

## Toshiba TDP-T45U Mobile Projector Specifications

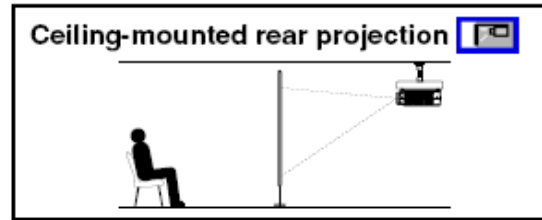
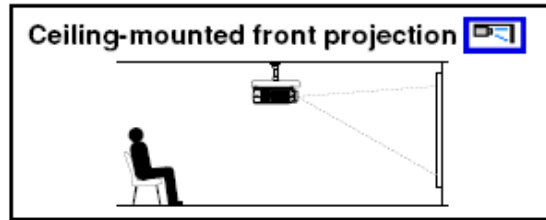
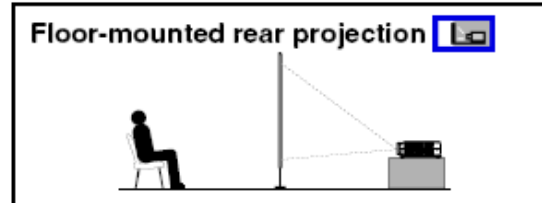
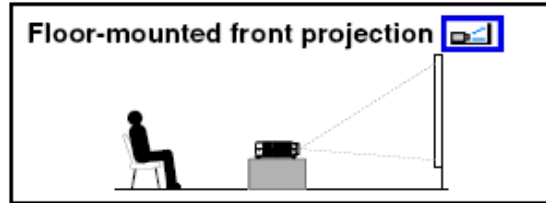
| Model                             | TDP-T45U                                                                                       |                                                                              |
|-----------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Display Technology                | Shape                                                                                          | 0.55" DMD DLP™                                                               |
|                                   | No. of Pixels                                                                                  | 786,432 (1024 x 768)                                                         |
| Projection Lens                   | Standard Lens                                                                                  | 1.2x manual zoom/manual focus                                                |
|                                   | F/f (mm)                                                                                       | F = 2.0 - 2.2, f = 19.41 - 23.32 mm                                          |
| Light Source                      |                                                                                                | 190W                                                                         |
| Brightness                        |                                                                                                | 2500 ANSI lumens                                                             |
| Native Resolution                 |                                                                                                | XGA 1024 x 768                                                               |
| Color Reproduction                |                                                                                                | Full 16.7 Million Colors                                                     |
| Contrast Ratio                    |                                                                                                | 2000:1                                                                       |
| Projection Screen Size (Diagonal) |                                                                                                | 36" - 300"                                                                   |
| Projection Distance               |                                                                                                | 11.5 ft / 100-inch                                                           |
| Compatible Scanning Frequency     | Horizontal (kHz)                                                                               | 15.7 - 106.25kHz                                                             |
|                                   | Vertical (Hz)                                                                                  | 50 - 85Hz                                                                    |
| Input Terminals                   | RGB                                                                                            | 2x D-sub 15-pin                                                              |
|                                   | Video                                                                                          | 1x RCA for Composite Video, 1x S-Video                                       |
|                                   | RGB Audio                                                                                      | 1x stereo mini-jack                                                          |
|                                   | Video Audio                                                                                    | 2x RCA jacks (L/R)                                                           |
| Input Signal Format               | Video                                                                                          | NTSC, PAL, SECAM                                                             |
|                                   | Color Difference                                                                               | HDTV/DTV (480p/480i/576i/576p/720p/1080i)                                    |
|                                   | RGB                                                                                            | VGA, SVGA, XGA (true), SXGA (compressed), UXGA (compressed), MAC (MAC16, 19) |
| Output Terminals                  | Audio                                                                                          | 1x stereo mini-jack (variable output)                                        |
|                                   | RGB                                                                                            | 1x D-sub 15-pin                                                              |
| Digital Keystone Correction       |                                                                                                | Manual +/- 15°                                                               |
| Internal Speaker                  |                                                                                                | 1.0W Monaural                                                                |
| PC Interface                      |                                                                                                | RS232C (mini DIN-8 pin)                                                      |
| External Dimensions (WxDxH)       |                                                                                                | 11.2" x 10.0" x 3.8"                                                         |
| Weight                            |                                                                                                | 6.6 lbs.                                                                     |
| Power Source                      |                                                                                                | 100-240V, 50/60Hz                                                            |
| Power Consumption                 |                                                                                                | 260W                                                                         |
| Replacement Lamp                  |                                                                                                | TLP-LV8                                                                      |
| Box Contents                      | Remote Control with Batteries, Power Cord, RGB Cable, CD-ROM, User's Manual, Soft Carrying Bag |                                                                              |

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## Placement Styles

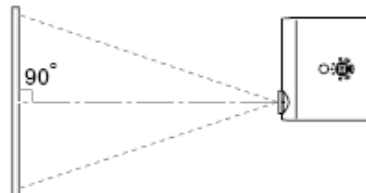
As shown in the figures below, this device can be placed in 4 different styles.



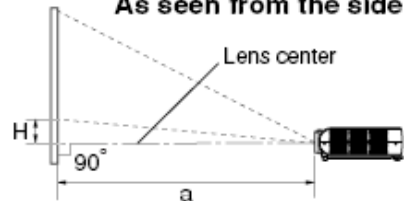
## Projection Distance and Size

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 (ft) between the lens and the screen, and corresponds to a range of 4.6 ft to 34.4 ft. **H** is the height from the image bottom to the center of the lens.

$$a \text{ (min length)} = \frac{\text{projection size (Inches)}}{8.708}$$

$$a \text{ (max length)} = \frac{\text{projection size (Inches)}}{7.507}$$

| projection size (in) | projection distance a (ft) |                          | height (H) (in) |
|----------------------|----------------------------|--------------------------|-----------------|
|                      | min length (zooming max)   | max length (zooming min) |                 |
| 40                   | 4.6                        | 5.3                      | 1.6             |
| 60                   | 6.9                        | 8.0                      | 2.3             |
| 80                   | 9.2                        | 10.7                     | 3.1             |
| 100                  | 11.5                       | 13.3                     | 3.9             |
| 150                  | 17.2                       | 20.0                     | 5.9             |
| 200                  | 23.0                       | 26.6                     | 7.8             |
| 250                  | 28.7                       | 33.3                     | 9.8             |
| 300                  | 34.4                       | -                        | 11.7            |