

CHRISTIE ECLIPSE

TECHNICAL INFORMATION

Key Features:

- **True HDR projector** – Christie Eclipse processes and reproduces true HDR imagery on-screen, at both high and low brightness levels and true 4K resolution, achieving an unparalleled contrast ratio of 20,000,000:1. The result is stunning imagery, with incredible detail in the extreme black and white ranges.
- **Rec. 2020 / Rec. 2100** – Approaches the full Rec. 2020 / Rec. 2100 color space producing highly saturated color for ultra-realistic immersive experiences. What's more, Eclipse exceeds Rec. 2100's minimum 200,000:1 contrast ratio specification by 100x!
- **Makes 'video black' a thing of the past** – Displays true blacks without any residual light, which increases image quality and significantly reduces system complexity, eliminating the need for black-level blending adjustments and masking in multi-projector arrays.
- **High frame rate performance in 2D and 3D*** – Powered by Christie TruLife™ electronics, Eclipse is fully 4K 120fps (4K120), 4:4:4, 10-bit, capable, producing ultra-high resolution, high frame rate video for smooth, blur-free, dynamic visuals. With active 3D performance offering up to 4K at 60fps (4K60) into each eye.
- **Christie View Multi-Player Gaming*** - In addition to supporting single player gaming at 4K120 (wherein it is worth noting that it has been confirmed that both the upcoming Sony Playstation 5 and Microsoft Xbox Series X gaming consoles will support 4K120 gaming), via use of active glasses you can have two players see the whole screen at 4K60, but a completely different screen to everyone else, in other words it will be akin to the two players each having their own full size Christie Eclipse gaming screen at 4K60.
- **Long-life, RGB pure laser illumination** – Enjoy the stability and reliability of solid-state illumination, and 30,000 hours of optimal performance to 80% brightness.
- **Flexibility to choose the brightness level to suit your environment** – From 2000 to 26,500 lumens.

**Requires Christie Mirage optional upgrade*

Specifications:

Resolution	4K (4096 x 2160)
Light Output	2,000 to 26,500 ANSI lumens typical (configurable)
Contrast ratio	20,000,000:1 (sequential)
Display type	6DLP
Illumination type	Christie® RealLaser™ (RGB pure laser, solid state illumination)
Illumination performance	30,000 hours to 80% brightness
Orientation	Landscape 360 degrees and portrait orientation
Image processing	Christie TruLife™ electronics, 1.2Gpx/s pixel clock
Frame rates	24 - 120 fps 4K24 - 4K120
Color Gamut Coverage	Approaching full Rec.2020 / Rec.2100
Color Depth	8-bit / 10-bit / 12-bit
Color Chroma Subsampling	4:2:0 / 4:2:2 / 4:4:4
Standard Inputs	<ul style="list-style-type: none">- One input card for slot 0 (specified at time of order)- HBMIC (2 x 12G-SDI, HDMI 2.0, DisplayPort 1.2, 1x QSFP+ module for fiber use with Christie Link Transmitter)- QDPIC (Quad DisplayPort 1.2 input card) or- TSIC (Terra SDVoE input card)

Optional Inputs	<p>Slots 1 to 4:</p> <ul style="list-style-type: none"> - Dual 3G SD/HD-SDI input card - Dual Link DVI input card - Dual DisplayPort input card - Twin HDMI input card
Warping & Blending	<p>Standard: Christie Twist</p> <p>Optional:</p> <ul style="list-style-type: none"> - Christie Twist Premium and Twist Pro - Christie Mystique®
High Contrast Lenses	<ul style="list-style-type: none"> • 1.13-1.66:1 • 1.31-1.85:1 • 1.45-2.17:1 • 1.63-2.71:1 • 1.95-3.26:1
Dimensions	<p>PROJECTOR HEAD:</p> <ul style="list-style-type: none"> • 784x1049x845mm (31 x 41.5 x 33.5in) (WxLxH) <p>LASER RACK:</p> <ul style="list-style-type: none"> • 778x803x690mm (30.6 x 31.6 x 27.1) (WxLxH) <p>CHILLER:</p> <ul style="list-style-type: none"> • 377x592x976mm (14.8 x 23.3 x 38.4) (WxLxH)
Weight	<p>PROJECTOR HEAD:</p> <ul style="list-style-type: none"> • 157kg (346lbs) without lens <p>LASER RACK:</p> <ul style="list-style-type: none"> • 150kg (331lbs) <p>CHILLER:</p> <ul style="list-style-type: none"> • 67kg (148 lbs)

