

## Specifications

Model name	LP-WU9750B		
Display system	1-chip DLP®		
Display device	Size of effective display area	0.67" DLP® chip x 1, aspect ratio 16 : 10	
	Number of pixels	2,304,000 pixels (1,920 horizontal x 1,200 vertical)	
Lens (option)	Zoom	Motorized (except for ultra short throw fixed lens FL-920/FL-900)	
	Focus	Motorized	
	Lens shift	Motorized (V, H) (except for ultra short throw fixed lens FL-920/FL-900)	
Light source	Laser diode		
Screen size	50 - 600 inch (100 - 350 inch for ultra short throw fixed lens FL-920/FL-900)		
Light output (Brightness)	8,000lm		
Contrast ratio (full white / full black)	20,000 : 1 ("Dynamic Black" is "On")		
Displayable scanning frequency	Horizontal	15 - 91kHz	
	Vertical	48 - 85 Hz	
Display resolution	Computer	WUXGA(max) *Native resolution is WUXGA	
	Video	1080P(max) *Native resolution is WUXGA	
Terminals	COMPUTER IN	Mini D-sub 15-pin connector x 1, 5BNC connector x 1	
	HDMI IN	HDMI connector x 2 (HDCP compliant)	
	DVI-D IN	DVI-D connector x 1	
	SDI IN / OUT	BNC connector x 1 / BNC connector x 1	
	HDBaseT	RJ-45 connector x 1	
	CONTROL IN (RS-232C)	D-sub 9-pin connector x 1	
	REMOTE CONTROL IN	3.5mm (stereo) mini connector x 1	
	TRIGGER	3.5mm (stereo) mini connector x 1	
	Operating temperature	0 - 40°C(Eco), 0 - 35°C (Normal)	
	Power requirements	AC100 - 130V (50Hz / 60Hz) 9.5A	
AC200 - 240V (50Hz / 60Hz) 4.5A			
Power consumption	AC100 - 130V : 950W (100% lighting output), 885W (Normal mode)		
	AC200 - 240V : 900W (100% lighting output), 845W (Normal mode)		
Standby mode power consumption	Less than 0.5W at Standby Power Off *1		
Standard outside dimension (WxHxD)	500mm x 216mm x 576mm (19.7" x 8.5" x 22.7") (Excluding lens and protruding parts)		
Weight	Approx. 28kg (61.7lbs.) (Excluding lens)		
Accessories	Remote control with batteries, Power cord, Computer cable, RS-232C adapter cable (cross), Wired remote cable, User's Manual (Book, CD)		
Optional parts	USL-901 (Ultra short throw lens)	HAS-L9750 (Bracket for fixing mount)	
	SL-902 (Short throw lens)	HAS-104S (Slim adapter for fixing mount)	
	SD-903 (Standard lens)	HAS-204L (Standard adapter for fixing mount)	
	ML-904 (Middle throw lens)	HAS-304H (Long adapter for fixing mount)	
	LL-905 (Long throw lens)	HAS-404U (Ceiling mount with 6-axis adjustment)	
	UL-906 (Ultra long throw lens)		
	FL-920 (Ultra short throw fixed lens FL-900 with support metal)		
FL-900 (Ultra short throw fixed lens)			
FL-920 support metal			

\*1 Can't operate the projector via the LAN and the RS-232C when projector is in standby mode.

## Dimensions



## Environment

- ▶ Compliance with EU Directive RoHS\*1
- ▶ Power saving mode (Standby Power OFF) engaged during standby
- ▶ Eco 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.

