

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 47dBA 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 new electronic color convergence (ECC), which allows you to adjust convergence via remote control for easy, picture-perfect color alignment. The Griffyn 4K50-RGB once again 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.¹
- › Produces an exceptionally wide color gamut, achieving ~98% of the Rec. 2020 color space—more than twice the color of Rec. 709 and 50% more than DCI-P3-capable projectors—for an enhanced audience experience.
- › Christie TruLife+ electronics – Native 4K@60Hz is standard. The Mirage option delivers 4K@120Hz or 4K 3D@60Hz per eye. The Mirage Pro option adds even more capabilities: 2K@240-480Hz and Christie View (simultaneous multi-content viewer)
- › Electronic color convergence (ECC) gives you the ability to select red, green, or blue individually and converge via remote control. No ladder or lift required.
- › 4K lens compatibility – Compatible with all Christie 3DLP ILS4 4K lenses.
- › Christie Twist™ – Built-in image warping and multiprojector blending software.



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Technical specifications

Christie Griffyn 4K50-RGB

Image	brightness	• 50,000 ISO lumens • 46,000 ANSI lumens^{2,3} • In ambient temperatures up to 30°C
	contrast	• 5000:1 On/Off with high-contrast lens
Display technology	type	• Dust-sealed 3DLP® (1.38")
	resolution	• 4096 x 2160 (4K)
Sound		• 47dBA^{4,5}
Illumination	type	• Solid-state RGB (red, green & blue) pure laser
	performance	• 25,000 hours⁶
	color performance	• Up to 98% coverage of the Rec. 2020 color gamut
	field replaceable	• Yes
Orientation		• Omnidirectional
Image processing		• Christie TruLife+™ electronics, 1.2Gpx/s
Frame rates	standard	• 24-60Hz
	optional	• Christie Mirage option: 4K@120Hz and 4K 3D@60Hz per eye • Christie Mirage Pro option: all the features of the Mirage option plus 2K@240-480Hz and Christie View simultaneous multi-content viewer
Inputs	standard	• 4 x 12G-SDI • 2 x HDMI 2.0 • 2 x DisplayPort 1.2 • HDBaseT • Audio out • Fiber (QSFP+) for use with Christie Link Transmitter (1 input/1 output)
Warping and blending	standard	• Christie Twist™ • Christie Mystique™ Lite can be downloaded at no extra charge
	optional	• Christie Twist Premium and Twist Pro • Christie Mystique • Christie Guardian
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	• 0.38:1 UST high brightness (ILS4) • 0.72:1 high brightness (ILS4) • 0.9:1 high brightness (ILS4) • 1.13-1.66:1 high brightness (ILS4) • 1.45-2.17:1 high brightness (ILS4) • 1.95-3.26:1 high brightness (ILS4)⁷ • 2.71-3.89:1 high brightness (ILS4)⁷ • 3.89-5.43:1 high brightness (ILS4)⁷ • 4.98-7.69:1 high brightness (ILS4)⁷
	ultra high contrast	• 0.72:1 ultra high contrast (ILS4) • 0.9:1 ultra high contrast (ILS4) • 1.13-1.66:1 ultra high contrast (ILS4) • 1.45-2.17:1 ultra high contrast (ILS4) • 1.95-3.26:1 ultra high contrast (ILS4)⁷ • 2.71-3.89:1 ultra high contrast (ILS4)⁷ • 3.89-5.43:1 ultra high contrast (ILS4)⁷
Power	line voltage	• 200-240 VAC, 19A, 50/60Hz Single phase • Connector: IEC60309 30A
	power consumption	• 3800W max (13,000 BTU/hr)
Cooling		• Liquid, self-contained
Laser class		• Class 1 – Risk Group 3
Operating environment		• 5-40°C (41-104°F) • Relative humidity: 10-80% non-condensing
Dimensions	size	• (LxWxH): 36.3 x 25 x 15" (922 x 635 x 380mm) not including lens
	weight	• 197lbs (89.3 kg)⁸

¹ At time of release - May 2022

² D65 white measured at 23°C (73.4°F)

³ Brightness is reduced up to 30% with the use of a high-contrast lens

⁴ 47dBA in quiet fan mode at 23°C

⁵ Sound pressure measurement, measuring conditions, and method of notation all comply with ISO7779-1999. Sound level may vary between units

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

⁷ Requires lens hood extension for Class 1, Risk Group 3

⁸ Without lens

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

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CD2609-Christie-Griffyn-4K50-datasheet-Apr-22-EN



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