

CHRISTIE MIRAGE 4K40-RGB

Automotive and industrial design | Museums | Planetariums and domes
Projection mapping | Theme parks and attractions | Visualization

Pure laser. Pure image fidelity.

For applications requiring the most pristine visuals possible, the Christie® Mirage 4K40-RGB is the answer. This high-performance 40,000 lumen, 4K resolution, RGB laser projector features advanced TruLife™ electronics and our proprietary RGB laser illumination technology for amazing visualization and 3D experiences.

Incredible image fidelity

Christie TruLife electronics unlocks the full performance potential of RGB laser illumination. Supporting frame rates of 4K 120Hz and 240-480Hz @ 2K resolution, TruLife delivers unrivaled, blur-free visual experiences. Combine this with the

expanded color gamut, high-contrast and high-brightness capabilities of our RGB laser illumination technology and the Mirage 4K40-RGB is ideal for advanced visualization, lifelike 3D experiences and groundbreaking theme park attractions.

All-in-one design

Thanks to our engineering expertise, we designed the smallest and lightest high-brightness RGB laser projector available. There are no heavy external chillers, remote laser racks or special pedestals - everything is completely integrated into a single chassis.



CHRISTIE®

Technical specifications

Christie Mirage 4K40-RGB

Image	brightness	<ul style="list-style-type: none"> • 50,000 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 • 96-120Hz 4K, 240-480Hz 2K scaled
Inputs	standard	<ul style="list-style-type: none"> • HDBaseT • Any one of the optional input cards below
	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 • Christie Terra® (SDVoE) input card • HBMIC
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"> • 285lbs (130kg)

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

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 reduced 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 light source** – Provides easy service and replacement of the laser light source

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

Copyright 2020 Christie Digital Systems USA, Inc. All rights reserved. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. "Christie" is a trademark of Christie Digital Systems USA, Inc., registered in the United States of America and other countries. DLP® and the DLP logo are registered trademarks of Texas Instruments. Performance specifications are typical. Due to constant research, specifications are subject to change without notice.
CD1550_Christie Mirage 4K40-RGB_Datasheet_Sept 2020_EN

