

Specifications		
Model name	MP-WU8801W (White) MP-WU8801B (Black)	MP-WU8701W (White)
Display system	3LCD	
Display device	Size of effective display area 0.76" x 3 aspect ratio 16 : 10 Number of pixels 2,304,000 pixels (1,920 horizontal x 1,200 vertical)	
Lens	Optional (All the projection lenses are sold separately.) Zoom Motorized (except for the option lens FL-720 / FL-701) Focus Motorized Lens shift Motorized (V, H)	
Light source	Laser diode	
Screen size	30 ~ 600 inch (100 ~ 350 inch for the ultra short throw fixed lens FL-720, 60 ~ 600 inch for the ultra short throw lens USL-701)	
Light output (Brightness)*1	8,000 lm 7,000 lm	
Contrast ratio (full white / full black)*1	2,500,000 : 1	
Displayable scanning frequency	Horizontal 15 ~ 106 kHz Vertical 50 ~ 120 Hz	
Display	Computer WUXGA*2 (max.) *Native resolution is WUXGA.	
Resolution	Video 4096 x 2160*3 (max.) *Native resolution is WUXGA.	
Terminals	COMPUTER IN Mini D-sub 15-pin connector x 1 MONITOR OUT Mini D-sub 15-pin connector x 1 VIDEO IN RCA connector x 1 HDMI IN HDMI connector x 2 (HDCP compliant) HDMI OUT HDMI connector x 1 (HDCP compliant) 3G-SDI BNC Connector x 1 - HDBaseT RJ-45 connector x 1 DisplayPort DisplayPort x 1 AUDIO IN 3.5mm (stereo) mini connector x 1, RCA connector (L, R) x 1 AUDIO OUT 3.5mm (stereo) mini connector x 1 CONTROL IN (RS-232C) D-sub 9-pin connector x 1 LAN RJ-45 connector x 1 WIRELESS USB type A x 1 (The separately sold USB wireless adapter is necessary for this function.) REMOTE CONTROL IN 3.5mm (stereo) mini connector x 1 REMOTE CONTROL OUT 3.5mm (stereo) mini connector x 1	
Network	Wired 100BASE-TX / 10BASE-T Wireless (Option*4) IEEE 802.11a/b/g/n/ac	
Operating temperature	0 ~ 45 °C (32 ~ 113 °F) at altitudes form 0 to 1,600 m (0 to 5,249 ft)*5 The brightness of light source may be reduced automatically over 35 °C (95 °F).	
Operating humidity	10 ~ 80%RH (non-condensing)	
Power requirements	AC 100 V - 120V (50/60Hz), 5.9 A AC 100 V - 120 V(50/60Hz), 5.4 A AC 220 V - 240V (50/60Hz), 3.0 A AC 220 V - 240 V(50/60Hz), 2.7 A	
Power consumption	AC 100 V - 120 V : 580 W AC 100 V - 120 V : 520 W AC 220 V - 240 V : 560 W AC 220 V - 240 V : 500 W	
Standby mode power consumption	Less than 0.5W at saving mode*6	
Standard outside dimensions (W x H x D)	585 mm x 242 mm x 444 mm (23.0" x 9.5" x 17.5") (Including protruding parts), 582 mm x 215 mm x 431 mm (22.9" x 8.5" x 17.0") (Excluding protruding parts)	
Weight	Approx. 18.2 kg (40.1 lbs.) (Excluding lens)	
Accessories	Remote control with two AA batteries, Power cord, Computer cable, User's manual, Security label, Lens hole cover, Terminal cover, Cable tie	
Optional parts	USB wireless adapter USB-WL-5G*7 Air filter UX43481 Optional lens FL-720 (Ultra short throw fixed lens) ML-713 (Middle throw lens) USL-701 (Ultra short throw lens) LL-704 (Long throw lens) FL-701 (Fixed short throw lens) UL-705 (Ultra long throw lens) SL-712 (Short throw lens) Mounting accessories HAS-9110 (Bracket for fixing mount), HAS-104S (Slim adapter for fixing mount), HAS-204L (Standard adapter for fixing mount), HAS-304H (Long adapter for fixing mount) HAS-404U (Ceiling mount with 6-axis adjustment)*8	

