CP4415m-RGBH

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

The next phaze of cinema illumination featuring Christie CineLife+™ electronics and Phazer™ illumination technology for post-production and cinema screens up to 52′ (16m) wide.

Key features:

- **0.98″ 4K SST DMD** – optimized for optical performance in a more cost-effective and compact projector
- **Hybrid RGB laser with phosphor** – stunning visuals for all post-production and cinema screens, including high-gain silver screens
- **Best-in-class operational efficiency** – 14.2 lumens per watt
- **Smaller, quieter form factor** – ideal for small spaces and boothless installations with a compact chassis and less than 43dBA
- **Backward compatibility** – fully compatible with existing 0.98″ m2K cinema lenses and accessories
- **Less maintenance, less downtime** – fully sealed optical path protects against dust ingress and only requires tool-free filter cleaning or replacement once per year in optimal environments
- **Day-one performance** – electronic color convergence (ECC), Christie LiteLOC™, and enhanced wavelength diversity (EWD) ensure every screening looks as good as they did on day one

CHRISTIE PHAZER

Hybrid laser light source designed to fit the needs of your cinema and budget

CineLife+™

Advanced electronics featuring 4K 120 HFR capabilities, Electronic color convergence (ECC), ScreenFit™, and Mystique Cinema™

CINEMASTER CINEMA CALCULATOR

Find the right lens for your projector

Specifications		Christie CP4415m-RGBH
Brightness	nominal	• Up to 15,000 lumens[1]
	lifetime	• >50,000 hours[2]
Contrast ratio		• Up to 6,000:1 full field on/off with UHC cinema lens • 2,500:1 Nominal full field on/off with HB lens
Digital micromirror device		• 4K 0.98" SST 3-chip DMD DLP Cinema® • 4096 x 2160 (4K)
Color gamut	native gamut	• DCI-P3 with more color options to come
Processing electronics		• Christie CineLife+ Series (Series-2 IMB compatible)[3,4] • HDMI 2.0 x2 • 1G Ethernet x1 • 12G SDI x 4 • DisplayPort 1.2 x2 • Remote UI • Electronic color convergence (ECC) • Future compatibility with Christie VDR®
Lens mount configuration		• Fully motorized Intelligent Lens System (ILS™)
Lenses		• HB and UHC: 1.05:1 fixed / 1.20 - 1.75:1 / 1.39 - 1.90:1 / 1.50 - 2.20:1 / 1.75-2.40:1 / 1.90 - 3.00:1
Power input requirements		• Input A: 200-240 VAC at 50-60 Hz, 16A • Input B (UPS input): 100-240VAC at 50-60 Hz, 10 A max
Cooling		• Liquid pressurized/TEC, self-contained • Heat extraction optional
Power consumption		• 14.2 lumens per watt[5]
		• 1060W §, nominal, @25°C 3620 BTU/hr
Laser class		• Class 1 – Risk Group 3
Weight		• As installed: 132lbs max (60kg)
Dimensions (w/o lens)		• Size (LxWxH) 33.5 x 26.8 x 11.98" (850 x 680 x 304 mm)
Accessories		• Rack mount pedestal • Rack mount pedestal adaptor • Extraction duct adaptor • Touch panel controller (optional) • UHC lens suite available

[1] With existing high brightness cinema lens.

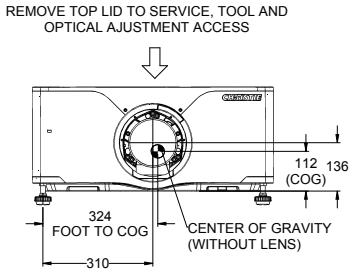
[2] Subject to variables specific to each installation. Please see Christie's laser best practices guide for more information.

[3] Supports legacy Series 2 IMBs. Contact Christie for list of supported models.

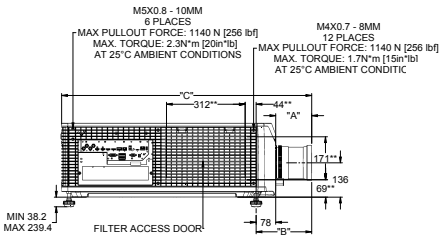
[4] 4K 96fps support for HFR 3D with Christie IMB-S4 and 4K 120fps with the GDC SR-6400 IMB.

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

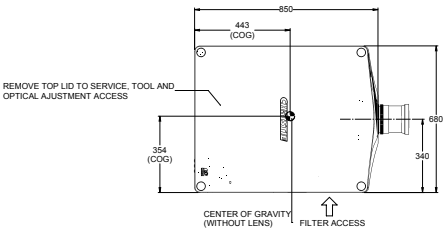
Front view



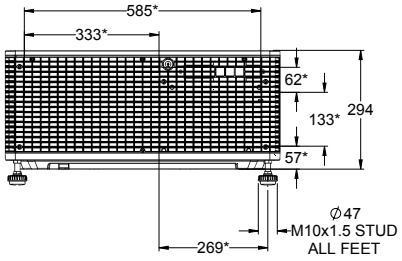
Side view



Top view



Back view



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

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