M Series

Audience events
Auditoriums
Boardrooms
Broadcast studios
Conference rooms
Home cinema
Houses of worship
Post-production
Training rooms
And more...

Redefine your expectations.

CHRISTIE®

We didn't just raise the bar, we redefined the entire game.

The Christie M Series for today and tomorrow

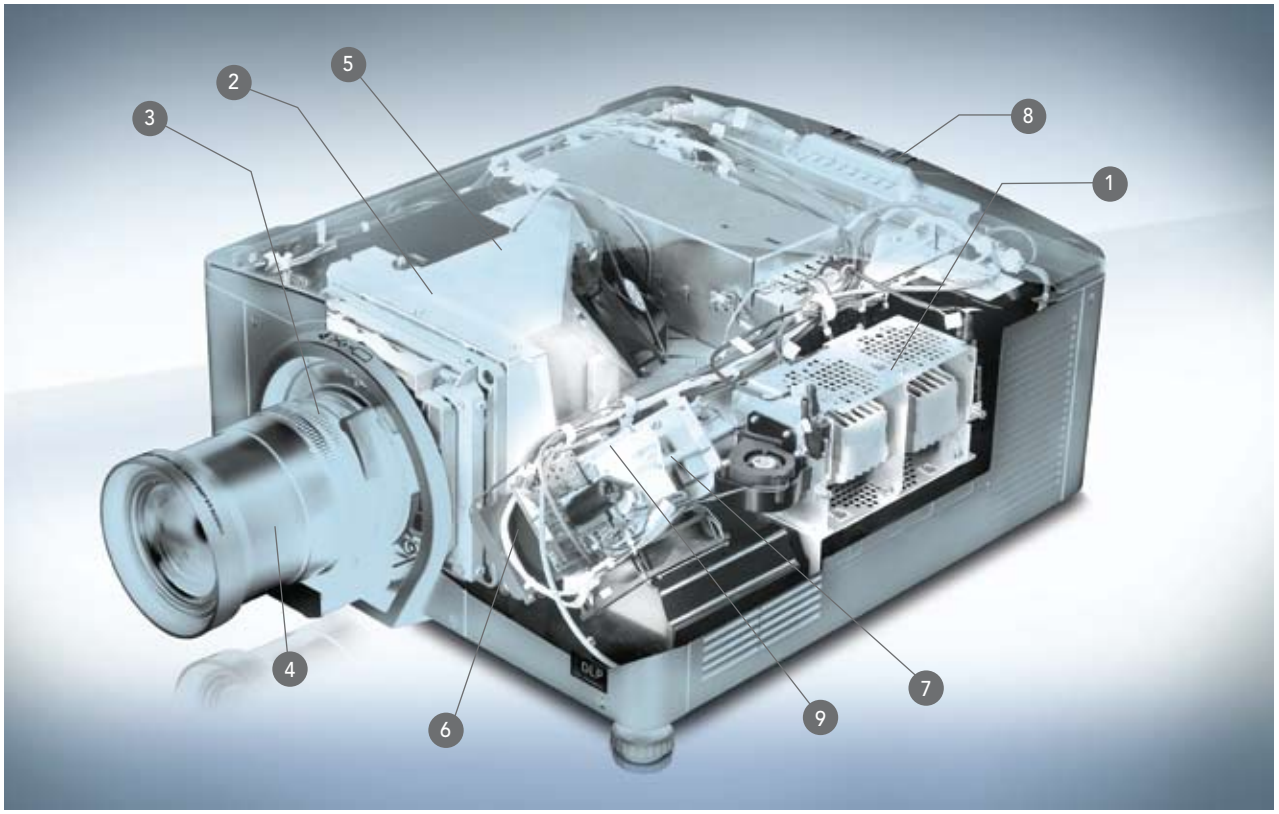
We've designed the M Series, a flexible, efficient line of 3-chip DLP® projectors, with your needs in mind. We've thought of it all, put it into a sleek, compact chassis and provided you with a full set of options.

The most compact in its class, this dual mercury lamp platform provides the high-performance and feature-rich standards you've come to expect from all Christie products. You'll see that we continue to deliver brightness, versatility, reliability, affordability and now, we've made it possible to future-proof your investment. Select M Series[1] projectors can now be upgraded from their existing 2D display technology to include 3D capabilities – ensuring your 3D needs are met for today and tomorrow.

Ranging from 2850 ANSI (3135 center) lumens (single lamp, 200W) to 10,500 ANSI (11,550 center) lumens (dual lamp, 350W), each of the M Series projectors offer high efficiency and low cost of ownership by operating at 1320W – giving you full brightness while using less power. These projectors employ feedback systems to determine the number of lamps and power level used to adjust the fan speed required to cool the system.

The Christie M Series platform includes four resolutions, WXGA (1366 x 768), SX+ (1400 x 1050), HD (1920 x 1080) and WUXGA (1920 x 1200), all with a variable contrast ratio of 2500-10,000:1[2] full on/full off (650:1 ANSI) for crisp, detailed images. Each of the projectors in the series can also be fitted with the broadest range of high-quality lenses – all with true Intelligent Lens System (ILS™) capabilities.

All this, combined with a 3-year warranty and our industry-leading service and support, enables the M Series to provide high performance and peace of mind for everyone.



[1] Dual-lamp system[3,4]

High-efficiency, dual-lamp system
200W or 350W (two-lamp system)
120V (operation) for full brightness
At maximum brightness 10,500 ANSI (11,550 center) lumens the unit only draws 1320W (350W lamp)
Stand-by power consumption (phantom power draw) is less than 20W
Lamps can be hot swapped while projector is powered on and in use

Brightness		200W	350W
Dual lamp	max power	6300 ANSI lumens (6930 center lumens)	10,500 ANSI lumens (11,500 center lumens)
	min power	4725 ANSI lumens (5200 center lumens)	8535 ANSI lumens (9400 center lumens)
Single lamp	max power	3150 ANSI lumens (3465 center lumens)	5250 ANSI lumens (5775 center lumens)
	min power	2360 ANSI lumens (2600 center lumens)	4260 ANSI lumens (4700 center lumens)

▲ Lumen values are for SX+ models. Flexible lumens levels at various lamp powers. Lamp power is specific to each model and cannot be interchanged.

