

CHRISTIE D4K40-RGB

Giant screens | Large-scale events and venues | Planetariums and domes
Projection mapping | Sports venues | Theme parks and attractions

Pure laser. Pure performance. Pure excellence.

Take large-scale projection to new heights with the Christie® D4K40-RGB. This all-in-one, 45,000 lumen RGB pure laser projector raises the bar for design, image quality and processing. Featuring Christie Real|Laser™ illumination technology and TruLife™ electronics, the D4K40-RGB is a powerhouse projector engineered to light up the largest canvases with spectacular visuals.

All-in-one design

What sets the Christie D4K40-RGB apart? Thanks to our engineering expertise, we designed the smallest and lightest high-brightness, large venue RGB laser projector available. There are no heavy external chillers, remote laser racks,

or special pedestals - everything is completely integrated into a single chassis.

Spectacular visuals

Our proprietary RGB pure laser illumination source provides an exceptionally wide color gamut and when combined with TruLife electronics and 4K resolution, allows the D4K40-RGB to reveal amazing depth of detail. Add optional high frame rate (HFR) capabilities up to 120fps, 5000:1 On/Off contrast ratio, omnidirectional capabilities, and the D4K40-RGB sets the new standard for large-scale projection.



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Technical specifications

Christie D4K40-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"> • 25,000 hours²
Orientation		<ul style="list-style-type: none"> • Omnidirectional
Image processing		<ul style="list-style-type: none"> • Christie TruLife electronics, 1.2Gpx/s
Frame rates		<ul style="list-style-type: none"> • 24-60Hz standard • Optional 96-120Hz 4K, 240-480Hz 2K scaled
Inputs	standard	<ul style="list-style-type: none"> • 2 x 12G-SDI x HDMI 2.0 • 1 x DisplayPort 1.2 (HBMIC) • 1 x Fiber (QSFP+) for use with Christie Link Transmitter • HDBaseT
	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 • 1.13-1.31:1 • 1.31-1.63:1 • 1.63-2.17:1 • 1.99-2.71:1 • 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"> • 285lbs (130kg)

¹ Using high contrast lens.

² To 50% brightness.

Key features

- › **All-in-one, compact design** – No external chillers, laser racks or parts, and a manageable weight of 285lbs makes it the smallest and lightest high-brightness laser projector available
- › **Omnidirectional** – Operates in any orientation for unlimited installation flexibility
- › **Christie TruLife electronics** – Delivers native 4K resolution, high frame rate video up to 240fps for unprecedented image fidelity
- › **High contrast** – Achieves 5,000:1 On/Off contrast for amazing depth of detail
- › **Expanded color gamut** – Produces >95% 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** – Provides easy service and replacement of the laser light source

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

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