

Epson® 100" LS500 Laser Projection TV¹



Introducing Epson Laser Projection TV¹ – Be Amazed.

A Complete Solution — Epson Laser Projection TV¹ includes an ultra-short-throw laser projector with an ultra-high-resolution, ambient-light-rejecting screen for an exceptionally bright, colorful and sharp picture

Ultra-short-throw Technology — for a breakthrough viewing experience with no shadows, plus easy installation; simply place the projector close to the wall and beam a 100" image

Immersive 100" Display — a new generation of digital projection that redefines the everyday television experience by offering a stunning 100" picture; easy to set up and with no-glare

4K PRO-UHD^{®2} Projection Technology — advanced processing for resolution enhancement, color and image processing, resulting in an exceptionally sharp picture

Incredibly Bright Picture — displays 4K HDR³ content at an exceptional level of brightness of 4,000 lumens in color⁴; for all-day viewing in virtually any lighting environment

Advanced HDR Processing — 10-bit HDR³ processing accepting 100 percent of the source information to faithfully reproduce HDR content for an exceptional visual performance

Outstanding Color Accuracy — advanced 3-chip 3LCD technology capable of displaying the Rec.709 color space⁵

Dynamic Contrast Ratio Exceeding 2,500,000:1 — advanced black density control individually pulses the laser light to precisely suppress stray light within the signal for incredible deep blacks

Digital Picture Processing — real-time 12-bit analog-to-digital video processing for smooth tonal transitions; eliminates banding, blocking and other compression artifacts



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Specifications – Projector

Projection System True 3-chip (3LCD) Ultra Short-throw
Smart TV Operating System Included Android TV
Projection Method Tabletop Front Facing
Screen Type Ceiling Light-rejecting Thin-bezel Fixed Frame
Screen Size 100-inch 16:9
Projector Color Black or White
Driving Method Poly-silicon TFT Active Matrix
Maximum Resolution 4096 x 2160
Supported Resolutions 3840 x 2160, Full HD 1080p/i, HD 720p, 576p/i, 480p/i
Native Aspect Ratio 16:9 widescreen (4:3 resize, 16:10 and 1.9:1 resize)
Pixel Arrangement Cross Stripe
Liquid Crystal Type Vertical Alignment
Micro Lens Array Yes
Focus Control Precision Analog Slider
Output Refresh Rate Up to 60 Hz
Color Brightness⁴ Color Light Output: 4,000 lumens
White Brightness⁴ White Light Output: 4,000 lumens
Dynamic Contrast Ratio Over 2,500,000:1 (Color Mode: Dynamic; Consumption: Normal; Zoom: Wide)
Maximum Color Gamut⁵ Rec.709
Chroma Subsampling 4:2:2 (4K 60 fps HDR10), 4:4:4 (4K 30 fps HDR10), 4:4:4 (4K 60 fps no HDR)
Color Reproduction Full 10-bit (up to 1.07 billion colors)
Throw Ratio Range 0.28 (Zoom: Wide), 0.38 (Zoom: Tele)
Size (Projected Distance from Lens) 100" (lens to screen 24.6"; front to screen 30.2"; back to screen: 15.4")
Keystone Correction Vertical: ±3 degrees | Horizontal: ±3 degrees
High Dynamic Range³ HLG and Full 10-bit HDR
Real-time HDR Curve Adjustment Yes – 16 Steps
Digital Color Processing Real-time 12-bit Analog-to-digital
Light Source Laser diode
Dynamic Laser Life⁶ Up to 20,000 hours (Power Consumption: Normal, Quiet)

Projection Lens

Type Manual focus
F-number 1.5
Focal Length 3.9 mm
Zoom Ratio 1.0 – 1.35 Digital Zoom

Other Features

Built-in Audio Front-firing 10 W Stereo Speakers
Instant ON/OFF Yes
3D Compatibility² Yes – Using Active RF 3D Glasses
Computer Compatibility PC, Mac[®]
Operating Temperature 41 ° to 95 °F (5 ° to 30 °C) (20% – 80% humidity, no condensation)
Power Supply Voltage 100 – 240 VAC ± 10%, 50/60 Hz
Power Consumption
 ECO Mode: 236 W
 Normal Mode: 381 W
 Networked Standby: 2.0 W
 Energy Saving: 0.5 W
Fan Noise
 Quiet Mode: 23 dB
 Normal Mode: 36 dB

Interfaces

Audio Out 1x (Stereo mini)
HDMI[®] 3x 2.0 (18 Gbps)/HDCP 2.2 (1 ARC, one in front used by Android TV dongle)
RS-232C 1x
USB Type A 2x (one in front used by Android TV dongle)
LAN (RJ-45) 1x



Dimensions - Projector (W x D x H)

Excluding Feet 18" x 14.7" x 8.2"
Including Feet 18" x 14.7" x 9.0"
Weight 20.5 lb

Remote Control

Infrared Receiver Features Front and rear directional
Operating Distance Front/Rear: 19.7' (6 m)
Operating Angle
 Rear: Left/Right: +/- 55 degrees
 Upper/Lower: +75 degrees to +15 degrees
 Front: Left/Right: +/- 30 degrees
 Upper/Lower: 0 degrees to +60 degrees

Specifications – Screen

Gain 0.6
Viewing angle 170°
Throw ratio <0.3
Ambient light rejection yes

Dimensions - Screen (D x W x H)

Projection area 100" screen (W x H) 87.2" x 49.0"
Overall 100" screen (D x W x H)
 1.2" x 88.0" x 49.9"
Weight 100" screen: 24.3 lbs

Eco Features

RoHS compliant
 Recyclable product⁷
 Epson America, Inc. is a SmartWay[®] Transport Partner⁸

Support

Epson ConnectionSM
 Pre-sales support: U.S. and Canada: 800-463-7766
 Internet website: www.epson.com
Service Programs 2-year projector limited warranty, Extra CareSM Home Service program, PrivateLine[®] dedicated toll-free support (U.S. and Canada only)

What's in the Box

Epson 100" LS500 Laser Projection TV¹, power cord, remote control with AAA batteries, Android TV dongle with remote control and AAA batteries, HDMI extension cable, USB extension cable, Quick Setup Guide, 100" screen with wall mounting hardware. Ships in 1 box

Ordering Information

Epson 100" LS500 Laser Projection TV¹ (Black model)
 LS500BATV100EP
 Epson 100" LS500 Laser Projection TV¹ (White model)
 LS500WATV100EP

1 TV Tuner not included. Purchase of separate TV Tuner and Antenna are required to watch free over-the-air local channels. | 2 4K Enhancement Technology shifts each pixel to double Full HD resolution on screen. Resolution is Full HD in 3D Mode. | 3 HDR performance available with select third-party devices. For more information, see www.epson.com/hdrcompatibility | 4 Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118. | 5 Entire Rec.709 color space can be displayed in Digital Cinema Mode only. | 6 Based on an estimated projector life of 20,000 hours when used in Normal Mode, operated 4 hours per day. Actual hours may vary depending on mode and usage environment. The projector comes with a 2-year limited warranty. | 7 For convenient and reasonable recycling options, visit www.epson.com/recycle | 8 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

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