[1] WXGA models are not 3D capable. [2] Using dynamic iris.
[3] US Patents 7,230,768; 6,205,271; 6,734,957. [4] Patent pending.

▲ 3-chip DLP® technology

▲ Intelligent Lens System

▲ Full suite of lenses

▲ Dust sealed engine

[2] Image quality

3-chip DLP® technology, high-quality optics and world-class 10-bit image processing.

With low maintenance and highly reliable (>100,000 hours) DLP® technology, the Christie M Series delivers:

- High brightness
- Excellent color
- Excellent uniformity
- High contrast
- Excellent fill ratio

[3] Intelligent Lens System (ILS™)

The ILS automatically recognizes and calibrates a lens when it is installed. Stepper motor based encoding ensures that motor drift does not occur, as typically found with DC encoded motors, providing accurate and repeatable recall of all lens offset, zoom and focus positions. This lens system ensures that the images adjust to optimize screen coverage and maintain alignment in applications with moving screens or variable aspect ratios.

[4] Expanded lens suite

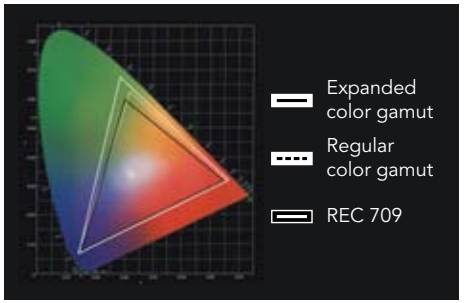
With the addition of a short zoom (1.25-1.6:1 SX+/1.16-1.49:1 HD) and a long zoom (7.5-11.2:1 SX+/6.9-10.4:1 HD), this expanded suite provides the broadest range of HD lenses in this marketplace.

[5] Dust sealed engine

M Series projectors can operate filter-free because of dust-sealed engines and optics. Since dust and dirt cannot affect the system and filters are not required, image quality is maintained and maintenance costs are lower. Removable side panels enable the addition of optional coarse dust and fog juice filters for projectors that are exposed to harsh environments.

[6] Motorized yellow notch filter[1]

The motorized yellow notch filter optically expands the color gamut for richer greens and yellows. Since you lose some brightness by improving the greens and yellows, this is a channel-configurable option which enables you to decide when it is needed. This filter, available on M Series HD and WUXGA models only, is ideal when video is being displayed.



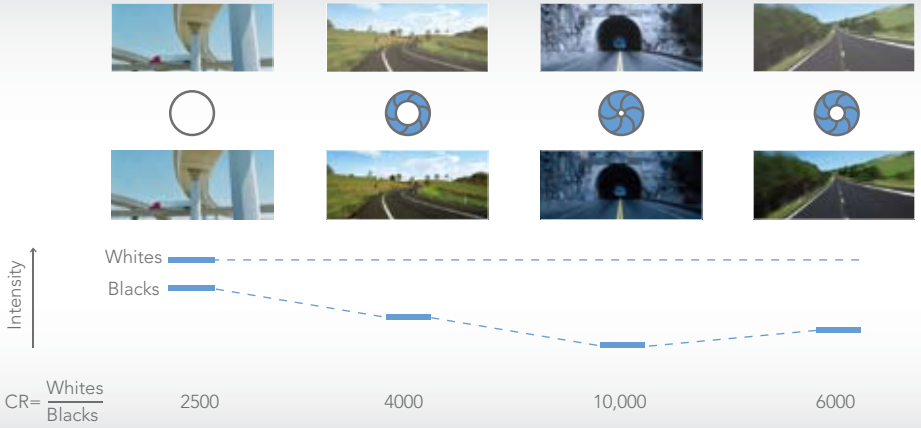
▲ Standard color gamut

▲ Expanded color gamut

[1] Patent pending.

[7] Dynamic iris

Ideal for video applications, the dynamic iris is a channel-configurable option. It automatically adjusts an internal iris to extend the range of blacks and provide richer details during dark scenes for true image reproduction. A variable contrast ratio of 2500-10,000:1 produces a picture with a rich, dynamic appearance.



No Dynamic iris – standard contrast ratio.

Dynamic iris – this feature dramatically increases the on/off contrast ratio of the system. A fast-acting dynamic iris optically minimizes the black levels in the image while electronically increasing the gain in the image which enhances the overall detail in the blacks.

[8] Embedded Christie Twist™

Standard in all Christie M Series models, Christie Twist™ enables seamless white and black level edge-blending of multiple curved images faster and more easily than through traditional, manual methods. Controlled by an easy-to-use GUI, users can expertly control and edge-blend or stack multiple curved images. As well, images can be warped to fit virtually any dimension or shape display. Embedded Christie Twist ensures that all M Series projectors work with value-added accessories, such as Christie AutoStack™.