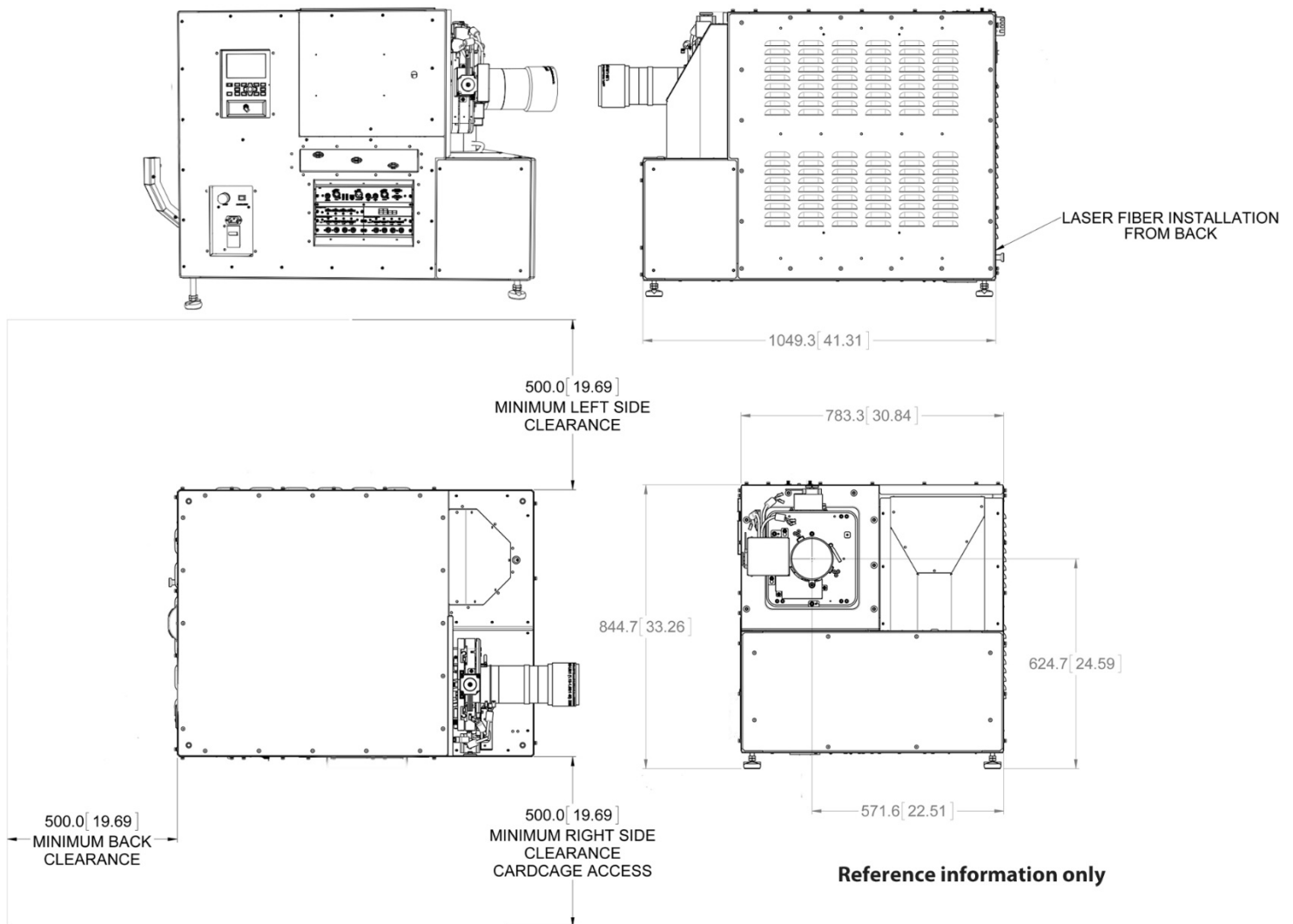
Input Line Voltage	<p>PROJECTOR HEAD:</p> <ul style="list-style-type: none"> 200-240VAC @50-60Hz, 15A, single phase. Draws 7A @ 200-230 VAC, but a 15A circuit is recommended. <p>LASER RACK:</p> <ul style="list-style-type: none"> 200-240VAC @50-60Hz, 30A, single phase. Draws up to 24A @ 200-230VAC, so a 30A circuit is required. <p>CHILLER:</p> <ul style="list-style-type: none"> 200-240VAC @50-60Hz, 30A, single phase* Draws up to 11.5A, but requires a 30A circuit for inrush. <p>*The chiller required for 26K lumen model is 3-phase; alternatively, 2 single phase chillers might be used.</p>
Cooling	<p>PROJECTOR HEAD: Air cooled, self-contained</p> <p>LASER UNIT: Chiller required. Can be placed up to 100 feet (30 meters) away.</p>
Laser Class	Class 1 – Risk Group 3
Fiber Length	Standard 26 or 33 feet / 8 or 10 meters. Other lengths also available, up to 164 feet / 50 meters (25% light reduction at maximum length)
Operating Sound Level	<p>62 – 80 dBA**</p> <p>**Subject to operating brightness level and environment</p>
Operating Environment	<p>61-86°F (16-30°C) ambient Relative humidity: 20-80% ambient, non-condensing</p>
Warranty	Three years parts and labor (projector head and laser unit). Extended warranty available.
Lead Time	12-16 Weeks

