

# CP4420-RGB

Medium-screen auditoriums | Event cinema | Post production | Screening rooms

Advanced, yet affordable, DCI compliant cinema projection featuring Christie RealLaser™ technology for screens up to 63 feet wide



## Key features:

- › **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
- › **Enhanced Wavelength Diversity (EWD)** - utilising MPD technology to improve image quality on all screen types
- › **Low maintenance** - sealed optics for protection against dust ingress
- › **Hyper realism** - new system architecture that displays content without motion blur and artifacts
- › **Best-in-class operational efficiency** - 10.6 lumens per watt

**CHRISTIE**  
RealLaser™

Advanced laser light source for accurate reproduction of DCI content

**CineLife+**™

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

**DIGITAL CINEMA CONFIGURATOR**

Help find the right lens for your projector on our website



## Specifications

## Christie CP4420-RGB

<b>Brightness</b>	nominal	• Up to 20,000 lumens <sup>1</sup>
	lifetime	• >50,000 hours <sup>2</sup>
<b>Contrast ratio</b>		• Up to 6000:1 full field on/off <sup>3</sup>
<b>Digital micromirror device</b>		• 1.38" Enhanced 4K 3-chip DMD DLP Cinema® • 4096x2160 (4K)
<b>Color gamut</b>	native gamut	• >95% of Rec 2020 coverage
<b>Processing electronics</b>		• Christie® CineLife+™ Series (Series-2 IMB compatible) <sup>4</sup> • HDMI 2.0 x2 • 4K120 fps <sup>5</sup> • 1G Ethernet x1 • 12G SDI x 4 • DisplayPort 1.2 x2 • Remote UI • Electronic Color Convergence (ECC)
<b>Lens mount configuration</b>		• Fully motorized Intelligent Lens System (ILS™)
<b>Lenses</b>		• HB and UHC: 1.13-1.66 / 1.31-1.85 / 1.45-2.17 / 1.63-2.71 / 1.95-3.26 / 2.71-3.89 / 3.89-5.43 / 4.98-7.69
<b>Power input requirements</b>		• Input A: 200-240 VAC @ 50-60Hz, 15A max • Input B (UPS input): 100-240VAC @ 50-60Hz, 10A max
<b>Cooling</b>		• Liquid pressurized/TEC, self-contained • Heat extraction optional
<b>Power consumption</b>		• 1890W, max DCI brightness, @25°C 6448 BTU/hr
<b>Laser class</b>		• Class 1 – Risk Group 3
<b>Weight</b>		• As installed: 285lbs max (130kg)
<b>Dimensions (w/o lens)</b>	size (LxWxH)	• 37.2 x 28.0 x 20.7" (944 x 711 x 525mm)
<b>Accessories</b>		• Rack mount pedestal • Rack mount pedestal adaptor • Extraction duct adaptor • Touch panel controller (optional) • Enhanced 4K HB and UHC lens suite available

<sup>1</sup> With existing high brightness cinema lens.

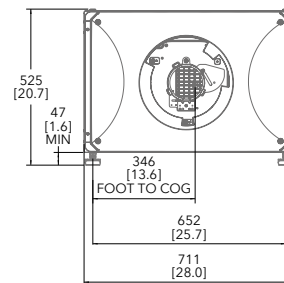
<sup>2</sup> Subject to variables specific to each installation. Please see Christie's laser best practices guide for more information.

<sup>3</sup> With new UHC cinema lens.

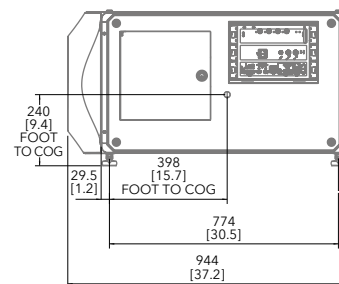
<sup>4</sup> Supports legacy Series 2 IMBs. A list of supported versions is available upon request.

<sup>5</sup> With the GDC SR-6400 IMB.

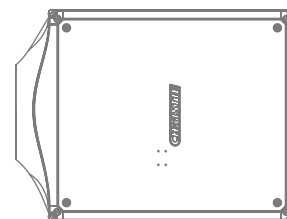
## Front view



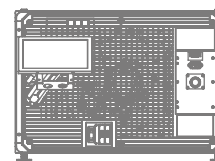
## Side view



## Top view



## Back view



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For the most current specification information, please visit [christiedigital.com](http://christiedigital.com)

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