

RICOH COMPACT LASER PROJECTOR  
RICOH SHORT THROW LASER PROJECTOR

# RICOH

## PJ WUL5A50

## PJ WUL5A40ST

- ✓ High resolution WUXGA
- ✓ 4,500-5,200lm high brightness
- ✓ 20,000h maintenance free
- ✓ High image quality
- ✓ Compact design



WUL5A50



WUL5A40ST

4K signal  
compatible

4K

Lens shift



360°  
installation



# Laser Projector

Professional Performance for Immersive Impact



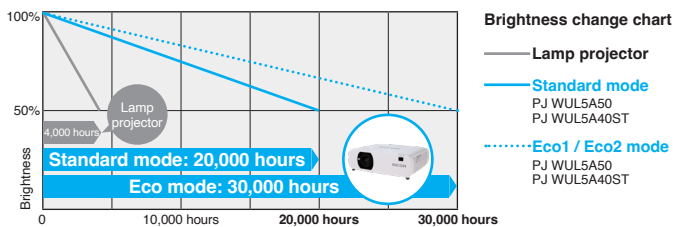
WUL5A50



WUL5A40ST

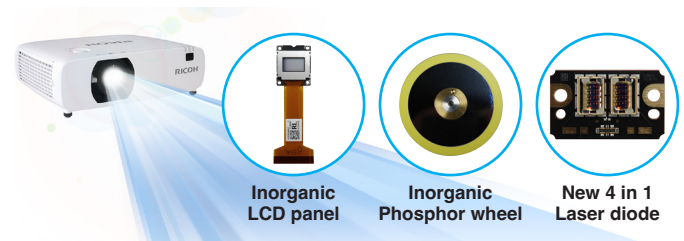
## 20,000 Hour Laser Light Source

Utilizing a laser light source allows for maintenance-free operation up to 20,000 hours in Standard Mode, and up to 30,000 hours in Eco Mode. This significantly reduces maintenance time and costs in comparison to conventional lamp projectors.



## Superior Image Quality & 3LCD Technology

Experience lifelike color reproduction and superior color balance through the use of 3LCD technology.



## Compact Size & Light Weight

Conserve space with the WUL5A50 and WUL5A40ST. Designed with portability in mind, both models are compact and weigh just 11.5lb (5.2kg) and 12.1lb (5.5kg), respectively. This portability is advantageous in environments that may require one projector to serve multiple locations.



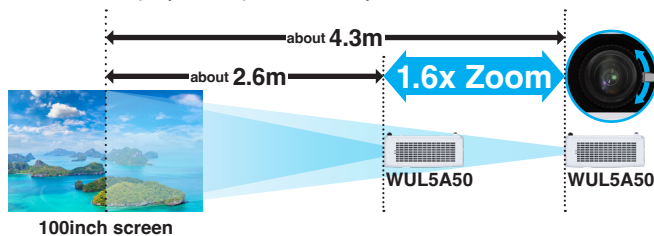
## Preset Display Modes

Optimize your projected image by selecting from a range of display modes tailored for different environments.



## Zoom Ratio

With a 1.6x Zoom Ratio, the projected image's size can be maintained even when the projector's position is adjusted.



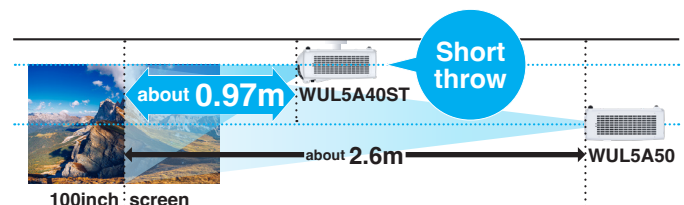
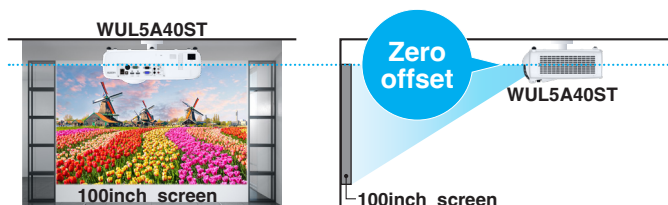
## Lens Shift

Featuring an impressive vertical lens shift of +60%, the WUL5A50's projection area can be adjusted even after installation.



## Zero Offset Short Throw

Project 100-inch images from just under 1 meter or 3.2 feet away with the short throw lens of the WUL5A40ST. This lens is optimal for environments with limited space or low ceilings as it allows for images to be projected with zero offset.





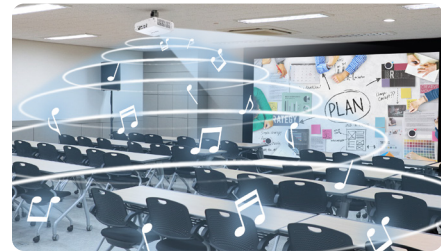
### 360 Degree Installation

The WUL5A50 and WUL5A40ST support 360-degree installation, making both models suitable for a wide range of applications like ceiling, floor, or wall projection.



