

Christie Eclipse G3

Technical specifications

Image	Brightness	• 30,000 ANSI lumens with high contrast and high brightness lenses	
	Contrast	• Up to 20,000,000:1 (sequential) ¹ with ultra high contrast lenses	
Display technology	Type	• 6DLP	
	Resolution	• 4096 x 2160 (4K)	
Illumination	Type	• Solid-state RGB (red, green & blue) pure laser illumination system	
	Typical performance	• Maintains 100% brightness for the first 50,000 hours	
	Color performance	• ~98% coverage of Rec. 2020	
	Field replaceable	• Yes	
Orientation		• Omnidirectional	
Image processing		• Christie TruLife+™ electronics, 1.2Gpx/s	
Color depth		• 10-bit or 12-bit, subject to resolution and frame rate	
Frame rates		• 2D 4K 24-120Hz • Active 3D capability of 4K 48-60Hz per eye (active 3D accessories not included)	
Inputs	Standard	• 1 x HDMI 2.1 • 2 x HDMI 2.0 • 2 x DisplayPort 1.4 • 2 x DisplayPort 1.2	
		• 4 x 12G-SDI (full-size BNC) • SDVoE (Christie Terra® equipment is optional) • 2x QSFP+: 2 inputs or 1 input/1 output (for optional Christie® Link)	
Warping and blending	Standard	• Christie Twist™	
	Optional	• Christie Twist Premium • Christie Twist Pro • Christie Mystique™	
Multi-projector management	Optional	• Christie Conductor monitors/controls up to 256 projectors on a single network. (Complimentary download)	
Lenses	high contrast ²	• 1.13-1.72:1 • 1.35-1.84:1 • 1.45-2.10:1 • 1.65-2.70:1	
	ultra high contrast ³ (ILS4)	• 0.72:1, 0.9:1, 1.13-1.66:1, 1.45-2.17:1, 1.95-3.26:1, 2.71-3.89:1	
	high brightness (ILS4)	• 0.38:1 UST ⁴ , 0.72:1, 0.9:1, 2.71-3.89:1	
Power		Projector	Chiller
	Line voltage	• Lasers: 200-240 VAC @50-60Hz 24A, single phase ⁵ • Electronics: 100-240 VAC @50-60Hz 6.5A ⁶	• 200-240 VAC @50-60Hz 8.9-11.5A, single phase ⁷
	Power consumption/heat	• Illumination: 3,200 W typical (10,918 BTU/hr), 4,800W max (16,379 BTU/hr) • Electronics: 500 W typical (1,706 BTU/hr), 650W max (2,218 BTU/hr)	• The majority of the heat from the illumination system is exhausted from the chiller via the external closed coolant loop. Up to 28,015 BTU/hr is exhausted at the chiller.
Cooling		• Internal closed liquid cooling loop: air cooled • Chilling loop to external chiller: high-performance water based/propylene glycol solution	• Internal closed loop chiller: refrigerant • External: air cooled • Heating element to maintain stable coolant temperature in the external chiller/projector loop • Standard hose lengths: 10' (3M), 15' (4.5M) 30' (9.1M) Longer and custom lengths are available. Contact an authorized Christie representative for details.
Laser class		• Class 1 – Risk Group 3 • Meets Class 1, Risk Group 2 with the following lenses installed: 0.38:1 UST, 0.72:1 high brightness, 0.72:1 ultra high contrast, 0.9:1 ultra high contrast	
Dimensions	Size (LxWxH)	• 55 x 28 x 24.7" (1397 x 711 x 627mm) without lens and feet	• 23.4 x 14.8 x 37" (595 x 377 x 976mm) incl. casters
	Weight	• 410lbs (186kg)	• 161lbs (73kg)
Sound		• ≤45 dBA up to 23 C	• 66/68 dBA (50/60Hz)
Operating environment		• Optimal: 68-73 F (20-23 C) and stable • Optimal relative humidity: 40-50% non-condensing	• Optimal: 65-82 F (18-28 C) • Maximum: 41-104 F (5 to 40 C) • Humidity: 30 to 70% non-condensing • Altitude: <3,000 m
Warranty		• Three years parts and labor • Reference the Christie Standard Limited Warranty document for details or contact an authorized Christie representative for full details of our limited warranty and extended warranty options	

1. Contrast ratio is up to 10,000,000:1 with high contrast and high brightness lenses.

2. Requires ILS4 lens mounting kit (003-005538-XX).

3. Brightness is reduced by approximately 30% with the use of an ultra high contrast lens.

4. Brightness is reduced by up to 30% with the use of the UST lens. Focus drift can occur with this lens when switching between prolonged periods of light and dark content depending on extreme APL changes.

5. Hard wired connection is required, requires a 30A (North America) or 32A (EU) circuit breaker capacity. Please refer to local codes.

6. C14 input, requires a 15A breaker. Use of Christie supplied uninterruptible power supply is recommended for the electronics.

7. Requires a 30A breaker capacity.

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

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