- The projected images and comparison photos in this catalog are simulations.
- Do not use in places where there is a lot of water, dampness, steam, dust, soot or tobacco smoke. This may result in fire or malfunction.
- Optical components (light source, DLP® chip, etc.) and cooling fans have limited service lives. They must be repaired or replaced if they are used for a long period of time.
- During use and immediately after use, do not touch anywhere near the vents as these parts are extremely hot.
- DLP® and the DLP logo are registered trademarks of Texas Instruments.
- Crestron Connected and the Crestron Connected logo are registered trademarks of Crestron Electronics.
- DICOM is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information.
- HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
- HDBaseT™ and the HDBaseT Alliance logo are trademarks of the HDBaseT Alliance.
- All other trademarks are the properties of their respective owners.
- This projector is a CLASS 1 LASER PRODUCT (IEC/EN 60825-1:2014). (CLASS 3R LASER PRODUCT (IEC/EN 60825-1:2007) for the U.S.A. and Canada)

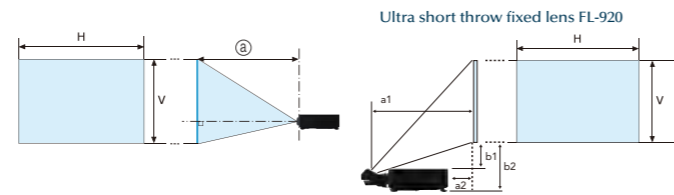
## HITACHI

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September 2016

## Projection Distance



### H x V : Screen size

①: Projection distance (from the projector's front panel to screen) (±10%)

### H x V : Screen size

a1: Reflecting mirror surface to screen  
 a2: Projector end to screen  
 b1: Projector top to screen edge (closer edge to projector)  
 b2: Projector bottom to screen edge (closer edge to projector)

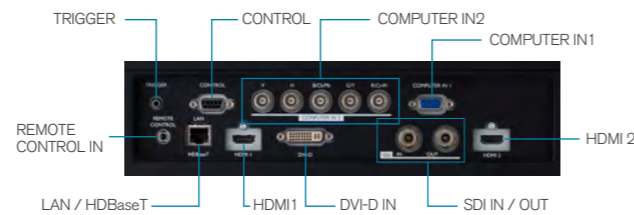
1,920 x 1,200 (Aspect ratio 16 : 10)

Projection distance ①	Item		meter												
	Screen size			USL-901		SL-902		SD-903		ML-904		LL-905		UL-906	
	Type	H(m)	V(m)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
80	1.7	1.1	1.4	1.7	2.0	3.0	2.8	4.3	4.2	6.4	6.0	9.8	9.6	15.3	
100	2.2	1.3	1.7	2.1	2.5	3.8	3.5	5.3	5.2	7.9	7.6	12.2	12.0	19.0	
120	2.6	1.6	2.0	2.5	3.0	4.5	4.3	6.4	6.3	9.5	9.1	14.7	14.3	22.8	
150	3.2	2.0	2.5	3.2	3.8	5.7	5.3	8.0	7.8	11.9	11.4	18.4	17.9	28.4	
300	6.5	4.0	5.1	6.3	7.6	11.3	10.7	16.0	15.7	23.9	22.9	36.9	35.5	56.5	
500	10.8	6.7	8.4	10.5	12.7	18.9	17.8	26.6	26.1	39.8	38.2	61.5	59.0	94.0	

Projection distance ①	Item		inch												
	Screen size			USL-901		SL-902		SD-903		ML-904		LL-905		UL-906	
	Type	H(in)	V(in)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
80	68	42	54	67	80	119	111	167	164	250	238	385	380	601	
100	85	53	67	84	100	149	140	209	205	313	298	482	472	749	
120	102	64	80	100	120	179	168	251	246	376	359	579	565	896	
150	127	79	100	125	150	223	210	314	308	469	449	724	703	1118	
300	254	159	200	248	300	446	420	629	617	939	902	1452	1397	2225	
500	424	265	332	413	501	744	700	1048	1029	1566	1505	2422	2322	3701	

