## Panasonic CONNECT



Laser light source, 3LCD, 13 000 lumens, WUXGA projector

## PT-MZ13KL

Designed to reduce the AV managers workload in businesses and universities.

## **Key Features**

Laser 3LCD, 13 000 lumens, WUXGA

Silent (35dB in normal mode) and light construction (22kg) is ideal for lecture theatres and seminar rooms

20 000 hours maintenance-free operation due to the dustproof construction and long-lasting eco filter

Triple drive engine ensures non-stop operation with a failover function. A secondary backup signal input and the monitoring function reduce the impact of potential technical faults.

Flexible installation with a choice of seven optional zoom lenses . Easy setup with Geo Pro software and DIGITAL LINK function

















## PT-MZ13KL

https://oc.connect.panasonic.com/au/en/products/projectors/pt-mz13kl

screen) Keystone Correction Keystone correction optional ET-UK20 Up  Installation Terminals   SDI In Terminals   HDMI Ir Terminals   DVI-D Ir  Terminal   RGB In Terminals   Serial/M In		2,700 m (8,858 ft) above sea level,and the operating environment temperature becomes 35 °C (95 °F) or higher, the light output may be reduced to protect the projector.  13,000 lm  25.4 mm (1.0 in) diagonal (16:10 aspect ratio)  2,304,000 ( Pixels 1920 x 1200) pixels x 3	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Keystone ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   HDMI In Terminals   Serial/M In Terminals   Serial/M In Terminals   REMOTE Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL Terminals   DIGITAL Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H x Weight*5 Operating Environm Applicable Software Note	*i	2,700 m (8,858 ft) above sea level,and the operating environment temperature becomes 35 °C (95 °F) or higher, the light output may be reduced to protect the projector. 13,000 lm	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   HDMI In Terminals   Serial/M In Terminals   Serial/M In Terminals   REMOTE Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL Terminals   DIGITAL Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H ) Weight*5 Operating Environm Applicable Software		2,700 m (8,858 ft) above sea level,and the operating environment temperature becomes 35 °C (95 °F) or higher, the light output may be reduced to protect the projector.	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction Keystone Correction optional ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M In Terminals   Serial/M In Terminals   Remote Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H 1) Weight*5 Operation Environm Applicable Software			
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction Keystone Correction optional ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M In Terminals   Serial/M In Terminals   Remote Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H 1) Weight*5 Operation Environm Applicable Software			
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zolens shift   Vertical screen) Lens shift   Horizonal Screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   BUI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M In Terminals   Remote Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H 1) Weight*5 Operation Power Software		differ depending on the actual unit. *6 When using the projector at an altitude lower than	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zolens shift   Vertical screen) Lens shift   Vertical screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction optional ET-UK20 Up Installation Terminals   SDI In Terminals   BDI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M In Terminals   REMOTE Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H x Weight*5 Operation Environm Applicable Software		converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI®. *4 With legs at shortest position. *5 Average value. May	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zolens shift   Vertical screen) Lens shift   Vertical screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction optional ET-UK20 Up Installation Terminals   SDI In Terminals   BDI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M In Terminals   REMOTE Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H x Weight*5 Operation Environm Applicable Software		until light output declines to 50 % varies depending on environment. *3 4K signals are	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zolens shift   Vertical screen) Lens shift   Horizonal Screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   BUI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M In Terminals   Remote Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H 1) Weight*5 Operation Power Software		°F), 700 m (2,297 ft) above sea level, and 0.15 mg/m3 of particulate matter. Estimated time	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zolens shift   Vertical screen) Lens shift   Horizonal Screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   BUI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M In Terminals   Remote Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H 1) Weight*5 Operation Power Software		Broadcastcontents, NORMAL