

# CHRISTIE ROADIE 4K40-RGB

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

## Ruggedized RGB pure laser performance

Continuing the renowned legacy of the Roadie family of ruggedized projectors, the Christie® Roadie 4K40-RGB is purpose-built for demanding applications and life on the road. Featuring a strengthened internal frame and integrated handles that double as rigging points, the Roadie 4K40-RGB is ready to put on the biggest visual experiences imaginable, no matter the location.

### All-in-one design

What sets the Roadie 4K40-RGB apart from the competition? Thanks to our engineering expertise, we are able to produce the smallest and lightest, high-brightness, omnidirectional rental staging RGB laser projector on the market. There are no heavy external chillers, remote laser racks, or special pedestals - everything is completely integrated into a single chassis.

### Designed for the tech

Built with the technician in mind, the Roadie 4K40-RGB is designed for simplified deployment. Power is supplied via single-phase 220V for lower-cost power runs and reduced cost of operation. Integrated rigging points and optional stacking kit allow for installation in any setting. Connectivity includes 12G-SDI, DisplayPort, HDMI, ChristieLink and optional Christie Terra SDVoE input card and more. For added convenience and cost savings, the Roadie 4K40-RGB is compatible with most Christie 4K lenses and offers a field replaceable laser light source.

### Spectacular visuals

Featuring our proprietary RGB pure laser illumination source combined with Christie TruLife™ electronics and 4K resolution, the Roadie 4K40-RGB produces 40,000 lumens, 95% of Rec. 2020 color space, high frame rate (HFR) capabilities up to 120fps and 5000:1 On/Off contrast ratio for remarkable visual experiences.



**CHRISTIE**®

## Technical specifications

## Christie Roadie 4K40-RGB

Image	brightness	<ul style="list-style-type: none"> <li>• 50,000 ISO lumens</li> <li>• 40,000 ANSI lumens (typical) @ 25°C</li> <li>• 41,000 center lumens (typical) @ 25°C</li> </ul>
	contrast	<ul style="list-style-type: none"> <li>• 5000: 1 On/Off<sup>1</sup></li> </ul>
Display technology	type	<ul style="list-style-type: none"> <li>• 3DLP® 1.38" sealed to the prism</li> </ul>
	resolution	<ul style="list-style-type: none"> <li>• 4096 x 2160 (4K)</li> </ul>
Illumination	type	<ul style="list-style-type: none"> <li>• RGB (red, green &amp; blue) pure laser</li> </ul>
	performance	<ul style="list-style-type: none"> <li>• 20,000 hrs<sup>2</sup></li> </ul>
Orientation		<ul style="list-style-type: none"> <li>• Omnidirectional</li> </ul>
Image processing		<ul style="list-style-type: none"> <li>• Christie TruLife electronics, 1.2Gpx/s</li> </ul>
Frame rates	standard	<ul style="list-style-type: none"> <li>• 24-60Hz</li> </ul>
	optional	<ul style="list-style-type: none"> <li>• 96-120Hz 4K, 240-480Hz 2K scaled</li> </ul>
Inputs	standard	<ul style="list-style-type: none"> <li>• HDBaseT</li> <li>• HBMIC which includes 12G-SDI (x2), HDMI 2.0, DisplayPort 1.2 and Fiber QSFP+ for Christie Link</li> </ul>
	optional	<ul style="list-style-type: none"> <li>• Dual 3G SD/HD-SDI input card</li> <li>• Dual Link DVI input card</li> <li>• Quad DisplayPort input card</li> <li>• Twin HDMI input card</li> <li>• Terra (SDVoE) input card</li> </ul>
Warping and blending	standard	<ul style="list-style-type: none"> <li>• Christie Twist™</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>
Lenses (available in standard and high contrast)		<ul style="list-style-type: none"> <li>• 0.72:1</li> <li>• 0.9:1</li> <li>• 1.13-1.66:1</li> <li>• 1.45-2.17:1</li> <li>• 1.95-3.26</li> <li>• 2.71-3.89:1</li> <li>• 3.89-5.43:1 (not available in the USA)</li> </ul>
Input line voltage		<ul style="list-style-type: none"> <li>• Single phase 220 VAC, 19A, 4000W, 13,650 BTU/hr</li> <li>• Connector: 30A IEC309</li> </ul>
Cooling		<ul style="list-style-type: none"> <li>• Liquid, self-contained</li> </ul>
Laser class		<ul style="list-style-type: none"> <li>• Class 1 – Risk Group 3</li> </ul>
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	<ul style="list-style-type: none"> <li>• (LxWxH): 37 x 28 x 21.8" (947 x 711 x 553mm) not including lens</li> </ul>
	weight	<ul style="list-style-type: none"> <li>• 298lbs (135kg)</li> </ul>

<sup>1</sup> Using high-contrast lens which reduces brightness by 30%.

<sup>2</sup> To 60% brightness when operated at 40,000 lumens OR 30,000 hours to 80% brightness when operated at 30,000 lumens from initial start up.

## Key features

- › **Ruggedized all-in-one, compact design** – A strengthened frame, no external chillers or laser racks, and a manageable weight of 298 lbs makes it the smallest and lightest high-brightness RGB laser projector available
- › **Omnidirectional** – Operates in any orientation for unlimited installation flexibility
- › **Integrated handles** – Double as rigging points for easy lifting and simplified installation
- › **High contrast** – Achieves 5,000:1 On/Off contrast for amazing depth of detail
- › **Energy efficient** – Operates on 220V single-phase power for reduced cost of ownership
- › **Expanded color gamut** – Produces >95% of the Rec. 2020 color space for rich, vibrant and true-to-life visuals
- › **Christie Twist** – Built-in image warping and multi-projector blending software
- › **4K lens compatibility** – Compatible with most Christie 4K lenses

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

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