

CP4440-RGB

Premium large format auditoriums | Advanced format cinema | Event cinema

**World's first advanced format cinema projector featuring
Christie RealLaser™ technology for screens up to 99 feet wide**



Key features:

- › **Hyper realism** - new system architecture that displays content without motion blur and artifacts
- › **Enhanced Wavelength Diversity (EWD)** - utilising MPD technology to improve image quality on all screen types
- › **Ultra-fast processing** - HDMI 2.0 and 4x 12GB SDI inputs for 1.06G pixels per sec
- › **Long-lasting light source** - over 50,000 hours of optimal performance
- › **Low maintenance** - sealed optics for protection against dust ingress
- › **Best-in-class operational efficiency** - 8.9 lumens per watt

CHRISTIE
RealLaser™

Advanced laser light source for accurate reproduction of DCI content



Adds ultra high frame rate providing each eye 2K 120fps, 4K 120fps, 4K 3D 60fps

TEMPERATURE CONTROL

External liquid cooling for optimal thermal efficiency



Specifications

Christie CP4440-RGB

Brightness	nominal	• Up to 45,000 lumens with HB lens, 35,000 lumens with UHC lens ¹
	lifetime	• >50,000 hours ²
Contrast ratio		• Up to 6000:1 sequential with UHC lens, 2000:1 with standard HB lens
Digital micromirror device		• 1.38" Enhanced 4K 3-chip DMD DLP Cinema® • 4096x2160 (4K)
Color gamut	native gamut	• >95% Rec 2020 coverage
Processing electronics		• Christie® CineLife+™ Series (Series-2 IMB compatible) ³ • HDMI 2.0 x2 • 4K120 fps ⁴ • 1G Ethernet x1 • 12G SDI x 4 • DisplayPort 1.2 x2
Lens mount configuration		• Fully motorized Intelligent Lens System (ILS™)
Lenses		• HB and UHC: 0.9:1 (HB) / 1.13-1.66 / 1.31-1.85 / 1.45-2.17 / 1.63-2.71 / 1.95-3.26 / 2.71-3.89
Power input requirements		• Input A and Input B: 200-240 VAC @ 50-60Hz, 16A max • UPS Input: 200-240 VAC @ 50-60Hz, Single phase, 10A max • Chiller: 200-240 VAC @ 50-60Hz, 20A max
Power consumption		• 5300W ⁵ including chiller, max DCI brightness, @25°C 18,085 BTU/
Heat Extraction		• No heat extraction necessary. CFM requirements when used: • Projector 350 CFM min • Chiller 1340 CFM min
Laser class		• Class 1 - Risk Group 3
Noise level		• <70 dBA @ 25°C
Environment		• Ambient temperature: 15-30°C • Humidity (non-condensing): 20-80% • Altitude: <3000 m
Dimensions (w/o lens)	size (LxWxH)	• Projector head: 61.1x28.0x22.0" (1551.1x710.6x559.6mm)
		• Projector pedestal: 53.9x29.8x29.1" (1369.8x756.0x739.4mm)
Weight		• Projector head: 385lbs (175kg)
Chiller dimensions		• (LxWxH): 26.38x18.5x35.0" (670x470x890mm); 202lbs (92kg) • Chiller hose: 33ft (10m)
Accessories		• Rack mount pedestal • 50Hz chiller • 60Hz chiller • Chiller setup kit plumbing • Coolant ⁶ • Chiller setup kit ducts

¹ With Enhanced Wavelength Diversity (EWD).

² Subject to variables specific to each installation. Please see Christie's laser best practices guide for more information.

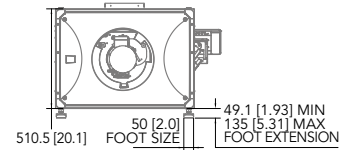
³ Supports legacy Series 2 IMBs. A list of supported versions is available upon request.

⁴ With the GDC SR-6400 IMB.

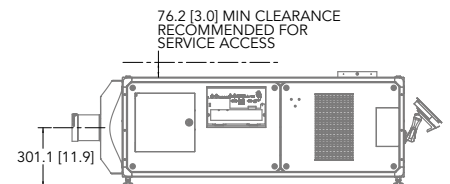
⁵ Typical power consumption. May be impacted by environmental conditions.

⁶ 10L bottle of 702 coolant. Requires 3 bottles per projector.

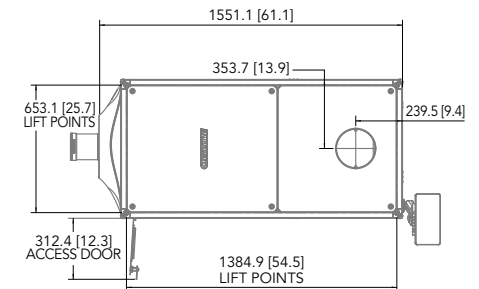
Front view



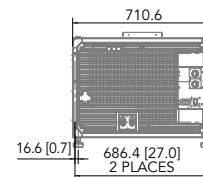
Side view



Top view



Back view



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

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