



INTERCHANGEABLE LENS 4K LASER LCOS PROJECTORS

4K6020Z/4K5020Z

Markets/Applications recommended for:

- Simulation and Training
- Museums and Galleries
- Design and Engineering
- Higher Education
- Corporate
- Government
- Medical Education and Training



REALiS



PROJECTORS.USA.CANON.COM



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NATIVE 4K LASER LIGHT SOURCE PROJECTORS IN A COMPACT DESIGN

The REALiS 4K6020Z and REALiS 4K5020Z are the world's smallest and lightest native 4K laser projectors^{*1}, combining 4K DCI (4096 x 2160) resolution, high brightness and deep contrast to create lifelike, detail-rich images that ensure an engaging viewing experience for your audience. Long-lasting performance and a wide range of features, including compatibility with the new 4K optimized RS-SL07RST lens^{*2}, provide an exceptional 4K viewing experience that is ideal for simulation and training, museums and galleries, education, corporate and more.

4K DCI (4096 X 2160) RESOLUTION



Eye-opening 4K resolution produces incredibly detailed, high-impact images that are significantly sharper and more true-to-life than lower resolutions. At 4096 x 2160, Canon's 4K resolution generates a bigger, richer picture made up of more than 8.8 million pixels.

SEVEN INTERCHANGEABLE GENUINE CANON LENS OPTIONS INCLUDING 4K OPTIMIZED LENS



The family of Genuine Canon interchangeable lenses is highlighted by the RS-SL07RST 4K lens^{*2}, featuring Marginal Focus for accurate curved surface projection, a 1.34~2.35:1 throw ratio and a $\pm 73\%$ vertical and $\pm 11\%$ horizontal^{*3} lens shift.



KEY FEATURES

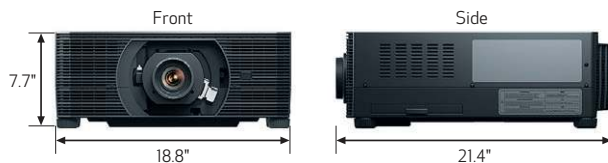
- 4K DCI Resolution (4096 x 2160)
- Laser Light Source with up to 20,000^{*4} or More Hours (Lower Total Cost of Ownership)
- 6000 Lumens^{*5} and up to 22,000:1 Dynamic Contrast Ratio (4K6020Z)
- 5000 Lumens^{*5} and up to 20,000:1 Dynamic Contrast Ratio (4K5020Z)
- LCOS Technology with AISYS-enhancement
- Covers 99.9% of the sRGB Color Space
- Seven Interchangeable Genuine Canon Lens Options
- Compact and Lightweight
- Flexible Mounting with 360° Installation
- Compatible with Canon Service Tool for PJ App
- 5-Year Laser Projector Limited Warranty, 3-Year Advanced Warranty Service Exchange Program and 3-Year Service Loaner Program^{*6}

^{*1} For Native 4K 5000 lm class as of October 2018. ^{*2} The RS-SL07RST 4K Standard Zoom Lens is designed only for 4K6020Z and 4K5020Z. ^{*3} When the RS-SL07RST 4K Standard Zoom Lens is installed. ^{*4} This is an estimated value. Actual hours may vary depending on usage and environment. This is not a guarantee of the life span of individual laser diodes. ^{*5} Image mode set to Presentation. There are three light modes: Normal, Quiet 1 and Quiet 2. The luminance values for modes other than Normal are calculated and are not guaranteed as specifications. ^{*6} Programs and service offerings subject to change without notice. For complete details, including terms and conditions for each program, or to learn more about Service and Support offerings for Canon professional projectors, please contact a Canon sales rep or call 1-800-OK-CANON.