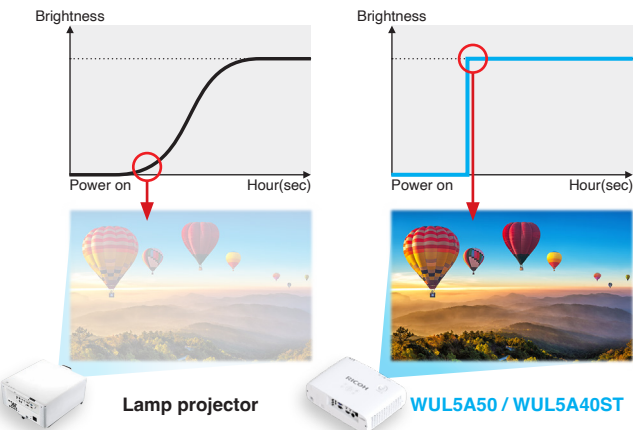
### Integrated 16W Speaker

Deliver sound to the whole room with an integrated 16W speaker.



### Quick Start-Up

Due to laser technology, users can experience instant high-definition images without delay once the projector is powered on.



### Innovative Heat Dissipation System

The innovative fan design of the WUL5A50 and WUL5A40ST ensures uniform cooling of the LCD panel by balancing wind pressure and airflow.



### Advanced Image Adjustments

Optimize projected images on a variety of surfaces, including curved surfaces, using advanced image adjustment functions such as four corner and six-point, and grid correction.

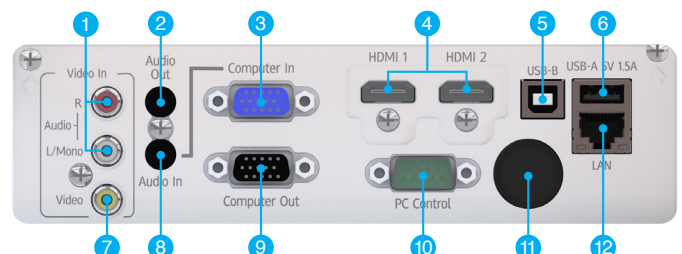
### Automatic Angle Correction

Built-in angle sensing technology automatically corrects the projected image angle, helping ensure precise alignment without manual adjustments.



### Interfaces

1. Audio In (L/R) terminal
2. Audio Out terminal
3. Computer In terminal (VGA)
4. HDMI1/HDMI2 terminal
5. USB-B terminal
6. USB-A terminal
7. Video In terminal
8. Audio In terminal
9. Computer Out terminal (VGA)
10. PC Control terminal (RS-232C)
11. Remote Receiver(Rear)
12. LAN terminal



### High Resolution & 4K Compatibility

Take image excellence to the big screen with a 1,920x1,200 Native Resolution. The WUL5A50 and WUL5A40ST also support 3840x2160 resolution, allowing for direct playback of video content in 4K resolution.

