

CHRISTIE

GRIFFYN 4K35-RGB

GRIFFYN 4K50-RGB

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



Pure laser. Pure performance. Pure excellence.

The Christie® Griffyn™ 4K35-RGB and 4K50-RGB pure laser projectors. Two technological marvels combining Christie's superior electronics, our proprietary RGB laser illumination architecture with integrated cooling and a sealed optical path for reliable illumination performance creating capabilities that will impress you.

Ready to illuminate any surface with 18,000 (4K35) and 27,000 (4K50) lumens while operating at less than 46dBA (55dBA) at full brightness, we designed and built this highly advanced projectors for demanding large venue applications on the ground or 'in the air'.

Design excellence

These powerfull all-in-one, omnidirectional projectors offer 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 4K35 - RGB and the 4K50 - RGB once again raise the bar in RGB pure laser projection performance.

Spectacular visuals

Griffyn 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.

And optional high frame rate (HFR) capability to achieve 120Hz at 4K resolution or up to 480Hz with 2K resolution. Ready to transport your audience to colorful new worlds, Griffyn not only raises the bar for RGB pure laser projection but soars above it.

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®

Technical specifications		Christie Griffyn™ 4K35-RGB ARLED Cinema Edition	Christie Griffyn™ 4K50-RGB ARLED Cinema Edition
Image	brightness	• 14,000 - 18,000 ANSI lumens ^{2,3,4,5}	• 23,000 - 27,000 ANSI lumens ^{2,3,4,7}
	contrast	• 7000 - 8500:1 depending on Throw Ratio	• 7000 - 8500:1 depending on Throw Ratio
Display technology	type	• Dust-sealed 3DLP® (1.38")	• Dust-sealed 3DLP® (1.38")
	resolution	• 4096 x 2160 (4K)	• 4096 x 2160 (4K)
Sound		• <46dBA at full brightness	• 46dBA/55dBA ^{5,6}
Illumination	type	• RGB (red, green & blue) pure laser	• Solid-state RGB (red, green & blue) pure laser
	performance	• 25,000 hours ³	• Over 50,000 hours in standard mode
Orientation		• Omnidirectional	• Omnidirectional
Image processing		• Christie TruLife+ electronics, 1.2Gpx/s	• Christie TruLife+™ electronics, 1.2Gpx/s
Frame rates		• 24-60Hz standard • Optional 96-120Hz 4K, 240-480Hz 2K scaled	• 24-60Hz • 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 (HBMIC) • Fiber (QSFP+) for use with Christie Link Transmitter (1 input/1 output) • HDBaseT • Terra® (SDVoE) • Audio out	• 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 Twist™
	optional	• Christie Twist Premium and Twist Pro • Christie Mystique™ • Christie Guardian	• Christie Mystique™ Lite can be downloaded at no extra charge • Christie Twist Premium and Twist Pro • Christie Mystique • Christie Guardian
Multi-projector management			• Christie Conductor - monitors/controls up to 256 projectors on a single network and can be downloaded at no extra charge
Lenses (available in standard and high contrast)		• 1.13-1.31:1 • 1.31-1.63:1 • 1.63-2.17:1 • 1.99-2.71:1 • 2.71-3.89:1	• 1.13-1.31:1 • 1.31-1.63:1 • 1.63-2.17:1 • 1.99-2.71:1 • 2.71-3.89:1
Input line voltage		• Single phase 200-240 VAC, 16A, 3200W, 10,920 BTU/hr • Connector: 30A IEC60320 C20 Inlet	• Single phase 200-240 VAC, 19A, 50/60Hz Single phase 3800W, 13,000 BTU/hr • Connector: IEC60309 30A
Cooling		• Liquid, self-contained	• Liquid, self-contained
Laser class		• Class 1 – Risk Group 3	• Class 1 – Risk Group 3
Operating environment		• 5-40°C (41-104°F) • Relative humidity: 10-80% non-condensing	• 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	• (LxWxH): 36.3 x 25 x 15" (922 x 635 x 380mm) ⁸
	weight	• 175 lbs (79.4kg)	• 197lbs (89.3 kg) ⁸

¹ (typical) @ 25°C

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 In ambient temperatures up to 30°C

⁵ dependant on throw ratio

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 In ambient temperatures up to 30°C

⁵ 46dBA in quiet fan mode at 23°C, 55dBA in standard fan mode at 23°C

⁶ Sound pressure measurement, measuring conditions, and method of notation all comply with ISO7779-1999. Sound level may vary between units

⁷ dependant on throw ratio

Key features

- › **All-in-one, compact design** – No external chillers, laser racks or parts, and a manageable weight of 175lbs makes it the smallest and lightest high-brightness RGB laser projector available
- › **Digital convergence** – Easily adjust convergence using the remote control to maintain a perfect image
- › **Omnidirectional** – Operates in any orientation for unlimited installation flexibility
- › **Christie TruLife+ electronics** – Delivers native 4K at 120Hz, or up to 480Hz with 2K resolution for unprecedented image fidelity
- › **Quiet operation** – Operates below 55dBA at maximum brightness
- › **Expanded color gamut** – Produces ~98% of the Rec. 2020 color space for rich, vibrant and true-to-life visuals
- › **Energy efficient** – Operates on 220V single-phase power for lower cost of ownership
- › **Christie Twist** – Built-in image warping and multi-projector blending software
- › **4K lens compatibility** – Compatible with most Christie 4K lenses
- › **Field-replaceable RGB laser light source** – For easy service and replacement

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

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CD1547_Christie Griffyn 4K32-RGB_Datasheet_Sept 2020_EN

