ROLY
BEYOND ENVISION

High Brightness, Multi-funcational Laser Projector
Efficient and Pratical for Different Usage Scenarios

High Brightness
7100 lm
Lightweight
7.1 kg

Series E

6200 lm	7100 lm
WUXGA RL-E6U	WUXGA RL-E7U
WXGA RL-E6W	

3LCD LASER

Specifications

Model	RL-E6W	RL-E6U	RL-E7U
Display Technology	Liquid Crystal Display		
LCD panel	3x0.59"(16:10)	3x0.64"(16:10)	
Brightness	6200 lm		7100 lm
Color Brightness	6200 lm		7100 lm
Resolution	WXGA (1280x800)	WUXGA (1920x1200)	
Number of pixels	1,024,000 (1208 x 800) x3, total of 3,072,000 pixels	2,304,000 (1920 x 1200) x3, total of 6,912,000 pixels	
Contrast	5000000:1 (Dynamic Mode)		
Light source	Laser diode		
Lifetime	Normal: 20000h, ECO: 30000h		
Lens	F1.6~2.25 · f=16.09~25.75mm · Manual zoom (1.6x) · Manual focus		
Screen size	30²300"		
Throw distance	0.77m~13.15m	0.71m~12.16m	
Throw Ratio	1.23~2.02	1.14~1.86	
Throw Ratio (Optical and Digital)	1.23~4.06	1.14~3.75	
Keystone Correction	Vertical: ±40º (Auto, Manual) · Horizontal: ±15º (Manual)		
Input Terminals — PC	VGA in (D-sub 15pin) ×1		
Input Terminals — Audio	Audio in (mini jack, 3.5mm) ×1		
Input Terminals — Video	HDMI ×2 · Video in (RCA) ×1		
Input Terminals — Others	USB-Type A ×2		
Output terminal	VGA out (D-sub 15pin) ×1 · Audio out (mini jack, 3.5mm) ×1		
Control terminal	RS232C (D-sub 9pin) ×1 · RJ-45 ×1 (Control)		
PC input signal	PC-VGA,SVGA,XGA,SXGA,WXGA,WUXGA,4K(30HZ) / Mac		
Video input signal	NTSC (720p,1080p)		
Scanning Frequency	Horizontal: 15~90kHz · Vertical: 50~80Hz		
Projection method	Ceiling/floor · front/rear (Auto Image Rotation)		
Speaker	10W×1		
Noise	Normal: 38dB, ECO: 32dB		
Weight	6.9 KG	7.1 KG	
Dimension (WxHxD)	445×100×350mm(not incl. protruded part)		
Power supply	100~240V AC (50/60Hz)		
Power Consumption	380W max (< 0.3W when Standby mode set to Eco)		
Operating/Storage Temp.	0°C~40°C / -10°C~60°C		
Operating/Storage Humidity	20%~80% (non-condensation)		
Standard accessory	Wireless remote control, power cord		

* These specifications and the product design are subject to change without notice.

Projection distance

RL-E6W (16:10 aspect ratio)   Unit: m

Screen size	min. (wide)	max. (tele)
92"	2.44	3.99
106"	2.82	4.61
120"	3.20	5.23
150"	4.01	6.55
200"	5.36	8.75
240"	6.43	10.51
300"	8.05	13.15

RL-E6U / RL-E7U (16:10 aspect ratio)   Unit: m

Screen size	min. (wide)	max. (tele)
92"	2.26	3.69
106"	2.61	4.26
120"	2.96	4.83
150"	3.70	6.05
200"	4.95	8.09
240"	5.95	9.72
300"	7.45	12.16

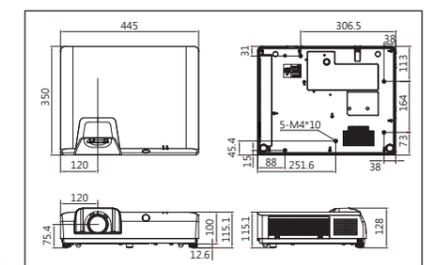## Optional Lens (RL-E6U/RL-E7U)