Mode, Dynamic Contrast [2], under conditions with 35 °C (95	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zolens shift   Vertical screen) Lens shift   Horizonal Screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   BUI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M In Terminals   Remote Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H 1) Weight*5 Operation Power Software		Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zolens shift   Vertical screen) Lens shift   Horizonal Screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   BUI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M In Terminals   Remote Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H 1) Weight*5 Operation Power Software		*1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. *2	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Keystone Correction optional ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   DVI-D In Terminals   Borial/M In Terminals   Serial/M In Terminals   REMOTE Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H ) Weight*5 Operating Environm		Kit),Smart Projector Control for iOS/Android™	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Keystone Correction optional ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   DVI-D In Terminals   Borial/M In Terminals   Serial/M In Terminals   REMOTE Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H ) Weight*5 Operating Environm		Geometry Manager Pro (ET-UK20 Upgrade Kit, ET-CUK10 Auto Screen Adjustment	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M In Terminals   REMOTE Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H ) Weight*5	e	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software,	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M In Terminals   REMOTE Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H ) Weight*5		condensation)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M In Terminals   REMOTE Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL Terminals   DO Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H x)	ment	Operating temperature: 0–45 °C (32–113 °F)*6; Operating humidity: 10–80 % (no	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   DVI-D In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M Out Terminals   REMOTE Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1	(ت ۸	Approx. 22.3 kg (49.2 lbs)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zollens shift   Vertical screen) Lens shift   Vertical screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M Out Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL Terminals   DC Out Power Supply Power Consumption Cabinet Materials Filter	x D)	35 dB (NORMAL) / 30 dB (Quiet) 650 x 211*4 x 440 mm (25 19/32" x 8 5/16"*4 x 17 21/64" ) (Without lens)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal Screen) Lens shift   Horizonal Center-to-corner zo Lens Lens shift   Horizonal Center-to-corner zo Lens Lens shift   Vertical screen) Keystone Correction Keystone Correction Terminals   STI In Terminals   SDI In Terminals   DVI-D In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M Out Terminals   Remote Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL Terminals   DIGITAL Terminals   DC Out Power Supply Power Consumption Cabinet Materials		Included (Estimated maintenance time: approx. 20,000 hours)  35 dB (NORMAL) / 30 dB (Quiet)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M Out Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL Terminals   DIGITAL Terminals   DC Out Power Supply		Molded plastic  Included (Estimated maintenance time: approx. 20,000 hours)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction Keystone Correction June 1	on	800 W	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Keystone Correction Terminals   SDI In Terminals   HDMI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M In Terminals   Remote Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL		AC 100-240 V, 50/60 Hz	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal center-to-corner zolens] Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Keystone Correction Terminals   SDI In Terminals   SDI In Terminals   DVI-D In Terminals   Serial/M In Terminals   Serial/M In Terminals   Serial/M In Terminals   Remote Terminals   Remote Terminals   Remote Terminals   Remote Terminals   LAN Terminals   DIGITAL		USB Connector (Type A) x 1 (Output 5 V/2 A)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction Keystone Correction June 1		HDCP 2.2, Deep Color, 4K/60p signal input*3)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction Keystone Correction June 1		(HDBaseT™ compliant), 100Base-TX (Compatible with PJLink™ [Class 2], Art-Net,	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal center-to-corner zolens shift   Vertical screen) Lens shift   Horizonal center-to-corner zolens shift   Horizonal center   Horizonal center   Lens shift   Horizonal center   Horizonal center   Lens shift   Horizonal center   Horizonal center   Lens shift   Horizonal center	L LINK	RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal center-to-corner zolens shift   Vertical screen) Lens