\*1: When PICTURE MODE is set to DYNAMIC, DYNAMIC BLACK is OFF and LIGHT OUTPUT is set to Normal 100 %, attached projection lens is ML-713, zoom position is WIDE (max.), and the lens shift position is center, \*2: WUXGA (60 Hz) Reduced Blanking only, \*3: 4096 x 2160 (24/25/30/50/60) is supported on the HDMI IN 1 and HDBaseT terminals, 4096 x 2160(24/25/30) is supported on the DisplayPort terminal, \*4: Optional wireless adapter is needed, \*5: 0 - 40 ° C (32 -104 ° F) at altitude form 1,600 m to 3,048 m (5,249 to 10,000 ft), \*6: SAVING mode disables the functions of MONITOR OUT, AUDIO OUT, speaker sound, network communication, RS-232C control except POWER ON command, etc. in standby, \*7: The availability of the USB-WL-5G varies depending on the country and the region, \*8: HAS-404U is used with a projector that the ultra short throw fixed lens FL-720 is attached to when it is installed at the ceiling mounting position.

Environment

- ▶ Compliance with EU Directive RoHS\*1
- ▶ Long Life mode
- ▶ No use of mercury lamp

\*1 RoHS is the acronym of "Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment,

—Design and specifications are subject to change without notice.

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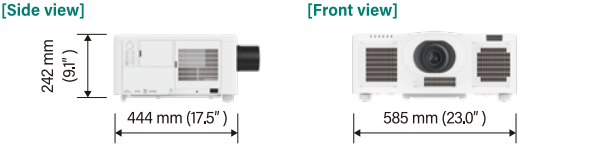
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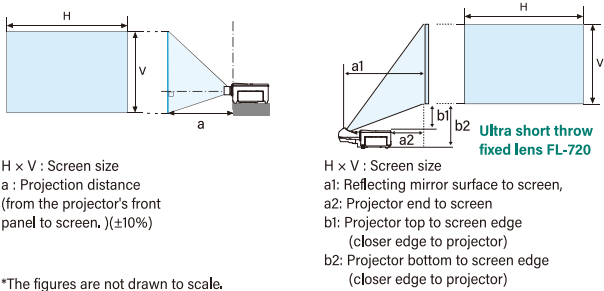
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Dimensions



Projection Distance



\*The figures are not drawn to scale.

16 : 10 screen (1,920 × 1,200)(±10%)

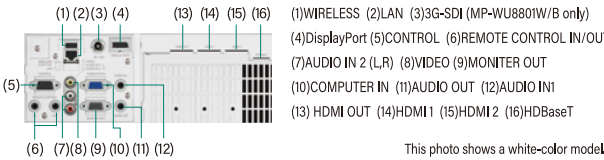
Screen size		meter											
		USL-701		FL-701		SL-712		ML-713		LL-704		UL-705	
Type	H	V	a min.	a max.	Fixed	a min.	a max.	a min.	a max.	a min.	a max.	a min.	a max.
80	1.7	1.1	1.4	1.8	1.4	2.0	3.1	3.0	5.0	4.9	8.3	8.3	14.1
100	2.2	1.3	1.7	2.2	1.8	2.5	3.8	3.7	6.3	6.1	10.3	10.3	17.6
120	2.6	1.6	2.0	2.6	2.1	3.0	4.6	4.4	7.5	7.3	12.4	12.3	21.0
150	3.2	2.0	2.5	3.3	2.6	3.8	5.7	5.6	9.4	9.1	15.5	15.4	26.2
300	6.5	4.0	5.0	6.5	5.2	7.6	11.4	11.1	18.8	18.2	31.1	30.5	52.2
500	10.8	6.7	8.3	10.8	8.6	12.6	19.0	18.4	31.3	30.4	51.9	50.6	86.9