SPECIFICATIONS

PROJECTION SYSTEM	
Imaging Device	0.74" LCOS Panel x3
Aspect Ratio	17:9 Approx.
Native Resolution	4096 x 2160
Brightness	4K6020Z: 6000 / 3600 / 2400 Lumens ^{1,2} 4K5020Z: 5000 / 3000 / 2000 Lumens ^{1,2}
Contrast	4K6020Z: 22,000:1 (Dynamic Contrast function) / 4000:1 (Native) ³ 4K5020Z: 20,000:1 (Dynamic Contrast function) / 3600:1 (Native) ³
Image Size	40 – 600" (4096 x 2160) ⁴
Digital Keystone	V: ±20°, H: ±20°
F Number, Focal Length	F2.1 – 2.4, f=22.6 – 39.79mm ⁴
Uniformity	80% ^{4,5}
Zoom Ratio	1.76x ⁴
Throw Ratio	1.34 – 2.35:1 ⁴
Focus	Powered ⁴
Lens Shift	V: ±73%, H: ±11% (powered) ⁴
LIGHT SOURCE	
Type	Blue laser diode / Yellow phosphor
Life	20,000 hours ⁶
IMAGE ADJUSTMENTS	
Image Mode	Standard / Presentation / Dynamic / Photo/sRGB / Video / DICOM SIM ⁷ / User 1 – 5
Color Adjustment	Color Level, Color Balance, Color Temperature, Gain (R,G,B), Offset (R,G,B)
Screen Color Correction	Normal / Greenboard / Adjust (custom)
Mounting	Omnidirectional ⁸
Adjustable Feet	Four locations at bottom. Extension length = 14.6mm, maximum angle of inclination: ±8°

DIMENSIONS



CONNECTABILITY



WHAT'S IN THE BOX

- Projector
- Power Cord
- Projector Remote Controller RS-RC07 (includes two AA batteries)
- Important Information (book)
- Warranty Card

¹ There are three light modes: Normal, Quiet 1 and Quiet 2. The luminance values for modes other than Normal are calculated and are not guaranteed as specifications. ² When image mode is set to Presentation. ³ All white, all black. When Iris function is set to "Close 9". ⁴ When the RS-SL07RST 4K Standard Zoom Lens is installed. ⁵ Average value of the projector as a whole at the time of shipment is shown, and stated according to the specification sheet of JIS X 6911:2015 data projector. Measurement methods and conditions are based on Annex B. ⁶ This is not a guarantee of the life span of individual laser diodes. ⁷ These projectors include a DICOM Simulation Mode. They have not been cleared or approved for medical diagnosis and should not be used for these purposes. ⁸ Air vents should not be blocked. Install in a stable and safe manner. ⁹ Will change when Network and/or other settings are applied. ¹⁰ Amount of lens shift is an approximate calculated value. ¹¹ The "Expanded" Mode does not guarantee optical performance. ¹² The RS-SL07RST 4K Standard Zoom Lens is designed only for 4K6020Z and 4K5020Z. ¹³ RS-CL15 and RS-CL17 are used together to mount a projector on a ceiling.

