

# Toshiba TLP-X4500U Conference Room Projector Specifications

Model	<b>TLP-X4500U</b>																																																																																																																																																																																	
Display Technology	Panel Size No. of Pixels	0.99" P-Si TFT x 3 with Micro Lens 786,432 (H1,024 x V768)																																																																																																																																																																																
Projection Lens	Standard Lens F/f (mm)	x1.5 Power Zoom/Power Focus F = 1.7-2.4, f=31-46mm XGA 1,024 x 768 1.5 - 2.2:1 10:0 to 1:1 Upward Shift (Power Lens Shift)																																																																																																																																																																																
Native Resolution		4500 ANSI Lumens																																																																																																																																																																																
Throw Ratio (distance:width)		750:1																																																																																																																																																																																
Lens Shift		310W UHB																																																																																																																																																																																
Brightness		Native 4:3 (16:9 resizing mode)																																																																																																																																																																																
Contrast Ratio		Full 16.7 Million Colors																																																																																																																																																																																
Light Source		40 - 500 inches																																																																																																																																																																																
Aspect Ratio		3.9 ft - 76.1 ft																																																																																																																																																																																
Color Reproduction																																																																																																																																																																																		
Projection Screen Size																																																																																																																																																																																		
Projection Distance																																																																																																																																																																																		
Compatible Scanning Frequency	Horizontal (kHz)	15 - 91 kHz																																																																																																																																																																																
	Vertical (Hz)	50 - 120 HZ																																																																																																																																																																																
Input Terminals	Video	RCA jack x 1, S-Video x 1, RCA jack x 3 for Component Video ; BNC x 3 (shared with Computer)																																																																																																																																																																																
	Audio	RCA jack x 2 for Video; Stereo mini-jack x 2 for Computer																																																																																																																																																																																
	RGB	15-pin Mini D-sub x 1, BNC x 5 (shared with Component Video), M1-D x 1 (complied with HDCP)																																																																																																																																																																																
Input Signals	Composite Video	NTSC, NTSC4.43, PAL, PAL60, SECAM, PAL-M, PAL-N																																																																																																																																																																																
	Component Video	HDTV: 750p (720p@60Hz), 1125i (1080i@50/60Hz, 1035@60Hz) SDTV: 525i (480i), 525p (480p), 625i (575i)																																																																																																																																																																																
	RGB	VGA, SVGA, XGA, SXGA (compressed), UXGA (compressed), MAC 13", MAC 16", MAC 19"																																																																																																																																																																																
Output Terminals	Audio	Stereo mini-jack x 1 (Selected OUT)																																																																																																																																																																																
	RGB	15-pin mini D-sub x 1 (from selected computer inupt, 15-pin mini D-sub or BNC)																																																																																																																																																																																
		9-pin D-sub x 1 for RS232 USB x 1 (M-1 terminal)																																																																																																																																																																																
Control Terminals		3.5 dia. Stereo mini-jack x 1																																																																																																																																																																																
Wired Remote Control Input																																																																																																																																																																																		
Keystone Correction	Vertical	Digital +/- 15°																																																																																																																																																																																
	Horizontal	Digital +/- 5°																																																																																																																																																																																
Noise Level		40dBA (36dBA in whisper mode)																																																																																																																																																																																
