILS4)<sup>8</sup></li> </ul>
Power	line voltage	<ul style="list-style-type: none"> <li>• 200-240 VAC, 19A, 50/60Hz Single phase</li> <li>• Connector: IEC60309 30A</li> </ul>	
	power consumption	<ul style="list-style-type: none"> <li>• 2800W typical (9,550 BTU/hr)</li> <li>• 3800W max (13,000 BTU/hr)</li> </ul>	
Cooling		• Liquid, self-contained	
Laser class		• Class 1 – Risk Group 3	
Operating environment		<ul style="list-style-type: none"> <li>• 5-40°C (41-104°F)</li> <li>• Relative humidity: 10-80% non-condensing</li> </ul>	
Dimensions	size	• (LxWxH): 36.3 x 25 x 15" (922 x 635 x 380mm) <sup>9</sup>	
	weight	• 197lbs (89.3 kg) <sup>9</sup>	
Warranty		<ul style="list-style-type: none"> <li>• Three years parts and labor</li> <li>• Reference the Christie Standard Limited Warranty document for details</li> <li>• Or contact an authorized Christie representative for full details of our limited warranty</li> </ul>	

<sup>1</sup> At time of release - May 2022

<sup>2</sup> D65 white measured at 23°C (73.4°F)

<sup>3</sup> Brightness is reduced up to 30% with the use of a high-contrast lens or ultra short throw lens

<sup>4</sup> In ambient temperatures up to 30°C

<sup>5</sup> 44dBA in quiet fan mode at 23°C, 55dBA in standard fan mode at 23°C

<sup>6</sup> 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.)

<sup>7</sup> Sound pressure measurement, measuring conditions, and method of notation all comply with ISO7779-1999. Sound level may vary between units

<sup>8</sup> Requires lens hood extension for Class 1, Risk Group 3

<sup>9</sup> Without lens

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

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