4K6020Z	ITEM CODE: 2504C002	UPC CODE: 013803307436
4K5020Z	ITEM CODE: 2503C002	UPC CODE: 013803307429
IMAGE SIGNALS		
Scanning Frequency	H: 18.000kHz ~ 135.000kHz, V: 23.979Hz ~ 60.000Hz	
Digital PC Input	4096x2160, 3840x2160, 2560x1600, 2560x1440, 2048x1200, 2560x1080, 2048x1080, 1920x1080, WUXGA, UXGA, WSXGA+, SXGA+, WXGA+, FWXGA, WXGA, SXGA, XGA, SVGA, VGA	
Digital Video Input	2160p, 1080p, 1080i, 720p, 576p, 480p	
Dot Clock	594.000MHz (Maximum)	
TERMINALS		
HDMI	Digital PC / Digital Video Input (x2)	
RJ-45	HDBaseT™, Network (1000BASE-T / 100BASE-TX / 10BASE-T)	
Dsub9 (Control)	RS-232C Connection	
USB Type A	USB Connection	
Wi-Fi®	IEEE 802.11b/g/n	
Mini Jack	Audio Output (Stereo), Wired Remote Control Connection	
Trigger	DC 12V (Maximum .35A)	
Wireless Remote	Infrared	
RATINGS		
Fan Noise	4K6020Z: 38/33/29dB ¹ , 4K5020Z: 37/32/29dB ¹	
Power Consumption	4K6020Z: 620W, 4K5020Z: 550W	
Standby Power	1.6/0.25W ⁹	
Heat Dissipation	4K6020Z: Up to 2116 BTU/h, 4K5020Z: Up to 1877 BTU/h	
Power Voltage	AC 100 ~ 240V : 50/60 Hz	
Operating Temperature	32°F ~ 113°F (20%RH ~ 85%RH)	
Storage Temperature	-4°F ~ 140°F	
Dimensions (W x H x D)	18.8" x 7.7" x 21.4"	
Weight	41.8 lbs.	

OPTIONAL LENSES

	THROW RATIO	LENS SHIFT ¹⁰	ZOOM RATIO	SCREEN SIZE	FOCAL LENGTH	F-NUMBER
Standard Zoom Lens RS-SL01ST ITEM CODE: 2505C001	1.38 – 2.07:1	Normal: V: -20 – 60% H: ±6%, Expanded ¹¹ : V: ±104% H: ±25%	1.5x	40 – 600"	230 – 34.5mm	F1.89 – 2.65
Long Zoom Lens RS-SL02LZ ITEM CODE: 2506C001	2.03 – 3.46:1	Normal: V: -20 – 60% H: ±6%, Expanded ¹¹ : V: ±104% H: ±25%	1.7x	40 – 600"	340 – 57.7mm	F1.99 – 2.83
Short Fixed Lens RS-SL03WF ITEM CODE: 2507C001	0.74:1	Normal: V: ±7 H: ±2%, Expanded ¹¹ : V: ±104% H: ±25%	Fixed	40 – 300"	12.8mm	F2.0
Ultra Long Zoom Lens RS-SL04UL ITEM CODE: 2508C001	3.29 – 6.43:1	Normal: V: -20 – 60% H: ±6%, Expanded ¹¹ : V: ±104% H: ±25%	1.97x	60 – 600"	536 – 105.6mm	F2.34 – 2.81
Short Zoom Lens RS-SL05WZ ITEM CODE: 2509C001	0.93 – 1.39:1	Normal: V: -20 – 60% H: ±6%, Expanded ¹¹ : V: ±104% H: ±25%	1.5x	40 – 600"	15.56 – 23.34mm	F2.09 – 2.34
Ultra Short Fixed Lens RS-SL06UW ITEM CODE: 2701C001	0.5:1	Normal: V: -22 – 83% H: ±25%, Expanded ¹¹ : V: ±104% H: ±25%	Fixed	40 – 300"	8.39mm	F2.4
4K Standard Zoom Lens RS-SL07RST ¹² ITEM CODE: 3379C001	1.34 – 2.35:1	Normal: V: ±73% H: ±11%, Expanded ¹¹ : V: ±104% H: ±25%	1.76x	40 – 600"	22.67 – 39.79mm	F2.1 – 2.4

ACCESSORIES

ITEM	ITEM CODE
Remote Controller RS-RC07 (same as supplied)	2408C001
Remote Controller RS-RC05	5750B001
Replacement Air Filter RS-FL04	2128C001
Replacement Air Filter RS-FL05	2407C001
Ceiling Attachment RS-CL15 ¹³	0964C001
Ceiling Attachment Arm RS-CL17 ¹³ (pack of four)	2133C001
Ceiling Extension (400 – 600mm) RS-CL08	3096B001
Ceiling Extension (600 – 1000mm) RS-CL09	3097B001