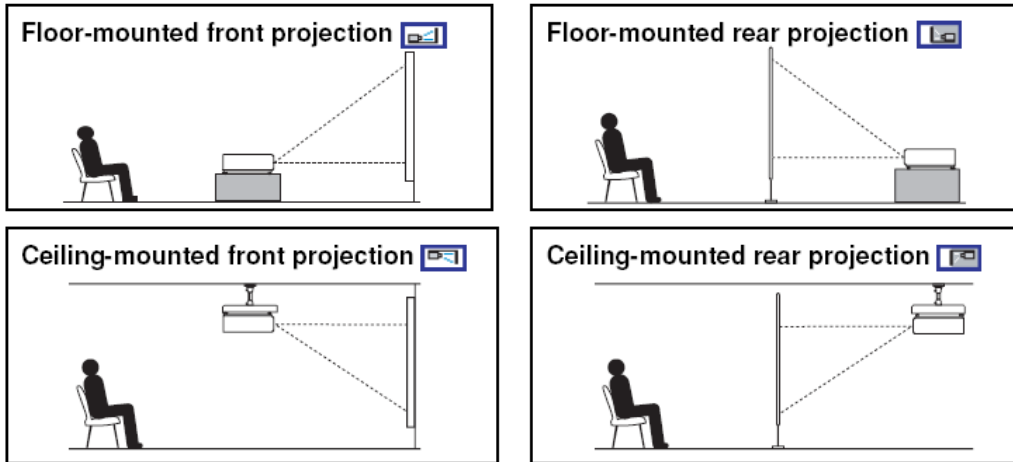


Model		Toshiba TDP-EX20U
Display Technology	Shape	0.55" DMD DLP®
	No. of Pixels	1024 x 768
Projection Lens	Standard Lens	Fixed zoom / Manual Focus
	F/f (mm)	F = 2.6, f = 8.37
Throw Ratio		0.74
Aspect Ratio		4:3 (16:9 switchable)
Light Source		275W (220W in low mode)
Brightness		2300 ANSI lumens
Native Resolution		XGA 1024 x 768
Built-in Wireless Technology		IEEE 802.11b/g
Color Reproduction		Full 16.7 Million Colors
Contrast Ratio		2000:1
Projection Screen Size (Diagonal)		40" - 100" inches
Projection Distance		1.9 ft - 4.9 ft
Optical Offset		130%
Compatible Scanning Frequency	Horizontal (kHz)	15 - 120kHz
	Vertical (Hz)	50 - 150Hz
Input Terminal	RGB	2 x D-sub 15 (dual use for Computer 1 / 2 input & Component Video)
	Video	1x S-video; 1x RCA for Composite Video
	RGB Audio	1 x stereo mini-jack
	Video Audio	2x RCA (L/R)
Input Signal Format	Video	NTSC, PAL, SECAM
	Color Difference	HDTV/DTV (480p/480i/576i/576p/720p/1080i), DVD
	RGB	VGA, SVGA, XGA (native), WXGA/SXGA/UXGA (compressed)
Output Terminal	Audio	1x stereo mini-jack (variable output level)
	RGB	1x D-sub 15 terminal
	RS-232	1x D-sub 9-pin
Other Terminal	RJ-45	1x RJ-45 networking terminal (Windows® Vista network capable)
	USB	1x USB port
Picture Color Enhancer		DLP® Brilliant Color™ + Toshiba Natural Color Enhancer4
Keystone Correction		Auto Vertical +/- 18°
Auto Set		Yes
Noise Level		33dB (28dB in low mode)
Internal Speaker		1-Watt Monaural
External Dimensions (W x H x D)		13.3" x 5.2" x 10.5"
Weight		9.2 lbs.
Power Consumption		385W
Power Source		100-240V, 50/60Hz
Service Replacement Lamp		TLP-LW15
Warranty		Two years for parts and labor, 90-day warranty on lamps
Box Contents		Mouse remote control with laser pointer Mouse IR receiver Power cord RGB cable CD-ROM User's Manual Soft Carrying Bag
<p>*RoHS. This projector is compatible with European Union Directive 2002/95/EC, Restriction of the use of certain Hazardous Substances in electrical and electronic equipment (RoHS), which restricts use of lead, cadmium, mercury, hexavalent chromium, PBB, and PBDE. Toshiba requires its projector component suppliers to meet RoHS requirements and verifies its suppliers' commitment to meeting RoHS requirements by conducting component sampling inspections during the product design approval process.</p> <p>© 2007 Toshiba America Information Systems, Inc. DLP® and the DLP logo are trademarks of Texas Instruments. All trademarks are the property of their respective owners. While Toshiba has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. All rights reserved.</p>		

Placement

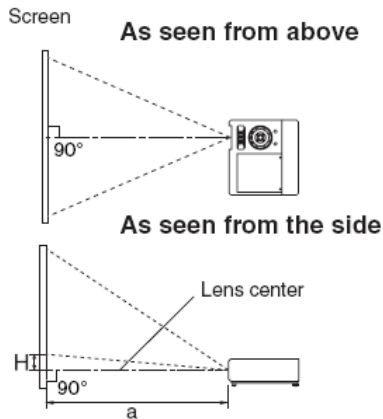
Placement Styles

As shown in the figures below, this device can be placed in 4 different styles. The factory setting is "floor-mounted front projection." Set the [Projection mode] in the Default setting 2 menu [p.41](#), in accordance with your needs.



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.)



a is the distance (mm, feet) between the lens and the screen, and corresponds to a range of 580 mm (1.90 ft.) to 1501 mm (4.93 ft.). H is the height from the image bottom to the center of the lens.

$$a = 0.00375 \times \text{projection size (inches)}^2 + 14.815 \times \text{projection size (inches)} - 18.3$$

Projection size	Projection distance a	Height (H)
40 inches	580 mm (1.90 ft.)	91.4 mm (0.30 ft.)
50 inches	732 mm (2.40 ft.)	114.3 mm (0.38 ft.)
60 inches	884 mm (2.90 ft.)	137.2 mm (0.45 ft.)
80 inches	1191 mm (3.91 ft.)	182.9 mm (0.60 ft.)
100 inches	1501 mm (4.93 ft.)	228.6 mm (0.75 ft.)