Screen size		inch											
		USL-701		FL-701		SL-712		ML-713		LL-704		UL-705	
Type	H	V	a min.	a max.	Fixed	a min.	a max.	a min.	a max.	a min.	a max.	a min.	a max.
80	68	42	54	70	56	80	121	117	198	192	325	328	555
100	85	53	67	87	69	100	151	146	248	240	407	407	691
120	102	64	80	104	83	120	181	175	297	287	489	486	828
150	127	79	100	129	103	150	226	219	371	359	611	605	1032
300	254	159	197	256	205	298	450	435	740	718	1225	1200	2056
500	424	265	326	424	340	497	749	725	1232	1196	2044	1992	3421

Screen size			meter			
Type	H	V	FL-720			
			a1	a2	b1	b2
100	2.2	1.3	0.819	0.100	0.423	0.669
120	2.6	1.6	0.965	0.246	0.517	0.763
150	3.2	2.0	1.185	0.465	0.658	0.905
300	6.5	4.0	2.281	1.561	1.365	1.611
350	7.5	4.7	2.646	1.927	1.600	1.847

Screen size			inch			
Type	H	V	FL-720			
			a1	a2	b1	b2
100	85	53	32	4	17	26
120	102	64	38	10	20	30
150	127	79	47	18	26	36
300	254	159	90	61	54	63
350	297	185	104	76	63	73

Terminals



Laser Projector

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Within the Future



Laser light source projector  
with high installability  
and a wide range of optional lenses



\*Projected images are simulations





High Reliability and Stability

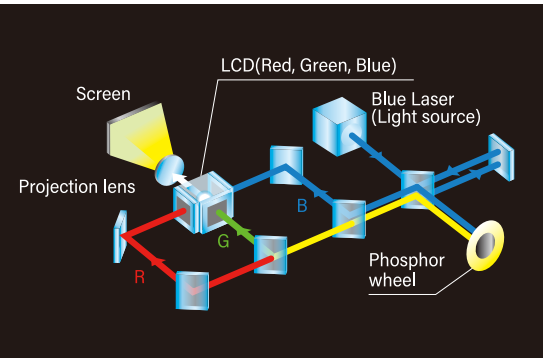
Long Life 20,000 hour Laser Light Source

Maxell's laser light source projectors have 20,000 hours\*1 of light source life. Use for 50,000 hours\*1 can be achieved in LONG LIFE 2 mode. Also, users may select their desired operation mode. Furthermore, in addition to the light source, the phosphor wheel is also dust resistant, suppressing brightness level reduction by preventing dust from coming into contact with the optical parts. Users can enjoy using the projector for long periods of time while maintaining its brightness. Additionally, though the MP-WU8801W/B is a 8,000 lm projector, it has achieved a low noise of 34 dB. This is an suitable for feature for presentations and seminars.

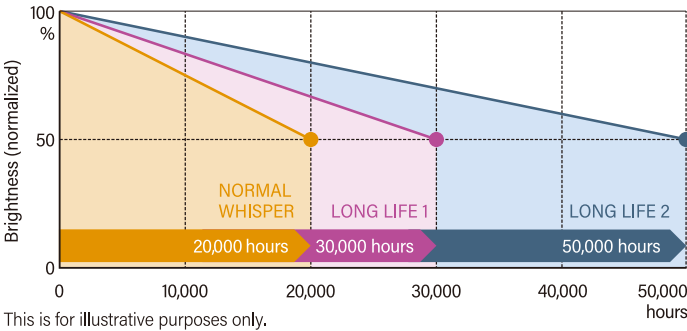
\*1 For laser light source. The value is an estimate and may vary depending on the use environment or use condition.