▲ Easy-to-use GUI

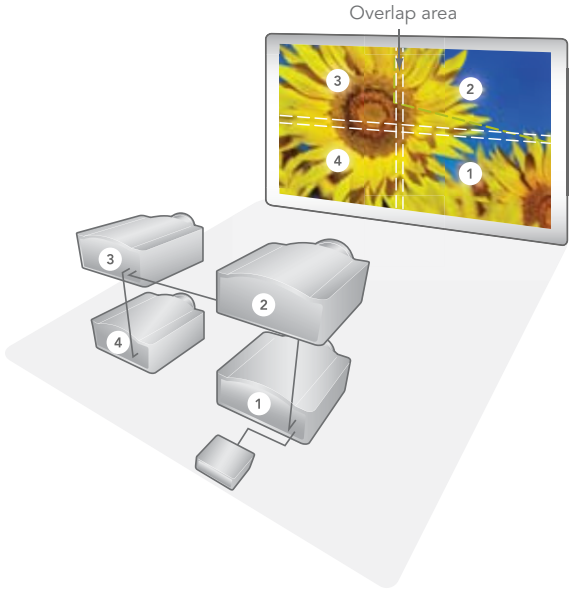
▲ Easy-to-use GUI

▲ Image on curved screen – without blending

▲ Curved screen – with blending

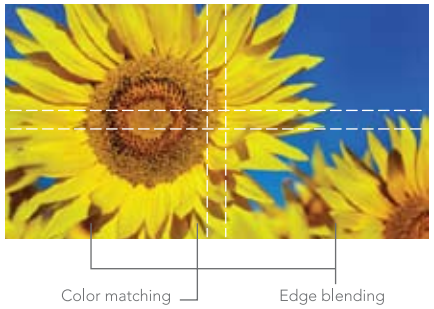
[8] Multi-window/screen processing

External processors are not required for simple, small tiled and blended arrays, therefore lowering your costs for installation. Each M Series projector has the ability to send signals to multiple projectors (up to a 3 x 3 array) without any additional hardware or software. The projectors in the tiled array can then show only the portion of the signal that they need to project.



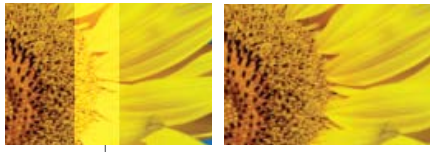
[8] Embedded edge blending and color matching

Advanced blending capabilities and Comprehensive Color Adjustment (CCA™) ensure digitally accurate color matching and uniformity across multi-screen blended or tiled images.

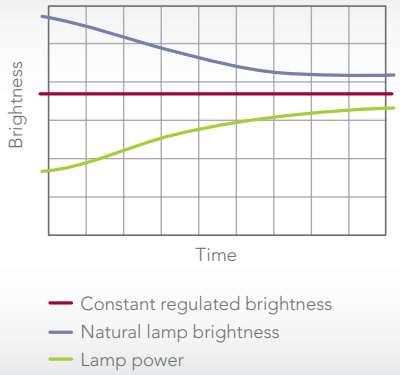


▼ Without edge blending

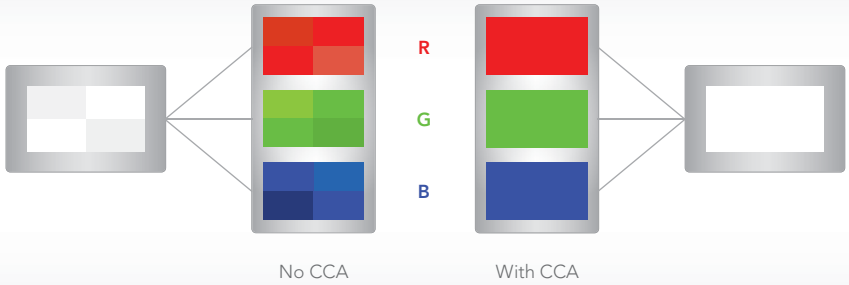
▼ With edge blending



Lamp Power Management (LPM™)



Comprehensive Color Adjustment (CCA™)



[8] Projector control and management

Users can access all projector menus and control through a web interface (via Ethernet) without disrupting the live presentation. This allows for real-time adjustments and monitoring of each projector on the network – regardless of geographic location.

▲ Main page controls and information

▲ Virtual On Screen Display (OSD): access full menu structure, remotely

▲ Status and diagnostics: display alarm events for quick projector monitoring and diagnosis

▲ Admin screen includes upload, backup, restore and more

[8] Automatic shut-off

This feature lowers the cost of ownership by reducing power consumption and extending lamp life when the projector is not in use. In this mode, if a signal is not detected, the projector will slowly dim the lamps then shut off one lamp. If there is still no signal, the system will go into standby mode. If a signal is detected during the ramp-down phase, the unit will revert back to its full power, dual lamp mode.

[9] LiteLOC™

The LiteLOC™ feature automatically manages your display's brightness levels over time so that you can match the brightness of a multiple projector system in tiled or blended arrays. This feedback system continuously monitors lamp brightness, so that as the lamp goes through its natural brightness decay, the system increases the lamp power in order to maintain consistent brightness.

◀ Without LiteLOC

◀ With LiteLOC

Aspect ratios

Wide screen ratios provide a multitude of benefits in a variety of different projection applications. Carefully matching the pixel format of the projector with that of the sources to be displayed will ensure the best image quality and maximum impact. The M Series offers 4:3, 16:9 and 16:10 models to match the aspect ratio requirements of any application.

[8] Input cards

In total, there are four input card slots available. Each projector is equipped with a standard set of input cards.

Analog input card

The Analog input card accepts an analog video signal input over a 5 BNC connector interface. It can accept RGBH&V signals over 5 connectors, as well as component YPbPr signals on the RGB inputs.

DMX512 interface card

This interface card supports the DMX512 communication standard through two 5-pin XLR connectors.

Dual link DVI input card

The Dual link DVI input card has a 15-pin VGA connector for analog signals and a DVI-I connector which can support a single- or dual-link DVI HDCP video signal. The card can simultaneously support a digital signal on the DVI input and an analog signal on the VGA port.

Twin HDMI™ input card

The Twin HDMI™ input card accepts two HDMI inputs and provides 12-bit deep color handling on the input. It also supports the HDMIv1.4a format required for 3D systems providing the projector is upgraded with 3D capabilities. Additionally, advanced loop-through allows any input on any input card to be looped through to the two HDMI outputs on the card.