T68 | Short Zoom Lens
Lens: F2.0~2.16, f=9.77~11.32mm
Zoom/Focus: x1.2/Manual
Throw ratio: 0.68~0.80
Screen size: 60"~300"

T5 | Short Fixed Lens
Lens: F1.8, f=8.3mm
Zoom/Focus: Fixed/Manual
Throw ratio: 0.5
Screen size: 80"~300"

Screen size (inch)	T68 min.(wide)	T68 max.(tele)	T5 Fixed
92"	1.35	1.59	0.99
106"	1.56	1.83	1.14
120"	1.77	2.08	1.29
150"	2.23	2.61	1.62
200"	2.98	3.49	2.15
240"	3.58	4.20	2.59
300"	4.49	5.25	3.23

* Approximate throw distances shown adove were calculated on lens design specifications.
* Please note that up to 5% deviation may result due to lens variation.

Dimension   Unit: mm

* Image represents RL-E7U ·

Distributed by:

ROLY

ROLY
BEYOND ENVISION

EDUCATION
ECONOMY
EXTRA

High
Brightness
7100 lm
Lightweight
7.1 kg

6200 lm
WXGA **RL-E6W**
WUXGA **RL-E6U**

7100 lm
WUXGA **RL-E7U**

3LCD

Versatile Installation, Suitable for Various Environments and Creative Projection

1.6x Optical Zoom Lens

Equipped with a 1.6x optical zoom lens, the projector effortlessly projects a 100" screen from a distance of 2.5m to 4m, providing convenient flexibility for installation.

Digital Zoom Function

When upgrading school or business projectors, a consideration is whether the new projector fits the existing ceiling installation. With the newly introduced digital zoom function, the display can be proportionally reduced to fit your screen, reducing the need to reinstall the projector mount and saving time, money, and effort.

Digital Zoom / Optical Zoom — 7.8m / 4m / 2.5 m — 100"
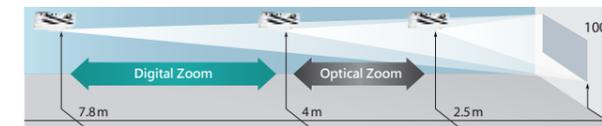
Digital Shift Function

The digital zoom is paired with a digital shift function, allowing the shrunken image to be moved vertically, horizontally, and diagonally to the desired screen position, providing greater installation flexibility.

Optional Dual Short Throw Lens

You can opt for the 0.5 fixed short-throw lens and the 0.66-0.81 short-throw lens. Choose the suitable short-throw lens based on environmental needs, accommodating various installation scenarios even in confined spaces.

Shown sample is RL-E6U / E7U — 120"
2.96m / 1.77m / 1.29 m
標配鏡頭 2.96~4.83m — T68 1.77-2.08m — T5 1.29m
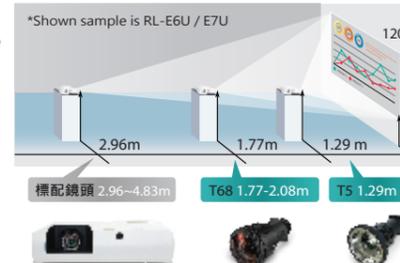
Keystone Correction Function for Curved Surfaces

This function rectifies the distorted perspective that occurs when projecting on curved surfaces due to their unique shapes, delivering natural and distortion-free visual images on curved or cylindrical surfaces.

Multi-point Correction Function

In addition to the curved surface correction, you can choose between 5x5 and 9x9 corrections to adjust the image to irregular or wavy walls, allowing for more creative projection in special exhibitions or displays.

5x5
9x9
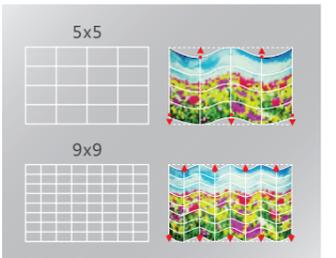
360° Free and Flexible Installation

Featuring a 360° horizontal/vertical installation design, the projector can be used at various projection angles, including front, rear, and side projection, making installation simple and easy.