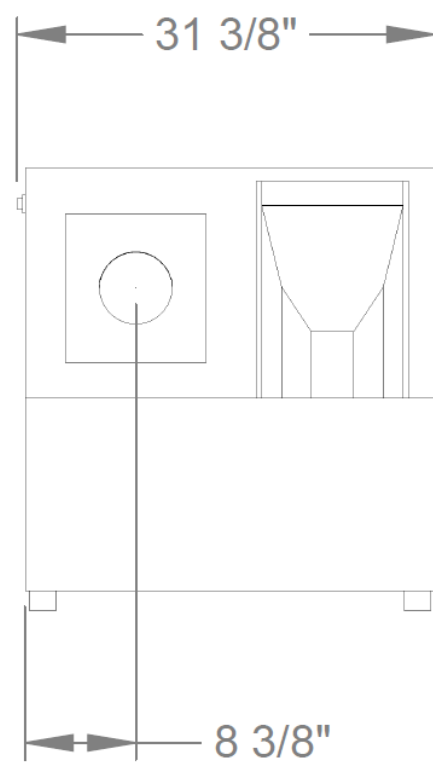
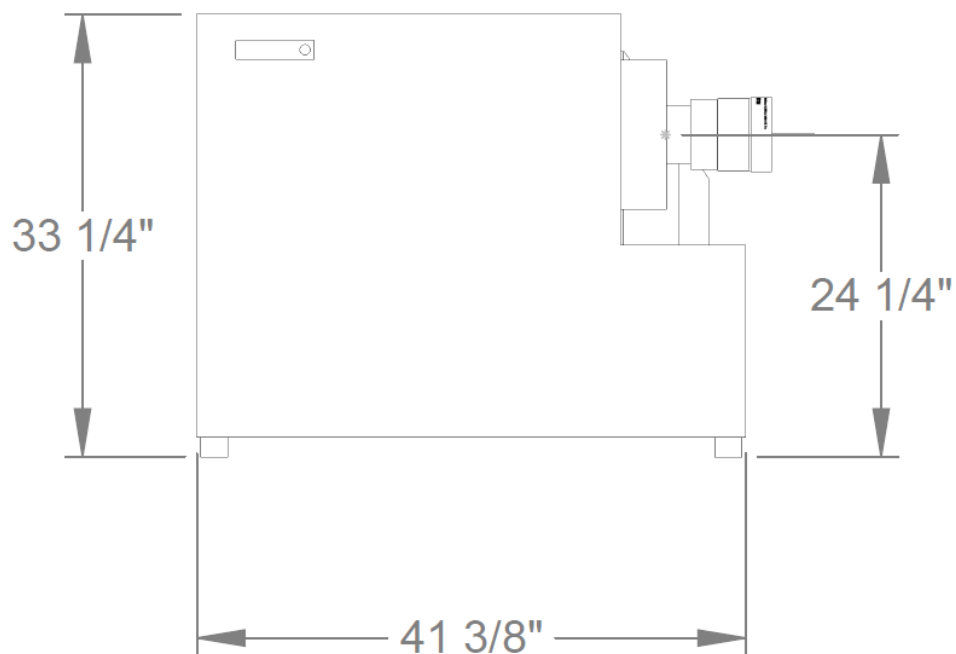
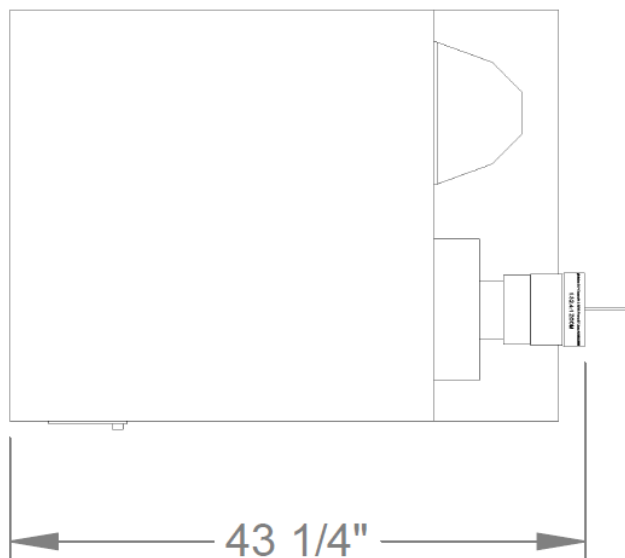
PROJECTOR HEAD:

Dimensions: 784x1049x845mm (31 x 41.5 x 33.5in) (WxLxH)

Circuit size: Single Phase 200-240VAC 15A

Weight: 157kg (346lbs) without lens



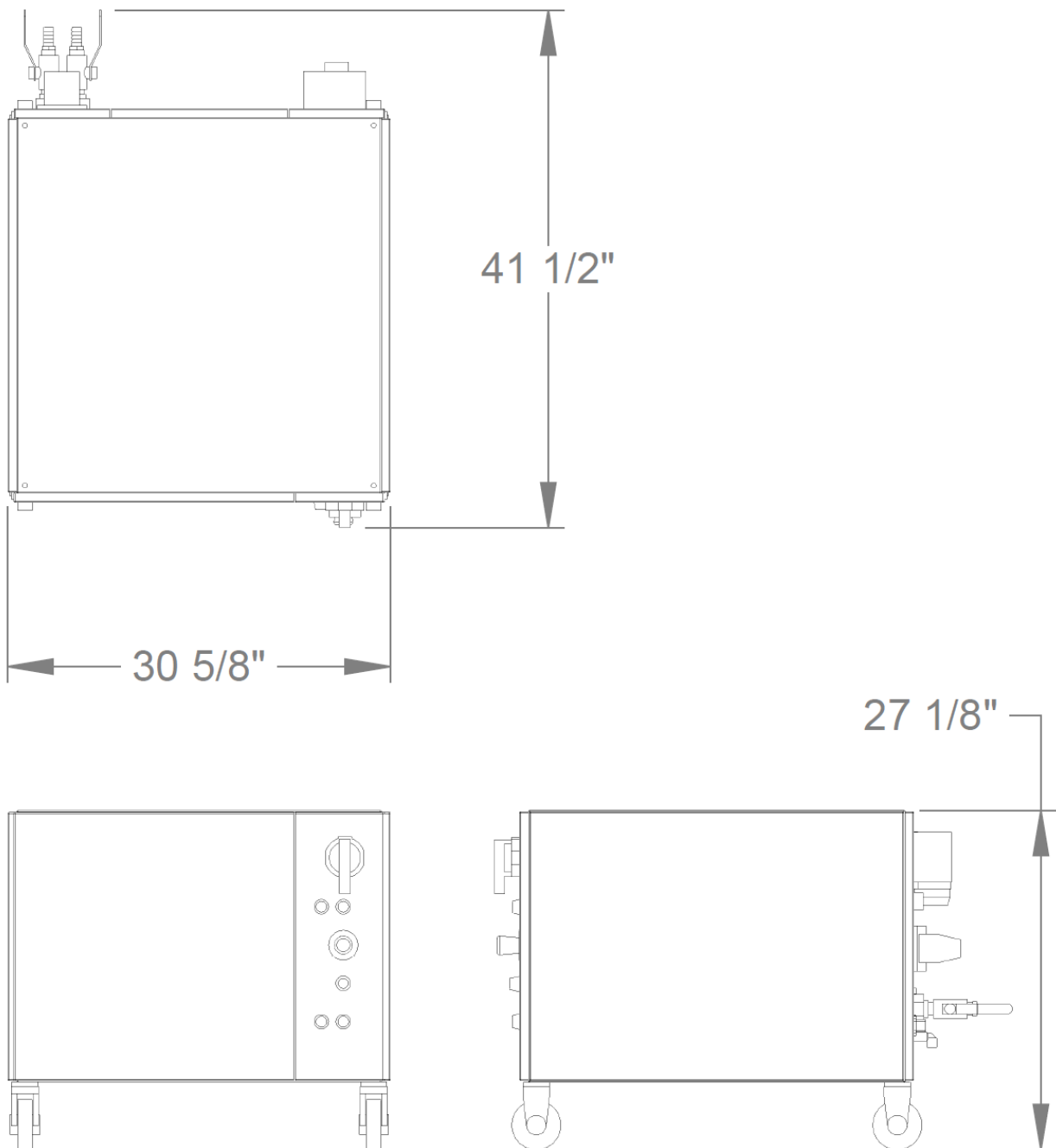


LASER RACK:

Dimensions: 778x803x690mm (30.6 x 31.6 x 27.1) (WxLxH)

Circuit size: Single Phase 200-240VAC @ 50-60Hz

Weight: 150kg (331lbs)



CHILLER:

Dimensions: 377x592x976mm (14.8 x 23.3 x 38.4) (WxLxH)

Circuit size: Single Phase 200-240VAC*

Weight: 67kg (148lbs)

*The chiller required for 26K lumen model is 3-phase; alternatively, 2 single phase chillers might be used.