Speakers		1.0W x 2																																																																																																																																																																																
External Dimensions (WxDxH)		16.5" x 12.2" x 5.9"																																																																																																																																																																																
Weight		17 lbs.																																																																																																																																																																																
Power Consumption		470W																																																																																																																																																																																
Voltage		100 -120V/220 - 240V, auto-switching																																																																																																																																																																																
Replacement Lamp Part Number		TLP-LX45																																																																																																																																																																																
		<p>Refer to the illustrations and tables below to determine the screen size and projection distance. The values shown in the table are calculated for a full size screen. (±10%)</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Reference for the 4:3 aspect ratio</b></p> </div> <div style="width: 50%;"> <table border="1" style="font-size: small;"> <thead> <tr> <th rowspan="2">A</th> <th rowspan="2">B</th> <th colspan="2">C [type (m)]</th> <th colspan="2">D [type (cm)]</th> </tr> <tr> <th>min.</th> <th>max.</th> <th>min.</th> <th>max.</th> </tr> </thead> <tbody> <tr><td>40(1.0)</td><td>24(61)</td><td>48(1.2)</td><td>71(1.8)</td><td>12(30)</td><td>24(61)</td></tr> <tr><td>60(1.5)</td><td>36(91)</td><td>71(1.8)</td><td>107(2.7)</td><td>18(46)</td><td>36(91)</td></tr> <tr><td>70(1.8)</td><td>42(107)</td><td>83(2.1)</td><td>126(3.2)</td><td>21(53)</td><td>42(107)</td></tr> <tr><td>80(2.0)</td><td>48(122)</td><td>95(2.4)</td><td>144(3.7)</td><td>24(61)</td><td>48(122)</td></tr> <tr><td>100(2.5)</td><td>60(152)</td><td>120(3.0)</td><td>181(4.6)</td><td>30(76)</td><td>60(152)</td></tr> <tr><td>120(3.0)</td><td>72(183)</td><td>144(3.7)</td><td>217(5.5)</td><td>36(91)</td><td>72(183)</td></tr> <tr><td>150(3.8)</td><td>90(229)</td><td>181(4.6)</td><td>272(6.9)</td><td>45(114)</td><td>90(229)</td></tr> <tr><td>200(5.1)</td><td>120(305)</td><td>243(6.2)</td><td>364(9.2)</td><td>60(152)</td><td>120(305)</td></tr> <tr><td>250(6.4)</td><td>150(381)</td><td>304(7.7)</td><td>455(11.6)</td><td>75(191)</td><td>150(381)</td></tr> <tr><td>300(7.6)</td><td>180(457)</td><td>366(9.3)</td><td>547(13.9)</td><td>90(229)</td><td>180(457)</td></tr> <tr><td>350(8.9)</td><td>210(533)</td><td>427(10.9)</td><td>638(16.2)</td><td>105(267)</td><td>210(533)</td></tr> <tr><td>400(10.2)</td><td>240(610)</td><td>489(12.4)</td><td>730(18.5)</td><td>120(305)</td><td>240(610)</td></tr> <tr><td>500(12.7)</td><td>300(762)</td><td>612(15.5)</td><td>913(23.2)</td><td>150(381)</td><td>300(762)</td></tr> </tbody> </table> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p><b>Reference for the 16:9 aspect ratio</b></p> </div> <div style="width: 50%;"> <table border="1" style="font-size: small;"> <thead> <tr> <th rowspan="2">A</th> <th rowspan="2">B</th> <th colspan="2">C [type (m)]</th> <th colspan="2">D [type (cm)]</th> </tr> <tr> <th>min.</th> <th>max.</th> <th>min.</th> <th>max.</th> </tr> </thead> <tbody> <tr><td>40(1.0)</td><td>20(50)</td><td>50(1.3)</td><td>77(2.0)</td><td>10(25)</td><td>23(58)</td></tr> <tr><td>60(1.5)</td><td>29(75)</td><td>77(2.0)</td><td>117(3.0)</td><td>15(37)</td><td>34(87)</td></tr> <tr><td>70(1.8)</td><td>34(87)</td><td>91(2.3)</td><td>137(3.5)</td><td>17(44)</td><td>40(102)</td></tr> <tr><td>80(2.0)</td><td>39(100)</td><td>104(2.6)</td><td>157(4.0)</td><td>20(50)</td><td>46(116)</td></tr> <tr><td>100(2.5)</td><td>49(125)</td><td>131(3.3)</td><td>197(5.0)</td><td>25(62)</td><td>57(145)</td></tr> <tr><td>120(3.0)</td><td>59(149)</td><td>158(4.0)</td><td>237(6.0)</td><td>29(75)</td><td>69(174)</td></tr> <tr><td>150(3.8)</td><td>74(187)</td><td>198(5.0)</td><td>297(7.5)</td><td>37(93)</td><td>86(218)</td></tr> <tr><td>200(5.1)</td><td>98(249)</td><td>265(6.7)</td><td>398(10.1)</td><td>49(125)</td><td>114(291)</td></tr> <tr><td>250(6.4)</td><td>123(311)</td><td>332(8.4)</td><td>498(12.6)</td><td>61(156)</td><td>143(363)</td></tr> <tr><td>300(7.6)</td><td>147(374)</td><td>399(10.1)</td><td>598(15.1)</td><td>74(187)</td><td>172(436)</td></tr> <tr><td>350(8.9)</td><td>172(436)</td><td>466(11.8)</td><td>698(17.7)</td><td>86(218)</td><td>200(508)</td></tr> <tr><td>400(10.2)</td><td>196(498)</td><td>533(13.5)</td><td>798(20.2)</td><td>98(249)</td><td>229(581)</td></tr> <tr><td>450(11.4)</td><td>221(560)</td><td>600(15.2)</td><td>898(22.7)</td><td>110(280)</td><td>257(654)</td></tr> </tbody> </table> </div> </div>	A	B	C [type (m)]		D [type (cm)]		min.	max.	min.	max.	40(1.0)	24(61)	48(1.2)	71(1.8)	12(30)	24(61)	60(1.5)	36(91)	71(1.8)	107(2.7)	18(46)	36(91)	70(1.8)	42(107)	83(2.1)	126(3.2)	21(53)	42(107)	80(2.0)	48(122)	95(2.4)	144(3.7)	24(61)	48(122)	100(2.5)	60(152)	120(3.0)	181(4.6)	30(76)	60(152)	120(3.0)	72(183)	144(3.7)	217(5.5)	36(91)	72(183)	150(3.8)	90(229)	181(4.6)	272(6.9)	45(114)	90(229)	200(5.1)	120(305)	243(6.2)	364(9.2)	60(152)	120(305)	250(6.4)	150(381)	304(7.7)	455(11.6)	75(191)	150(381)	300(7.6)	180(457)	366(9.3)	547(13.9)	90(229)	180(457)	350(8.9)	210(533)	427(10.9)	638(16.2)	105(267)	210(533)	400(10.2)	240(610)	489(12.4)	730(18.5)	120(305)	240(610)	500(12.7)	300(762)	612(15.5)	913(23.2)	150(381)	300(762)	A	B	C [type (m)]		D [type (cm)]		min.	max.	min.	max.	40(1.0)	20(50)	50(1.3)	77(2.0)	10(25)	23(58)	60(1.5)	29(75)	77(2.0)	117(3.0)	15(37)	34(87)	70(1.8)	34(87)	91(2.3)	137(3.5)	17(44)	40(102)	80(2.0)	39(100)	104(2.6)	157(4.0)	20(50)	46(116)	100(2.5)	49(125)	131(3.3)	197(5.0)	25(62)	57(145)	120(3.0)	59(149)	158(4.0)	237(6.0)	29(75)	69(174)	150(3.8)	74(187)	198(5.0)	297(7.5)	37(93)	86(218)	200(5.1)	98(249)	265(6.7)	398(10.1)	49(125)	114(291)	250(6.4)	123(311)	332(8.4)	498(12.6)	61(156)	143(363)	300(7.6)	147(374)	399(10.1)	598(15.1)	74(187)	172(436)	350(8.9)	172(436)	466(11.8)	698(17.7)	86(218)	200(508)	400(10.2)	196(498)	533(13.5)	798(20.2)	98(249)	229(581)	450(11.4)	221(560)	600(15.2)	898(22.7)	110(280)	257(654)
A	B	C [type (m)]			D [type (cm)]																																																																																																																																																																													
