

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 45,000 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.



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Technical specifications

Christie Roadie 4K40-RGB

Image	brightness	<ul style="list-style-type: none"> • 45,000 ISO lumens • 40,000 ANSI lumens (typical) @ 25°C • 41,000 center lumens (typical) @ 25°C
	contrast	<ul style="list-style-type: none"> • 5000:1 On/Off¹
Display technology	type	<ul style="list-style-type: none"> • 3DLP® 1.38" sealed to the prism
	resolution	<ul style="list-style-type: none"> • 4096 x 2160 (4K)
Illumination	type	<ul style="list-style-type: none"> • RGB (red, green & blue) pure laser
	performance	<ul style="list-style-type: none"> • 20,000 hrs²
Orientation		<ul style="list-style-type: none"> • Omnidirectional
Image processing		<ul style="list-style-type: none"> • Christie TruLife™ electronics, 1.2Gpx/s
Frame rates	standard	<ul style="list-style-type: none"> • 24-60Hz
	optional	<ul style="list-style-type: none"> • 96-120Hz 4K, 240-480Hz 2K scaled
Inputs	standard	<ul style="list-style-type: none"> • HDBaseT • HBMIC which includes 12G-SDI (x2), HDMI 2.0, DisplayPort 1.2 and Fiber QSFP+ for Christie Link
	optional	<ul style="list-style-type: none"> • Dual 3G SD/HD-SDI input card • Dual Link DVI input card • Quad DisplayPort input card • Twin HDMI input card • Terra (SDVoE) input card
Warping and blending	standard	<ul style="list-style-type: none"> • Christie Twist™
	optional	<ul style="list-style-type: none"> • Christie Twist Premium and Twist Pro • Christie Mystique® • Christie Guardian
Lenses (available in standard and high contrast)		<ul style="list-style-type: none"> • 0.72:1 • 0.9:1 • 1.13-1.66:1 • 1.45-2.17:1 • 1.95-3.26 • 2.71-3.89:1 • 3.89-5.43:1 (not available in the USA)
Input line voltage		<ul style="list-style-type: none"> • Single phase 220 VAC, 19A, 4000W, 13,650 BTU/hr • Connector: 30A IEC309
Cooling		<ul style="list-style-type: none"> • Liquid, self-contained
Laser class		<ul style="list-style-type: none"> • Class 1 – Risk Group 3
Operating environment		<ul style="list-style-type: none"> • 5-40°C (41-104°F) • Relative humidity: 10-80% non-condensing
Dimensions	size	<ul style="list-style-type: none"> • (LxWxH): 37 x 28 x 21.8" (947 x 711 x 553mm) not including lens
	weight	<ul style="list-style-type: none"> • 298lbs (135kg)

¹ Using high-contrast lens which reduces brightness by 30%.

² To 60% brightness when operated at 40,000 lumens OR 30,000 hours to 80% brightness when operated at 30,000 lumens from initial startup.

Key features

- › **Ruggedized all-in-one, compact design** – A strengthened frame, no external chillers or laser racks, and a manageable weight of 298lbs 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



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