360°flip horizontal
360°flip vertically

Vertical, Horizontal, and Corner Keystone Correction Function

With vertical, horizontal, and corner keystone correction functions, distortion caused by projecting at angles or unusual orientations is easily rectified, ensuring the projection aligns with the screen.

Corner Keystone Correction Function

High-Definition Image, Stable and Long-lasting Bright Color Display

Equipped with laser light source, with a lifespan of up to 20,000 hours

Utilizing a stable and reliable low-power laser light source technology, the light source has a lifespan of up to 20,000 hours. This is more than 30% more energy-efficient than typical projectors, showcasing energy-saving and environmentally-friendly features. It also addresses the headache-inducing issue of bulb deterioration, providing high-quality image presentation while significantly reducing maintenance costs.
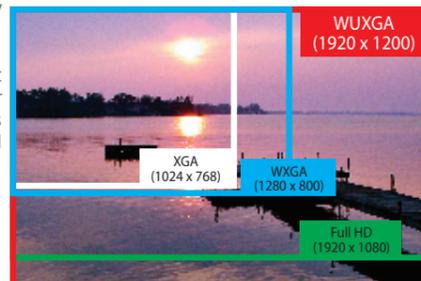
3LCD Display Technology

The 3LCD technology utilizes three separate liquid crystal panels, utilizing the photoelectric effect of liquid crystal molecules to control the transmittance and reflectance of the liquid crystal units through circuits, thus producing different colored images and grayscale levels. Compared to DLP, 3LCD offers more vivid, natural, and smooth dynamic image presentation, providing a more comfortable viewing experience that eliminates color fringing and delivers impressive large-scale visuals.

High Resolution WUXGA*1,High Brightness of 7100lm*2,Lightweight at only 7.1kg*3

With a high resolution of WUXGA (1920x1200) and a brightness of 7100 lumens, the RL-E series excels in professional performance whether in tiered classrooms or large well-lit conference rooms. In comparison to other projectors in its class, the RL-E series features a sleek and lightweight design, weighing only 7.1kg. This makes it suitable for various environments without impacting the decor style and provides easy installation and storage.

*1) RL-E6U / E7U : WUXGA, RL-E6W : WXGA
*2) RL-E7U : 7100 lm, RL-E6W / E6U : 6200 lm
*3) RL-E6U / E7U : 7.1kg, RL-E6W : 6.9kg

WUXGA (1920 x 1200)
XGA (1024 x 768)
WXGA (1280 x 800)
Full HD (1920 x 1080)

More Practical Features for Convenient and Simple Use

Custom Startup Screen

Users can use a USB flash drive to extract their preferred images or company logo and set a personalized startup screen.

Signal-triggered Startup and Power-triggered Startup

"Signal-triggered startup" means starting the projector by sending a computer signal, suitable for scenarios requiring remote control or centralized management of multiple devices, such as server rooms or remote maintenance. "Power-triggered startup" means starting the projector by supplying power. When the plug is connected to the power source, the projector will begin its startup process. Both options are available in this series, and the choice depends on the device type, application scenario, and user preferences.

Signal-triggered Startup
Power-triggered Startup
ON

Multifunctional Remote Control Included

Equipped with 1 to 9 pairing codes, the remote control can control sets of projectors individually.

No Signal Power-off Function

When there's no signal input, the projector activates the power-off function after 60 minutes (customers can choose 5, 30, 60 minutes, etc.).

Additional Features

◆ PC-free Projection (USB) ◆ Support for PJ-Link Network Control System ◆ Various Image Modes, including DICOM Simulation Mode ◆ Auto Ceiling-mount Correction ◆ High Altitude Mode Support ◆ Quick Power On/Off ◆ Energy Saving Mode Selection ◆ Instant Black Screen ◆ Overheat Auto Power-off Protection