This functionality ensures that when stacking systems with any input (DVI, RGBHV or HDMI), the Twin HDMI card can be used to send the signal to a second projector. This stacked system is also a passive loop-through providing the repeater projector has AC power, even when powered off, the signal will continue to be looped out to the second projector.

Dual SD/HD-SDI input card

The Dual SD/HD-SDI input card accepts both standard-definition (SD) and high-definition (HD) serial-digital-interface (SDI) signals, and enables the user to connect two of either types of signal. Both single-link HD and dual-link HD signals are accepted. This card also has two SD/HD-SDI outputs to enable “loop-through” for its respective input.

Video decoder input card

The Video decoder input card accepts various types of standard definition (SD) video, including CVBS (composite video), S-video, and component. It accepts NTSC 3.58, NTSC 4.4, PAL, PAL-N, PAL-M or SECAM formats. This card has two mini-DIN connectors (for S-video signals) and four BNC connectors that can be grouped to allow combinations of CVBS, S-Video, YPrPb or RGB video sources.

▲ Optional stacking frame

▲ Replacement lamp

▲ Optional lenses

▲ Optional portrait display adapter

▲ Optional Christie AutoStack

▲ Optional ceiling mount

Proven 3D technology

Whether you need 3D capability today or tomorrow, Christie makes it easy to future-proof your investment by being the first in the industry to offer full upgrade paths for existing M Series[1] (2D) projectors to Mirage M Series (3D) models.

Christie Mirage M Series upgrade kits	
Part number	Description
118-117100-01	Kit upgrade DS+6K-M to Mirage
118-118101-01	Kit upgrade DS+10K-M to Mirage[2]
118-119102-01	Kit upgrade HD+6K-M to Mirage
118-120104-01	Kit upgrade HD10K-M to Mirage[2]
118-121105-01	Kit upgrade WU7K-M to Mirage
118-122106-01	Kit upgrade WU12K-M to Mirage[2]

Dual-frequency receiver

The dual-frequency (38kHz and 455kHz) receiver ensures the projector receives signals at increased distances between the remote and projector and reduces the affect of interference from lighting.

LCD keyboard

This easy-to-use LCD keypad includes:
Contextual menus provide a fully-featured, intuitive interface; removing the need for a cluttered keypad
Large, four line LCD display
Adjustable brightness and timed LCD off mode
Intuitive keypad design that lights up when features are active – making it user friendly
Active keys are color-coded amber to indicate that selections will result in changes visible to the audience

Accessories

Whatever you need, Christie has a large selection of optional accessories. Create the projector you need by choosing from eight lenses, various input cards and much more.

Filters (optional)

If the environment you're working in requires more than the protection of our dust sealed engine, choose from one of two filters (coarse dust and fog juice). Help extend the life of your projector and protect your investment from dirt, dust, sand as well as fog, smoke, hazers and pyrotechnics. Each M Series projector is equipped with two removable side panels that are designed to hold a filter, if required.

Christie AutoStack™

Christie AutoStack™ is a software driven, camera-based system that enables stacking and blending of projector arrays in a fraction of the time it takes to do manually and automates the regular maintenance of a blended display. It is designed for use on a flat screen and supports various screen sizes and aspect ratios, using screen points for quick geometric calibration.

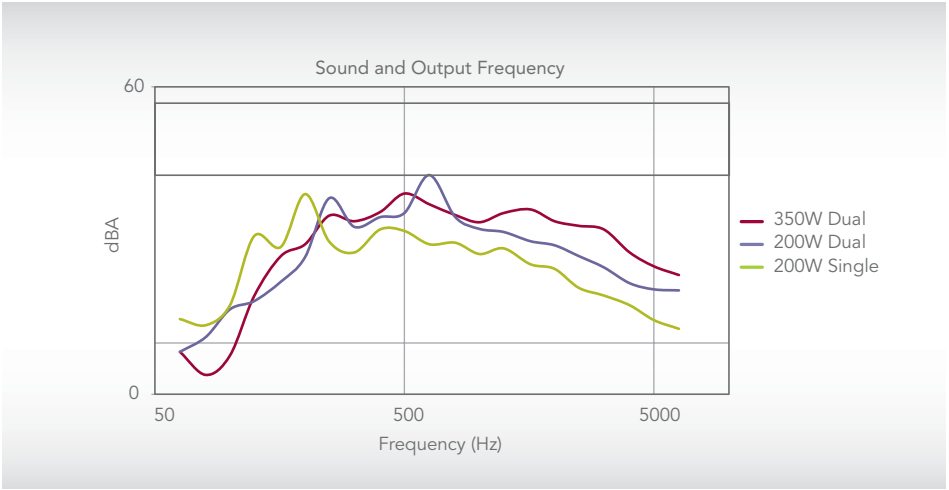
▲ Option rse dust filter

▲ Optional fog juice filter

[1] WXGA models are not 3D capable.
[2] Can also be used with equivalent Christie M Series Roadster model.

▲ Roadster HD10K-M

▶ Sound is reduced in the various modes, as well, high pitched, annoying frequencies are minimized for optimal sound quality.