Projection distance ①	Item		meter						inch						
	Screen size			FL-920			FL-920			FL-920			FL-920		
	Type	H(m)	V(m)	a1	a2	b1	b2	Type	H(in)	V(in)	a1	a2	b1	b2	
100	2.2	1.3	0.817	-0.022	0.376	0.592	100	85	53	32	-1	15	23		
120	2.6	1.6	0.969	0.130	0.464	0.680	120	102	64	38	5	18	27		
150	3.2	2.0	1.196	0.357	0.595	0.811	150	127	79	47	14	23	32		
300	6.5	4.0	2.331	1.492	1.250	1.466	300	254	159	92	59	49	58		
350	7.5	4.7	2.709	1.870	1.469	1.685	350	297	185	107	74	58	66		

## Terminals



**LASER RADIATION**  
 AVOID DIRECT EYE EXPOSURE  
 CLASS 3R LASER PRODUCT  
 Wavelength: 450-460 nm  
 Max. Pulse energy: 0.376 mJ, Pulse duration: 0.74 ms  
 IEC/EN 60825-1:2007

**RAYONNEMENT LASER**  
 EVITER D'EXPOSER DIRECTEMENT LENS YEUX  
 PRODUIT LASER DE CLASSE 3R  
 Longueur D'onde : 450-460nm  
 Energie D'impulsion Max. : 0.376 mJ, Durée de L'impulsion : 0.74 ms  
 IEC/EN 60825-1:2007

**LASERSTRAHLUNG**  
 DIREKTE EXPOSITION DER AUGEN VERMEIDEN  
 LASERPRODUKT DER KLASSE 3R  
 Wellenlänge : 450-460 nm  
 Max. Pulsennergie: 0.376 mJ, Pulsdauer: 0.74 ms  
 IEC/EN 60825-1:2007

## DLP® Projector

# HITACHI

Inspire the Next



LP-WU9750B

WUXGA 8,000lm

Equipped with a long-life laser light source.  
 Projector capable of long continuous projection.



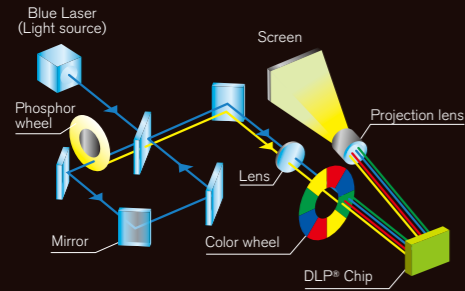
\*Projected images are simulations



## High Reliability and Stability

### Long life 20,000 hours\*<sup>1</sup> Laser light source

Light source combined Blue laser diodes and Phosphor can achieve 8,000lm. The projection image is bright, clear and vivid color. Since lamp exchange is unnecessary, maintenance cost is reduced. Furthermore, you do not need to worry about lamp life, and it is optimal for digital signage purposes that require long hours of continuous projection. Because the product does not use mercury lamps, it is highly eco-friendly. \*<sup>1</sup> For laser light source. Not a guaranteed value.



### Dust Resistant Optical Engine

Reduces the invasion of dust and other particles in the air that decreases the brightness when they get attached to the optical parts. Reduces the decrease in brightness due to dust, resulting in a long lasting bright, clear, and vivid colored picture. Eliminates the intake filter and filter maintenance.

### Laser Power Level Control

Power of laser light source is controllable by every 1% step\*<sup>2</sup>. It allows the brightness of projection image fits in the luminance environment and can save the power consumption. This feature helps you to adjust the similar brightness of projectors in such the side-by-side projection and the edge blending applications.

\*<sup>2</sup> The adjustment range is 20~100% at Custom mode.



Tunes brightness of image according to surrounding environment

Matches brightness of images projected side by side

### Wide range of Color Reproduction

The color reproduction range is wide compared to lamp light projectors and projects brilliantly colored images.