LIGHT OUTPUT	Brightness*2		Light source life*3	Noise*4	
	MP-WU8801W MP-WU8801B	MP-WU8701W		MP-WU8801W MP-WU8801B	MP-WU8701W
NOMAL	8,000 lm	7,000 lm	20,000 hours	34 dB	32 dB
LONG LIFE 1	6,000 lm	5,250 lm	30,000 hours		
LONG LIFE 2	4,000 lm	3,500 lm	50,000 hours	26 dB	26 dB
WHISPER	4,000 lm	3,500 lm	20,000 hours		

\*2 These are reference values and may vary depending on products. \*3 The values are an estimate and may vary depending on the usage environment or use condition. \*4 Reference values when used in an ambient temperature of 23 °C. The noise level varies by the projector model, installation environment, and use condition.



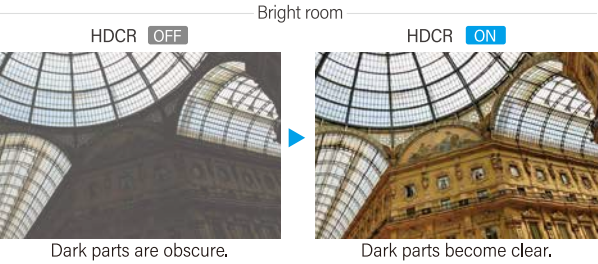
Brightness Deterioration Comparison between Light Output Modes



High Image Quality

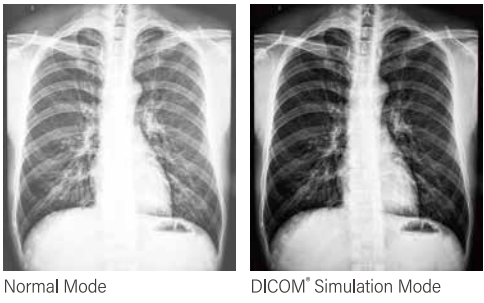
ACCENTUALIZER and HDCR

ACCENTUALIZER makes pictures look more real by enhancing shade, sharpness, and gloss to make pictures clearer. The HDCR function corrects blurred images caused by room lighting or outside light sources, and creates an effect similar to increasing contrast resulting in clear images even in bright rooms. \* Comparison photos are simulations.



DICOM® Simulation Mode

This mode is suitable for viewing grayscale medical images, such as X-rays, for training and educational purposes.



\* This projector is not a medical device and is not compliant with the DICOM® standard, and neither the projector nor the DICOM® Simulation Mode should be used for medical diagnosis. \* Comparison photos are simulations.

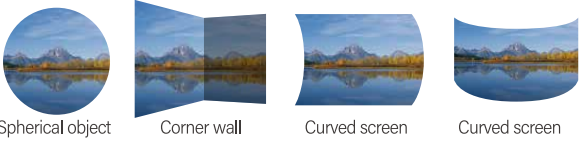
LINEUP \* The lens of the projector is sold separately. \* Local availability may be limited.



Installability and System Features

Warping

This function is possible from your computer by using the specialized application. Projection is possible on spherical surfaces and surfaces with corners, as well as conventional flat screens.



\* The specialized application for geometry correction is required.

4K Signal Input Capability \*3

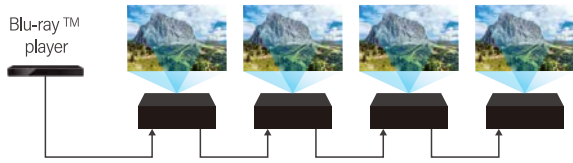
The projectors allow 4K signal input on HDMI1, HDBaseT, and DisplayPort input terminals. You can enjoy much better viewing experience with a 4K Ultra HD Blu-ray™ player or other devices.

\*3 HDMI 1 and HDBaseT supports 4K@24/25/30/50/60 signals. DisplayPort support 4K@24/25/30 signals.