Roadster models

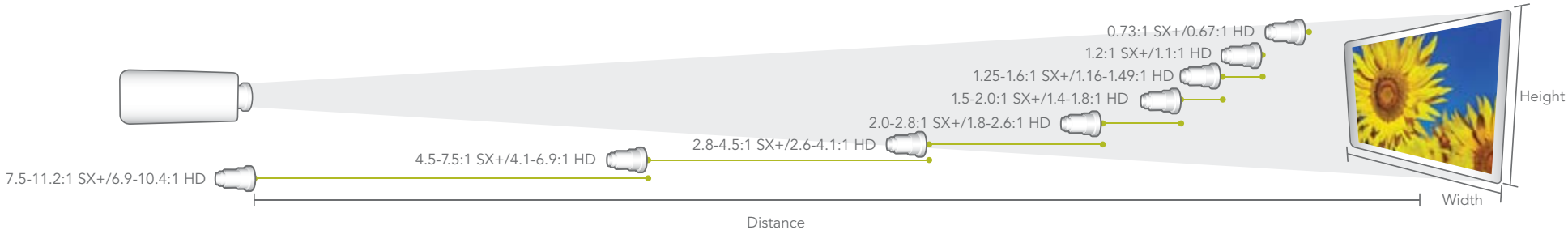
The Christie M Series Roadster models have been designed with stagers in mind. The Roadster S+10K-M, Roadster HD10K-M and Roadster WU12K-M ship equipped with more input cards than the other M Series models, as well as a stacking frame.

Quiet operation

When a presentation depends on the full attention of the audience, noise from a projector can be distracting. The filter-free design with auto-sensing fan and temperature sensors automatically adjust for a virtually noise-free operation.

	Description	Part number
Lens - fixed	Lens ILS 0.73:1 SX+/0.67:1 HD	118-100110-XX
	Lens ILS 1.2:1 SX+ /1.1:1 HD	118-100117-XX
Lens - zoom	Lens ILS 1.25-1.6:1 SX+/1.16-1.49:1 HD	118-100111-XX
	Lens ILS 1.5-2.0:1 SX+/1.4-1.8:1 HD	118-100112-XX
	Lens ILS 2.0-2.8:1 SX+/1.8-2.6:1 HD	118-100113-XX
	Lens ILS 2.8-4.5:1 SX+/2.6-4.1:1 HD	118-100114-XX
	Lens ILS 4.5-7.5:1 SX+/4.1-6.9:1 HD	118-100115-XX
	Lens ILS 7.5-11.2:1 SX+/6.9-10.4:1 HD	118-100116-XX
Lamps[1]	Assembly 350W lamp	003-100857-XX
	Assembly 200W lamp	003-100856-XX
Input cards	Analog input	108-309101-XX
	Dual link DVI input	108-312101-XX
	Video decoder input	108-310101-XX
	Dual SD/HD-SDI input	108-313101-XX
	Twin HDMI input	108-311101-XX
	DMX512 interface	108-314101-XX
Miscellaneous accessories	Coarse dust filter pack M Series	118-100104-XX
	Fog juice filter pack M Series	118-100105-XX
	Stacking frame	118-100107-XX
	Ceiling mount	118-100108-XX
	Ceiling mount extension	104-101001-XX
	Portrait display adapter	118-116109-XX
	ILS lens adapter kit	108-331108-XX
	Christie AutoStack™	108-308101-01

[1]Lamp power is specific to each model and cannot be interchanged.