# Specifications

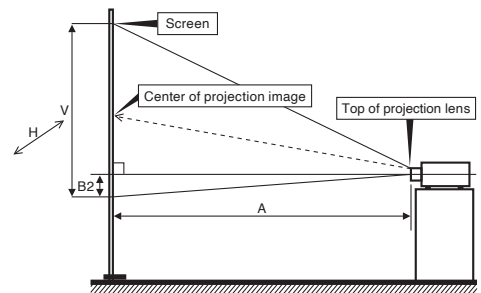
Model name		PJ WUL5A50	PJ WUL5A40ST	
Projection system		3LCD	3LCD	
Chip size		0.64" x3	0.64" x3	
Brightness		5,200lm	4,500lm	
Contrast ratio		5,000,000:1	5,000,000:1	
Aspect ratio		16:10	16:10	
Light source		Laser	Laser	
Light source life time		20,000(Standard)/30,000(Eco) (*)	20,000(Standard)/30,000(Eco) (*)	
Projection size		30-300inch	55-150inch	
Projection distance		2.51-26.13 feet (Wide) 4.13-42.27 feet (Tele)	1.69-4.82 feet	
Throw ratio		1.2-2.0	0.44	
Resolution		1,920x1,200 (WUXGA)	1,920x1,200 (WUXGA)	
Color reproduction		1,073,000,000	1,073,000,000	
Focus		Manual	Manual	
Zoom ratio		1.6	-	
Lens shift		Vertical: +60%	-	
Keystone		Horizontal/Vertical:±30%	Horizontal/Vertical:±15%	
Four corners correction		Support	Support	
Six points correction		Support	Support	
Curved correction		Support	Support	
Interfaces	Input	Computer	Mini D-SUB15pin x1	Mini D-SUB15pin x1
		HDMI1	HDMI(1.4) x1	HDMI(1.4) x1
		HDMI2	HDMI(1.4) x1	HDMI(1.4) x1
		Video	RCA(Yellow) x1	RCA(Yellow) x1
		Audio 1	3.5mm mini jack x1	3.5mm mini jack x1
	Input & Power out	Audio 2	RCA(L/R) x1	RCA(L/R) x1
		USB	USB typeA x1	USB typeA x1
	Output	Computer	Mini D-SUB15pin x1	Mini D-SUB15pin x1
		Audio	3.5mm mini jack x1	3.5mm mini jack x1
	Control	Wired LAN	RJ45 x1	RJ45 x1
PC control		D-SUB 9pin x1	D-SUB 9pin x1	
Others	USB(FW update)	USB typeB x1	USB typeB x1	
Noise(standard/eco1/eco2)		37dB/30dB/28dB	37dB/30dB/28dB	
Dimension (W x D x H mm) -(without feet)		390 x 294 x 116	390 x 319 x 132	
Weight		11.46lbs	12.13lbs	
Environment condition		Operating temperature: 5°C~40°C(0-1400m altitude) / 5°C~30°C(1400-3000m altitude) Operating humidity: 20%~80%(non-condensing)	Operating temperature: 5°C~40°C(0-1400m altitude) / 5°C~30°C(1400-3000m altitude) Operating humidity: 20%~80%(non-condensing)	
Power supply voltage		100-240V 50/60Hz	100-240V 50/60Hz	
Power consumption		Normal : 290W(100V)/288W(110V)/275W(220V)/273W(240V) ECO1:200W(100V)/198W(110V)/191W(220V)/190W(240V) ECO2: 180W(100V)/178W(110V)/172W(220V)/171W(240V)	Normal : 290W(100V)/288W(110V)/275W(220V)/273W(240V) ECO1:200W(100V)/198W(110V)/191W(220V)/190W(240V) ECO2: 180W(100V)/178W(110V)/172W(220V)/171W(240V)	
Stand by power consumption		<0.5W	<0.5W	
High altitude mode		Support	Support	
Speaker		16W mono	16W mono	

(\*)Running time until the initial brightness reduces to 50%.  
(Life time varies depending on usage condition and environment.)

## Projection distance

PJ WUL5A50				
Screen size			Projection distance	
Diagonal size (inches)	Width H (feet)	Height V (feet)	Wide A (feet)	Tele A (feet)
30	2.12	1.33	2.51	4.13
80	5.65	3.53	6.88	11.19
100	7.07	4.42	8.63	14.02
120	8.48	5.30	10.38	16.84
150	10.60	6.62	13.01	21.08
200	14.13	8.83	17.38	28.15
300	21.20	13.25	26.13	42.27

PJ WUL5A40ST				
Screen size				Projection distance
Diagonal size (inches)	Width H (feet)	Height V (feet)	Height B2 (inches)	Wide A (feet)
55	3.89	2.43	.29	1.69
70	4.95	3.09	.37	2.19
80	5.65	3.53	.43	2.52
90	6.36	3.98	.48	2.85
100	7.07	4.42	.53	3.18
130	9.19	5.74	.69	4.15
150	10.60	6.62	.80	4.82



## Option

RICOH PJ Replacement Air filter Type18



## Precautions

- Do not place vases, plant pots, cups, toiletries, medicines, small metal objects, or containers holding water or any other liquids, on or close to this machine. Fire or electric shock could result from spillage or if such objects or substances fall inside this machine.
- To avoid injury, please keep the machine and attachments out of the reach of children.
- Ensure the machine is only connected to a power supply within the specified voltage range to prevent damage.
- Do not damage, break, or modify the power cord. Also, do not place heavy objects on the power cord, or pull the cord or bend it severely. Doing so could result in fire or electric shock.
- In case of smoke, odors, or unusual behaviors, please power off the machine immediately, and disconnect the power cord from the outlet. Please contact your service representative and report the problem.
- If metal objects, or water or other fluids fall inside this machine, you must turn off its power immediately. After turning off the power, be sure to disconnect the power cord plug from the wall outlet. Then contact your service representative and report the problem. Do not use the machine. Doing so could result in fire or electric shock.
- Never operate this unit on AC power during a thunderstorm. If you see lightning or hear thunder, never touch the unit, cables and/or peripherals. An electric surge caused by the storm, may result in an electrical shock or damage to the unit.
- To avoid injury or suffocation, please keep plastic bags and other packaging materials out of reach of small children.
- The above appearances and specifications are subject to change without notice.
- All rights reserved for the company names, product names and logo mark included in this brochure.
- This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)
- This product includes cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com))
- This product includes software written by Tim Hudson ([tjh@cryptsoft.com](mailto:tjh@cryptsoft.com))
- Stated lumen ratings are based on ANSI standard.