HDMI OUT

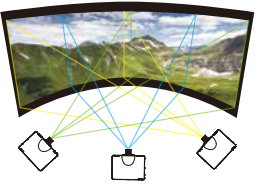
Transfers the input signal on the HDMI1 or HDBaseT terminal to another device. It allows to connect the projectors\*4 in series in order to project the same images simultaneously without using an HDMI splitter or switcher product.

\*4 Up to 4 projectors can be connected in series for the HDMI OUT terminal of the projector. The number of devices that can be connected varies depending on HDCP version, the restriction of the number of devices for HDCP repetition of source device, and the quality of a cable.



Edge Blending

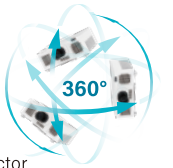
The projectors are equipped with the Edge Blending function that achieves further seamless projection of one image using multiple projectors, and allow to project on a huge curved screen by using the warping simultaneously.



\* Additional equipment may be required for this feature. \* This figure is not drawn to scale.

360° Projection

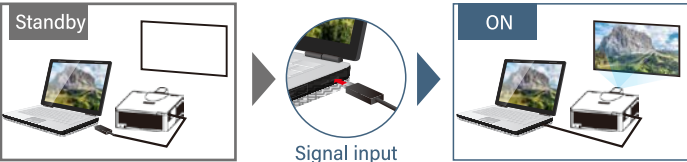
The projector provides great installation flexibility as it can be installed at various angle. By rotating the projector 90 degrees, you can project vertically long images (Portrait Projection).



\* When the ultra long throw lens UL-705 is attached, the projector cannot be installed facing its projection lens upward or downward.








Auto Power ON \*5

The projector can turn the power on to display the input image automatically when the input signal comes from connected devices.



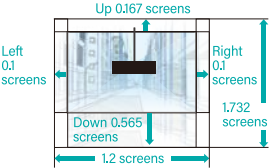
\*5 Supported input terminals are COMPUTER IN 1, HDMI 2 and VIDEO. This function is unavailable when STANDBY MODE is set to NETWORK (WOL) or SAVING. This function may work unintentionally by connected external device.

Interchangeable Lenses Options \*Local availability may be limited.

Lens type			Zoom ratio	Throw ratio	Screen size (Diagonal)	Weight	Lens shift	
							Up / Down	Left / Right
	FL-720	Ultra short throw fixed lens	1.0	0.38	100" - 350"	3.1kg	+82% ~ +88%	-5% ~ +5%
	USL-701	Ultra short throw lens	1.3	0.74 - 0.98	60" - 600"	1.8kg	-16.7%~ +52.5%	-10% ~ +10%
	FL-701	Fixed short throw lens	1.0	0.8	30" - 600"	1.1kg	-6.9% ~ +6.9%	+4.3% ~ -4.3%
	SL-712	Short throw lens	1.5	1.2 - 1.8	30" - 600"	0.7kg	-16.7% ~ 52.5%	-10% ~ +10%
	ML-713	Middle throw lens	1.7	1.7 - 3.0	30" - 600"	0.9kg	-16.7% ~ +56.5%	-10% ~ +10%
	LL-704	Long throw lens	1.7	2.8 - 4.9	30" - 600"	1.5kg	-16.7% ~ +52.5%	-10% ~ +10%
	UL-705	Ultra long throw lens	1.7	4.9 - 8.3	30" - 600"	1.6kg	-16.7% ~ +52.5%	-10% ~ +10%

Lens shift area

The motorized lens shift lets you choose more convenient installation location, even for large spaces.



\* This figure shows the lens shift range for the projector with the optional lens ML-713 at the ceiling mounting position. \* This figure is not drawn to scale.

Other Functions

[Image Quality] : HDR\*6 (High Dynamic Range) supporting PQ and HLG system [Network] : Projector Control, Easy Scheduling Setting, Network presentation [Installability] : Perfect Fit, Instant Stack [Security] : PIN lock, Key lock [Usability] : Direct Power On/Off, Magnify, PbyP / PinP, Remote ID, Quick Start

\*6 Only for HDMI 1