			Lens name									
			0.73:1 SX+/ 0.67:1 HD	1.2:1 SX+/ 1.1:1 HD	1.25-1.6:1 SX+/1.16-1.49:1 HD		1.5-2.0:1 SX+/ 1.4-1.8:1 HD	2.0-2.8:1 SX+/ 1.8-2.6:1 HD	2.8-4.5:1 SX+/ 2.6-4.1:1 HD	4.5-7.5:1 SX+/4.1-6.9:1 HD	7.5-11.2:1 SX+/6.9-10.4:1 HD	
			Lens throw ratio									
	Screen size		0.73	1.2	1.25	1.6	1.5	2	2.8	4.5	7.5	11.2
	Screen width – ft (m)	Screen height – ft (m)	Throw distance – ft (m)									
SX+ (4:3)	4.8 (1.5)	3.6 (1.1)	3.5 (1.1)	5.8 (1.8)	6.0 (1.8)	7.7 (2.3)	7.2 (2.2)	9.6 (2.9)	13.4 (4.1)	21.6 (6.6)	36.0 (11.0)	53.8 (16.4)
	6.4 (2.0)	4.8 (1.5)	4.7 (1.4)	7.7 (2.3)	8.0 (2.4)	10.2 (3.1)	9.6 (2.9)	12.8 (3.9)	17.9 (5.5)	28.8 (8.8)	48.0 (14.6)	71.7 (21.8)
	12.8 (3.9)	9.6 (2.9)	9.3 (2.8)	15.4 (4.7)	16.0 (4.9)	20.5 (6.2)	19.2 (5.9)	25.6 (7.8)	35.8 (10.9)	57.6 (17.6)	96.0 (29.3)	143.4 (43.7)
	20.0 (6.1)	15.0 (4.6)	14.6 (4.5)	24.0 (7.3)	25.0 (7.6)	32.0 (9.8)	30.0 (9.1)	40.0 (12.2)	56.0 (17.1)	90.0 (27.4)	150.0 (45.7)	224.0 (68.3)
	24.0 (7.3)	18.0 (5.5)	17.5 (5.3)	28.8 (8.8)	30.0 (9.1)	38.4 (11.7)	36.0 (11.0)	48.0 (14.6)	67.2 (20.5)	108.0 (32.9)	180.0 (54.9)	268.8 (81.9)
	32.0 (9.8)	24.0 (7.3)	23.4 (7.1)	38.4 (11.7)	40.0 (12.2)	51.2 (15.6)	48.0 (14.6)	64.0 (19.5)	89.6 (27.3)	144.0 (43.9)	240.0 (73.2)	358.4 (109.2)
	40.0 (12.2)	30.0 (9.1)	29.2 (8.9)	48.0 (14.6)	50.0 (15.2)	64.0 (19.5)	60.0 (18.3)	80.0 (24.4)	112.0 (34.1)	180.0 (54.9)	300.0 (91.4)	448.0 (136.6)
	Screen size		0.75	1.24	1.29	1.65	1.54	2.07	2.84	4.61	7.69	11.49
	Screen width – ft (m)	Screen height – ft (m)	Throw distance – ft (m)									
WX (16:9)	5.2 (1.6)	2.9 (0.9)	3.9 (1.2)	6.5 (2.0)	6.8 (2.1)	8.6 (2.6)	8.0 (2.5)	10.8 (3.3)	14.8 (4.5)	24.1 (7.4)	40.2 (12.3)	60.1 (18.3)
	7.0 (2.1)	3.9 (1.2)	5.2 (1.6)	8.6 (2.6)	9.0 (2.7)	11.5 (3.5)	10.7 (3.3)	14.4 (4.4)	19.8 (6.0)	32.2 (9.8)	53.6 (16.3)	80.1 (24.4)
	13.9 (4.3)	7.8 (2.4)	10.4 (3.2)	17.3 (5.3)	18.0 (5.5)	23.0 (7.0)	21.4 (6.5)	28.9 (8.8)	39.6 (12.1)	64.3 (19.6)	107.2 (32.7)	160.2 (48.8)
	21.8 (6.6)	12.3 (3.7)	16.3 (5.0)	27.0 (8.2)	28.1 (8.6)	36.0 (11.0)	33.5 (10.2)	45.1 (13.7)	61.9 (18.9)	100.5 (30.6)	167.5 (51.1)	250.4 (76.3)
	26.2 (8.0)	14.7 (4.5)	19.6 (6.0)	32.4 (9.9)	33.8 (10.3)	43.1 (13.2)	40.2 (12.3)	54.1 (16.5)	74.2 (22.6)	120.6 (36.8)	201.0 (61.3)	300.5 (91.6)
	34.9 (10.6)	19.6 (6.0)	26.1 (7.9)	43.2 (13.2)	45.0 (13.7)	57.5 (17.5)	53.6 (16.3)	72.2 (22.0)	99.0 (30.2)	160.8 (49.0)	268.0 (81.7)	400.6 (122.1)
	43.6 (13.3)	24.5 (7.5)	32.6 (9.9)	54.0 (16.5)	56.3 (17.2)	71.9 (21.9)	67.0 (20.4)	90.2 (27.5)	123.7 (37.7)	201.0 (61.3)	335.0 (102.1)	500.8 (152.6)
	Screen size		0.67	1.1	1.16	1.49	1.4	1.8	2.6	4.1	6.9	10.4
	Screen width – ft (m)	Screen height – ft (m)	Throw distance – ft (m)									
HD (16:9)	5.2 (1.6)	2.9 (0.9)	3.5 (1.1)	5.8 (1.8)	6.1 (1.8)	7.8 (2.4)	7.3 (2.2)	9.4 (2.9)	13.6 (4.1)	21.4 (6.5)	36.1 (11.0)	54.4 (16.6)
	7.0 (2.1)	3.9 (1.2)	4.7 (1.4)	7.7 (2.3)	8.1 (2.5)	10.4 (3.2)	9.8 (3.0)	12.6 (3.8)	18.1 (5.5)	28.6 (8.7)	48.1 (14.7)	72.5 (22.1)
	13.9 (4.3)	7.8 (2.4)	9.3 (2.8)	15.3 (4.7)	16.2 (4.9)	20.8 (6.3)	19.5 (6.0)	25.1 (7.7)	36.3 (11.1)	57.2 (17.4)	96.2 (29.3)	145.0 (44.2)
	21.8 (6.6)	12.3 (3.7)	14.6 (4.4)	24.0 (7.3)	25.3 (7.7)	32.5 (9.9)	30.5 (9.3)	39.2 (12.0)	56.7 (17.3)	89.3 (27.2)	150.3 (45.8)	226.6 (69.1)
	26.1 (8.0)	14.7 (4.5)	17.5 (5.3)	28.8 (8.8)	30.3 (9.2)	39.0 (11.9)	36.6 (11.2)	47.1 (14.3)	68.0 (20.7)	107.2 (32.7)	180.4 (55.0)	271.9 (82.9)
	34.9 (10.6)	19.6 (6.0)	23.4 (7.1)	38.3 (11.7)	40.4 (12.3)	51.9 (15.8)	48.8 (14.9)	62.8 (19.1)	90.6 (27.6)	142.9 (43.6)	240.6 (73.3)	362.6 (110.5)
	43.6 (13.3)	24.5 (7.5)	29.2 (8.9)	47.9 (14.6)	50.6 (15.4)	64.9 (19.8)	61.0 (18.6)	78.4 (23.9)	113.3 (34.5)	178.7 (54.5)	300.7 (91.7)	453.2 (138.1)
	Screen size		0.67	1.1	1.16	1.49	1.4	1.8	2.6	4.1	6.9	10.4
	Screen width – ft (m)	Screen height – ft (m)	Throw distance – ft (m)									
WU (16:10)	5.1 (1.6)	3.2 (1.0)	3.4 (1.0)	5.6 (1.7)	5.9 (1.8)	7.6 (2.3)	7.1 (2.2)	9.2 (2.8)	13.2 (4.0)	20.9 (6.4)	35.1 (10.7)	52.9 (16.1)
	6.8 (2.1)	4.2 (1.3)	4.5 (1.4)	7.5 (2.3)	7.9 (2.4)	10.1 (3.1)	9.5 (2.9)	12.2 (3.7)	17.6 (5.4)	27.8 (8.5)	46.8 (14.3)	70.6 (21.5)
	13.6 (4.1)	8.5 (2.6)	9.1 (2.8)	14.9 (4.5)	15.7 (4.8)	20.2 (6.2)	19.0 (5.8)	24.4 (7.4)	35.3 (10.8)	55.6 (17.0)	93.6 (28.5)	141.1 (43.0)
	21.2 (6.5)	13.2 (4.0)	14.2 (4.3)	23.3 (7.1)	24.6 (7.5)	31.6 (9.6)	29.7 (9.0)	38.2 (11.6)	55.1 (16.8)	86.9 (26.5)	146.3 (44.6)	220.5 (67.2)
	25.4 (7.8)	15.9 (4.8)	17.0 (5.2)	28.0 (8.5)	29.5 (9.0)	37.9 (11.6)	35.6 (10.9)	45.8 (14.0)	66.1 (20.2)	104.3 (31.8)	175.5 (53.5)	264.6 (80.6)
	33.9 (10.3)	21.2 (6.5)	22.7 (6.9)	37.3 (11.4)	39.3 (12.0)	50.5 (15.4)	47.5 (14.5)	61.1 (18.6)	88.2 (26.9)	139.1 (42.4)	234.0 (71.3)	352.8 (107.5)
	42.4 (12.9)	26.5 (8.1)	28.4 (8.7)	46.6 (14.2)	49.2 (15.0)	63.2 (19.3)	59.4 (18.1)	76.3 (23.3)	110.2 (33.6)	173.8 (53.0)	292.6 (89.2)	441.0 (134.4)

