

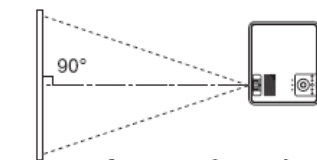
## Toshiba TLP-XC2500U Conference Room Projector Specifications

Model	TLP-XC2500U	
Display Technology	Shape	0.63" LCD
	No. of Pixels	786,432 (1024 x 768)
Projection Lens	Standard Lens	1.2x manual zoom/manual focus
	F/f (mm)	F = 1.6 - 1.88, f = 18.6 - 22.3mm
Light Source	200W (160W in low mode)	
Brightness	2500 ANSI lumens	
Native Resolution	XGA 1024 x 768	
Color Reproduction	Full 16.7 Million Colors	
Contrast Ratio	400:1	
Projection Screen Size (Diagonal)	33 - 300 inches	
Projection Distance	3.8 ft - 28.9 ft	
	F= 3.0, f=9.6 mm	
Document Camera	Camera Lens	3-million pixel 1/2" color CMOS Sensor
	Image Pick-Up Device	QXGA (horizontal 2048 x vertical 1536)
	Pixels	Manual
	Focus adjustment	None (adjust with the distance from the object)
	Zoom adjustment	Auto/Lock
	White Balance	High brightness LED illumination
	Illumination	Arm Type
Compatible Scanning Frequency	Horizontal (kHz)	15.63 - 106.25kHz
	Vertical (Hz)	50 - 85Hz
Input Terminal	Video	1 x S-video; 1x RCA for Composite Video
	RGB Audio	1x stereo mini-jack
	Video Audio	1x RCA (L/R)
Input Signal Format	Video	NTSC, PAL, SECAM
	Color Difference	HDTV/DTV (480p/480i/576i/576p/720p/1080i)
	RGB	VGA, SVGA, XGA (native), SXGA (compressed), UXGA (compressed)
Output Terminal	Audio	1x stereo mini-jack (variable output)
	RGB	1x D-sub 15 terminal share with In/Out
Other Terminal	RS-232	1x RS-232 (mini DIN 8-pin)
Natural Color Enhancer3	Yes	
Keystone Correction	Auto Vertical +/- 30°	
Auto Set	Yes	
Noise Level	36dB (33dB in low mode)	
Internal Speaker	1.0W Monaural	
External Dimensions (WxDxH)	14.6" x 9.8" x 3.6"	
Weight	8.8 lbs.	
Power Consumption	300W	
Power Source	100-240V, 50/60Hz	
Replacement Lamp	TLP-LW11	
Box Contents	Mouse remote control with laser pointer Mouse remote control receiver Two size AAA batteries Power cord RGB cable CD-ROM User's Manual Soft Carrying Bag	

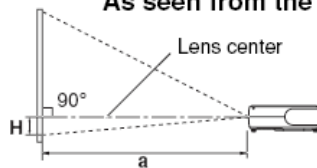
### Projection Distance and Size

Use the figures, tables, and formulas below to determine the projection size and projection distance. (Projection sizes are approximate values for full-size picture with no keystone adjustment.)

Screen **As seen from above**



**As seen from the side**



**a** is the distance (m) between the lens and the screen, and corresponds to a range of 3.74 ft to 28.93 ft. **H** is the height from the image bottom to the center of the lens.

$$a \text{ (min length)} = \frac{\text{projection size (inches)} - 0.9164}{10.036259}$$

$$a \text{ (max length)} = \frac{\text{projection size (inches)} - 0.7525}{8.615477}$$

projection size (in)	projection distance a (ft)		height (H) (in)
	min length (zooming max)	max length (zooming min)	
33		3.74	2.6
40	3.77	4.56	3.2
80	5.70	6.88	4.8
100	9.56	11.52	8.0
150	14.39	17.32	12.0
200	19.21	23.13	16.0
250	24.04	28.93	20.0
300	28.86	-	24.0