		min.	max.	min.	max.																																																																																																																																																																													
40(1.0)	24(61)	48(1.2)	71(1.8)	12(30)	24(61)																																																																																																																																																																													
60(1.5)	36(91)	71(1.8)	107(2.7)	18(46)	36(91)																																																																																																																																																																													
70(1.8)	42(107)	83(2.1)	126(3.2)	21(53)	42(107)																																																																																																																																																																													
80(2.0)	48(122)	95(2.4)	144(3.7)	24(61)	48(122)																																																																																																																																																																													
100(2.5)	60(152)	120(3.0)	181(4.6)	30(76)	60(152)																																																																																																																																																																													
120(3.0)	72(183)	144(3.7)	217(5.5)	36(91)	72(183)																																																																																																																																																																													
150(3.8)	90(229)	181(4.6)	272(6.9)	45(114)	90(229)																																																																																																																																																																													
200(5.1)	120(305)	243(6.2)	364(9.2)	60(152)	120(305)																																																																																																																																																																													
250(6.4)	150(381)	304(7.7)	455(11.6)	75(191)	150(381)																																																																																																																																																																													
300(7.6)	180(457)	366(9.3)	547(13.9)	90(229)	180(457)																																																																																																																																																																													
350(8.9)	210(533)	427(10.9)	638(16.2)	105(267)	210(533)																																																																																																																																																																													
400(10.2)	240(610)	489(12.4)	730(18.5)	120(305)	240(610)																																																																																																																																																																													
500(12.7)	300(762)	612(15.5)	913(23.2)	150(381)	300(762)																																																																																																																																																																													
A	B	C [type (m)]		D [type (cm)]																																																																																																																																																																														
		min.	max.	min.	max.																																																																																																																																																																													
40(1.0)	20(50)	50(1.3)	77(2.0)	10(25)	23(58)																																																																																																																																																																													
60(1.5)	29(75)	77(2.0)	117(3.0)	15(37)	34(87)																																																																																																																																																																													
70(1.8)	34(87)	91(2.3)	137(3.5)	17(44)	40(102)																																																																																																																																																																													
80(2.0)	39(100)	104(2.6)	157(4.0)	20(50)	46(116)																																																																																																																																																																													
100(2.5)	49(125)	131(3.3)	197(5.0)	25(62)	57(145)																																																																																																																																																																													
120(3.0)	59(149)	158(4.0)	237(6.0)	29(75)	69(174)																																																																																																																																																																													
150(3.8)	74(187)	198(5.0)	297(7.5)	37(93)	86(218)																																																																																																																																																																													
200(5.1)	98(249)	265(6.7)	398(10.1)	49(125)	114(291)																																																																																																																																																																													
250(6.4)	123(311)	332(8.4)	498(12.6)	61(156)	143(363)																																																																																																																																																																													
300(7.6)	147(374)	399(10.1)	598(15.1)	74(187)	172(436)																																																																																																																																																																													
350(8.9)	172(436)	466(11.8)	698(17.7)	86(218)	200(508)																																																																																																																																																																													
400(10.2)	196(498)	533(13.5)	798(20.2)	98(249)	229(581)																																																																																																																																																																													
450(11.4)	221(560)	600(15.2)	898(22.7)	110(280)	257(654)																																																																																																																																																																													
Standard Accessories		Remote Control, Batteries, RGB Cable, Power Cord, Video Cable (for Video/Audio), M1-D Cable (Conversion cable between M1 and DVI+USB), User's Manual																																																																																																																																																																																