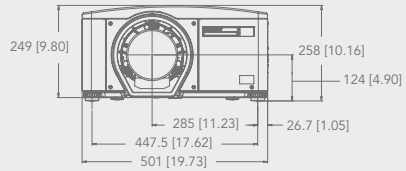
			SXGA+ (4:3)			HD (16:9)			WXGA (16:9)	
			DS+6K-M	DS+10K-M	Roadster S+10K-M	HD6K-M	HD10K-M	Roadster HD10K-M	WX7K-M	WX10K-M
Image	brightness	dual lamp	• 6300 ANSI lumens (6930 center lumens)	• 10,500 ANSI lumens (11,550 center lumens)		• 6000 ANSI lumens (6600 center lumens)	• 10,000 ANSI lumens (11,000 center lumens)		• 5700 ANSI lumens (6270 center lumens)	• 9500 ANSI lumens (10,450 center lumens)
		single lamp	• 3150 ANSI lumens (3465 center lumens)	• 5250 ANSI lumens (5775 center lumens)		• 3000 ANSI lumens (3300 center lumens)	• 5000 ANSI lumens (5500 center lumens)		• 2850 ANSI lumens (3135 center lumens)	• 4750 ANSI lumens (5225 center lumens)
	contrast		• 2500-10,000:1 (full on/off) 650:1 ANSI (typical)							
	uniformity		• 90% brightness uniformity							
Display technology	type		• 3-chip 0.95" DMD						• 3-chip 0.85" DMD	
	native resolution		• SX+ (1400 x 1050)			• HD (1920 x 1080)			• WXGA (1366 x 768)	
Lamp	type		• Dual 200W P-VIP® Osram	• Dual 350W P-VIP® Osram		• Dual 200W P-VIP® Osram	• Dual 350W P-VIP® Osram		• Dual 200W P-VIP® Osram	• Dual 350W PVIP® Osram
	life	high power	• 2000 hrs @ 200W	• 1500 hrs @ 350W		• 2000 hrs @ 200W	• 1500 hrs @ 350W		• 2000 hrs @ 200W	• 1500 hrs @ 350W
		low power	• 3000 hrs @ 150W	• 2000 hrs @ 300W		• 3000 hrs @ 150W	• 2000 hrs @ 300W		• 3000 hrs @ 150W	• 2000 hrs @ 300W
Input	standard		• Analog BNC • Dual-link DVI		• Analog BNC • Dual-link DVI • Dual SD/HD-SDI • Video decoder	• Analog BNC • Dual-link DVI		• Analog BNC • Dual-link DVI • Dual SD/HD-SDI • Video decoder	• Dual-link DVI	
	optional		• Analog • Dual-link DVI • Dual SD/HD-SDI • Video Decoder • Twin HDMI							
	signals		• HDTV formats VGA through to QXGA (2048 x 1536) • Accepts all current HDTV/DTV formats • Multi-standard video decoder • Horizontal and vertical scaling, all inputs							
	pixel clock		• 165 MHz							
	scan rates		• Horizontal: 15-120kHz • Vertical: 23.97-150Hz							
Inputs, control and networking			• RS232 in/out • RS422 in • Ethernet (10/100) • USB Device • GPIO (RS232 9 Pin male connector) • Built-in backlit LCD keypad • Remote control (with optional wired XLR connection)							
Optical system			• Dust sealed, 3-chip DMD light engine • Motorized horizontal and vertical lens offset • Scheimpflug (tilt) adjustment • Built-in light shutter • Tool-free lens insertion system							
Lenses	fixed		• 0.73:1 SX+/0.67:1 HD* • 1.2:1 SX+/1.1:1 HD							
	zoom		• 1.25-1.6:1 SX+/1.16-1.49:1 HD** • 1.5-2.0:1 SX+/1.4-1.8:1 HD • 2.0-2.8:1 SX+/1.8-2.6:1 HD • 2.8-4.5:1 SX+/2.6-4.1:1 HD • 4.5-7.5:1 SX+/4.1-6.9:1 HD • 7.5-11.2:1 SX+/6.9-10.4:1 HD							
	offsets[1]		• All lenses ±100% Vertical ±50% Horizontal except noted below * 0.73:1 fixed lens ±23%V ±13%H ** 1.25-1.6:1 zoom lens ±70%V ±45%H			• All lenses ±120% Vertical ±42% Horizontal except noted below * 0.67:1 fixed lens ±35%V ±12%H ** 1.16-1.49.1 zoom lens ±100%V ±40%H			• All lenses ±150% Vertical ±76% Horizontal except noted below * 0.67:1 fixed lens ±50%V ±18%H ** 1.16-1.49:1 zoom lens ±120%V ±58%H	
Accessories	standard		• IR remote • Line cord		• Stacking frame • IR remote • Line cord	• IR remote • Line cord		• Stacking frame • IR remote • Line cord	• IR remote • Line cord • HD15 to 5-wire BNC female adapter	
	optional		• Coarse dust filter • Fog juice filter • Ceiling mount • Ceiling mount extension • ILS lens adapter kit • Portrait display adapter • Stacking frame • Christie AutoStack™							
Enhanced feature sets			• LiteLOC™ • Comprehensive Color Adjustment (CCA™) • Embedded Christie Twist™ image warping and edge-blending • Intelligent Lens System (ILS™) for zoom, focus, horizontal and vertical offset for all lenses • Auto setup • Digital keystone correction • Dynamic iris • Menus in five languages • 99 channel memories • Multi-windowing and processing (up to a 3 x 3 array) • Motorized yellow notch filter[2] (HD and WUXGA models only) • Black level blending[3] • 24/7 operation • 3D upgradable[3]							
Power requirements	operating voltage		• 110-240 VAC 50/60Hz							
	maximum operating current		• 8.7A @ 100 VAC	• 13.2A @ 100 VAC		• 8.7A @ 100 VAC	• 13.2A @ 100 VAC		• 8.7A @ 100 VAC	• 13.2A @ 100 VAC
	power		• 870W	• 1320W		• 870W	• 1320W		• 870W	• 1320W
	dissipation		• 2971 BTU/hr	• 4508 BTU/hr		• 2971 BTU/hr	• 4508 BTU/hr		• 2971 BTU/hr	• 4508 BTU/hr
Dimensions	size		• (LxWxH): 22.1 x 19.7 x 10.2" (561 x 500 x 259mm)							
	shipping size		• (LxWxH): 29.0 x 27.0 x 24.6" (735 x 685 x 625mm)							
	weight		• 55lb (25kg) (without lens)							
	shipping weight		• 80lb (36kg)							
Operating environment			• Temperature: 40°-104°F (5°-40°C) • Humidity: 20-80% non-condensing							
Regulatory approvals			• UL/CSA/IEC 60,950 (3rd edition) • FCC Class A, CE, CCC • This product conforms to all relevant European directives, standards, safety, health and environmental concerns • RoHS, WEEE							
Limited warranty			• 3 years parts and labor (including light engine) • Contact an authorized Christie representative for full details of our limited warranty							