## Interchangeable Lens Options

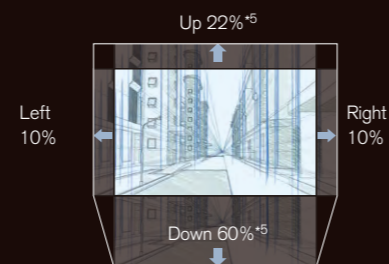
### 7 option lenses including ultra short throw fixed lens

	FL-920	USL-901	SL-902	SD-903	ML-904	LL-905	UL-906
Zoom ratio	1.0	1.3	1.5	1.5	1.5	1.6	1.6
Throw ratio	0.38	0.8-1.0	1.1-1.7	1.6-2.4	2.4-3.6	3.5-5.6	5.5-8.8
Projection distance(m) * <sup>3</sup> for 100" screen	0.0	1.7-2.1	2.5-3.8	3.5-5.3	5.2-7.9	7.6-12.2	12.0-19.0
Weight (kg)	3.1* <sup>4</sup>	1.8	2.0	1.3	1.8	1.9	1.8
Lens shift							
Vertical	82.5%	-22~50%	-22~60%	-22~60%	-22~60%	-22~60%	-22~60%
Horizontal	0%	±10%	±10%	±10%	±10%	±10%	±10%

\*<sup>3</sup> Screen to projector's screen-side surface. Secure a clearance of 50cm or greater between the exhaust vents and walls.

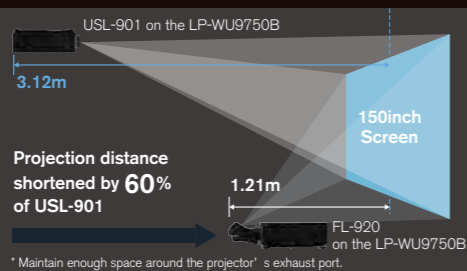
\*<sup>4</sup> Excluding the FL-920 support metal.

### Lens Shift



\*<sup>5</sup> At ceiling mount position with the lens other than FL-920 or USL-901 attached.

### Ultra Short Throw fixed lens FL-920 features



\* Maintain enough space around the projector's exhaust port.

### All Glass lens

FL-920 is equipped with all glass lenses that reduce the blurring that occurs under changes between high and low temperature.

### Ceiling mount HAS-404U

Ceiling mount bracket with 6-axis adjustment mechanism. Adopting a jack system, perform elevation adjustment easily.



LP-WU9750B WUXGA 8,000lm

Lens is sold separately.

With a stable projection performance and high installability, the laser projector is optimal for various purposes.

## Advanced Installability

### 360° Projection

This projector provides great installation flexibility as it can be installed at any angle\*<sup>6</sup>.



\*<sup>6</sup> The life of optical parts may shorten if the projector is installed with the lens facing downward or the IO connector side upward.

### Edge Blending

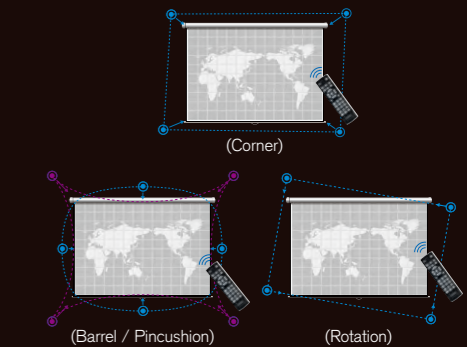


This projector is equipped with the Edge Blending function that achieves further seamless projection of one image using multiple projectors.



### Warping (Geometry Correction)

Equipped warping with which the position of the four corners, four sides and rotation of a projected image can be adjusted.



## Digital Connectivity

Equipped with an SDI input - the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable. Projectors provide 5 digital inputs: SDI, HDBaseT, HDMI1/2, and DVI-D.



HDBaseT™

HDMI™

## DICOM® Simulation Mode

This mode is ideal 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.



Normal Mode



DICOM® Simulation Mode

## Other Useful Features

COLOR MANAGEMENT, Remote control with ID function

\*Projected images are simulations