shift   Horizonal center-to-corner zolens shift   Horizonal center   Horizonal center   Lens shift   Horizonal center   Horizonal center   Lens shift   Horizonal center   Horizonal center   Lens shift   Horizonal center		2], Art-Net)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   DVI-D In Terminals   RGB In Terminals   Serial/M In Terminals   Serial/M In Terminals   Serial/M In Terminals   REMOTE Terminals   REMOTE Terminals   REMOTE Terminals   REMOTE		RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PJLink™ [Class	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   DVI-D In Terminals   RGB In Terminals   Serial/M In	e 2 Out	M3 x 1 for link control (for wired remote control)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   DVI-D In Terminals   RGB In Terminals   Serial/M In Terminals   Serial/M Out		M3 x 1 for wired remote control	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   HDMI In Terminals   DVI-D In Terminals   RGB In Terminals   Serial/M In Terminals   Serial/M In	E1 IN	D-sub 9-pin (female) × 1 for external control (parallel)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   DVI-D In Terminals   DVI-D In Terminals   RGB In Terminals   Serial/M In		Furtime's vision mucountailus Tope combinate)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal center-to-corner zone lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up  Installation Terminals   SDI In Terminals   DVI-D In Terminals   RGB In Terminals   Serial/M	Terminals   Serial/Multi Projector SyncD-sub 9-pin (male) x 1 for link control (RS-232C compliant)		
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal center-to-corner zone lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals   SDI In Terminals   DVI-D In Terminals   RGB In	viulu Projector Syn	uo-suo פ-piii (remale) x דו וסו external control (KS-232C compliant)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zone Lens Shift   Vertical Screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction Keystone TT-UK20 Up Installation Terminals   SDI In Terminals   DVI-D In	Multi Projector Svo	D-sub HD 15-pin (female) x 1 (RGB/YPBPR/YCBCR)  cD-sub 9-pin (female) x 1 for external control (RS-232C compliant)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Keystone Lens Lens State   Horizonal screen) Keystone Correction Ceystone Correction Terminals   SDI In Terminals   HDMI In		only)  Desub HD 15-nin (female) v 1 (PGR/VPRPP/VCRCP)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Keystone Lens Lens State   Horizonal screen) Keystone Correction Ceystone Correction Terminals   SDI In Terminals   HDMI In	In	DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zollow Lens Shift   Vertical screen) Lens shift   Horizonal Screen) Keystone Correction Keystone Correction Keystone IT-UK20 Up		HDMI 19-pin x 1 (Compatible with HDCP 2.2, Deep Color, 4K/60p signal input*3)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction optional ET-UK20 Up		BNC x 1: 3G/HD-SDI input	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction Keystone Correction Keystone correction		Ceiling/floor, front/rear, free 360-degree installation	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction		simultaneously, correction cannot be made exceeding a total of 55 °.	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizonal screen) Keystone Correction		EMW500)When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagone Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizone screen) Keystone Correction	-	Horizontal: ±40° (±8° with ET-EMW200/ET-EMW300, ±15° with ET-EMW400/ET-	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagona Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizona screen)	n range with	Vertical: ±40° (±14° with ET-EMW200/ET-EMW300, ±22° with ET-EMW400/ET-EMW500),	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagona Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizona screen)	Runge	Horizontal: ±15° (±8° with ET-EMW200/ET-EMW300)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagona Center-to-corner zo Lens Lens shift   Vertical screen) Lens shift   Horizona	on Range	Vertical: ±40° (±14° with ET-EMW200/ET-EMW300, ±22° with ET-EMW400/ET-EMW500),	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagona Center-to-corner zo Lens Lens shift   Vertical	Lens shift   Horizontal (from center of ±20 % (±19 % with ET-EMW200) (powered)		
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagona Center-to-corner zo Lens	. ,	( s to the first s to the firs	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagona Center-to-corner zo	l (from center of	Optional powered zoom lenses ±60 % (±40 % with ET-EMW200, ±50 % with ET-EMW300) (powered)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagona	one ratio*1	85 % Optional powered zoom lenses	
Time until light outp %*2 Resolution Contrast Ratio*1	_	2.03–12.7 m (80–500 in), 16:10 aspect ratio	
Time until light outp %*2		3,000,000:1 (Full On/Full Off) * With [Dynamic Contrast] set to [3]	
Time until light outp		1920 x 1200 pixels	
Light output*1	put declines to 50	20,000 hours (NORMAL)	
		13,000 lm	
Light Source		Laser diodes	
Projector type		LCD projectors	
Feature		Specification	