[1] Values are for reference and should be validated with the Christie lens calculator.
[2] Patent pending.
[3] Not available in WXGA models.

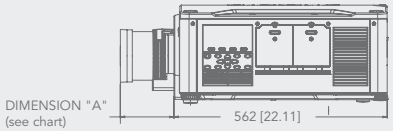
	WUXGA (16:10)		
	WU7K-M	WU12K-M	Roadster WU12K-M
	• 6300 ANSI lumens (6930 center lumens)	• 10,500 ANSI lumens (11,550 center lumens)	
	• 3150 ANSI lumens (3465 center lumens)	• 5250 ANSI lumens (5775 center lumens)	
	• 3-chip 0.96" DMD		
	• WUXGA (1920 x 1200)		
	• Dual 200W P-VIP® Osram	• Dual 350W P-VIP® Osram	
	• 2000 hrs @ 200W	• 1500 hrs @ 350W	
	• 3000 hrs @ 150W	• 2000 hrs @ 300W	
	• Analog BNC • Dual-link DVI		• Analog BNC • Dual-link DVI • Dual SD/HD-SDI • Video decoder
	• All lenses ±112% Vertical ±54% Horizontal except noted below * 0.67:1 fixed lens ±22%V ±6%H ** 1.16-1.49:1 zoom lens ±82%V ±38%H		
	• IR remote • Line cord		• Stacking frame • IR remote • Line cord
	• 8.7A @ 100 VAC	• 13.2A @ 100 VAC	
	• 870W	• 1320W	
	• 2971 BTU/hr	• 4508 BTU/hr	

Description	Part number	Dimension 'A'
Lens ILS 0.73:1 SX+/0.67:1 HD	118-100110-XX	215mm (8.49")
Lens ILS 1.2SX+/1.1HD	118-100117-XX	279mm (11.01")
Lens ILS 1.25-1.6 SX+/1.16-1.49 HD	118-100111-XX	238mm (9.37")
Lens ILS 1.5-2.0 SX+/1.4-1.8 HD	118-100112-XX	205mm (8.07")
Lens ILS 2.0-2.8 SX+/1.8-2.6 HD	118-100113-XX	169mm (6.68")
Lens ILS 2.8-4.5 SX+/2.6-4.1 HD	118-100114-XX	155mm (6.14")
Lens ILS 4.5-7.5 SX+/4.1-6.9 HD	118-100115-XX	141mm (5.51")
Lens ILS 7.5-11.2 SX+/6.9-10.4 HD	118-100116-XX	199mm (7.86")

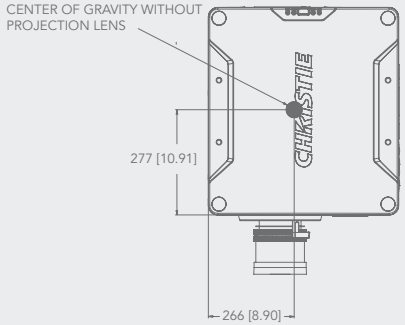
Front view



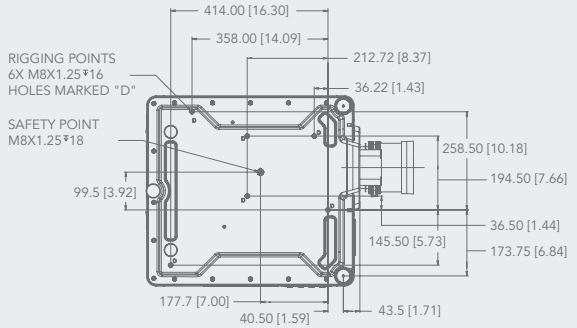
Side view



Top view



Underneath view



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