EPSON®

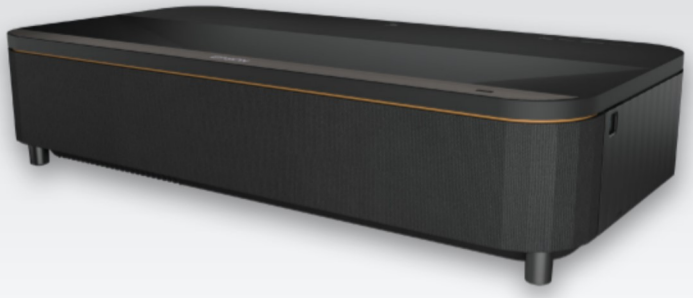
SPECIFICATION SHEET

Projectors

4K DISPLAY TECHNOLOGY

Epson QS100 4K PRO-UHD® HDR 4,500 Lumen 3LCD Ultra Short Throw Laser Projector

4K PRO-UHD®[1]



Reimagine Projection.

Cutting-Edge Ultra Short Throw Lens Technology — Unlike standard throw projectors, the precision glass ultra short throw lens drastically reduces the throw distance and supports screen sizes up to 160"—from just a few inches away

Ultra Bright Picture — Delivers outstanding color accuracy with 3-chip 3LCD technology and 4,500 lumens color brightness (IDMS Rated) and 4,500 lumens of white brightness (ISO Rated)[2]; new preset picture modes specifically calibrated for bright environments

Exceptionally Sharp 4K Experience — 4K PRO-UHD[1] uses advanced pixel-shifting technology to control three individual high-definition LCD chips, producing amazing detail and clarity without sacrificing picture brightness

Impressive HDR – Full 10-bit HDR color processing accepts 100% of the HDR source information to faithfully reproduce HDR, HDR10[3] and HLG (Hybrid Log Gamma) content for an exceptional visual performance. Dynamic tone mapping automatically adjusts to the optimal HDR level according to the scene

Epson QZX Picture Processor — Proprietary 32-bit Epson processor delivers extraordinary contrast even in bright environments thanks to advanced dynamic tone mapping; optimizes each frame for exceptional brightness and contrast

Smart Home Control — Professional-grade IP control systems like Control4® and Crestron® control systems, as well as PJLink®, are supported to create an intuitive home entertainment experience

Quick Turn-On Laser Array Light Source — True multi-array laser diodes produce an ideal light source that delivers incredible color accuracy; virtually maintenance-free for up to 20,000 hours[4]

Epic Big Picture Gaming Performance — Smooth gaming experience with support for Auto Low Latency Mode (ALLM) and very low input lag for competitive gaming

Simple and Flexible Installation — With individually adjustable feet, multi-point picture settings and an optional wall mount bracket, it is easy to set up this ultra short throw projector in no time

HDR10[3]

3LCD

LASER LIGHT SOURCE

HDMI™ HIGH DEFINITION MULTIMEDIA INTERFACE

Epson QS100 4K PRO-UHD® HDR

4,500 Lumen 3LCD Ultra Short Throw Laser Projector

Specifications

Projection System Epson 3-chip 3LCD technology ultra short throw
Projection Method
Ceiling Mount Front / Ceiling Mount Rear / Table Projection Front / Table Projection Rear / Portrait Right / Portrait Left
Projector Color Black or White
Driving Method Poly-Silicon TFT Active Matrix
Maximum Resolution 4K Enhancement (1920 x 1080 x 2)
Native Aspect Ratio 16:9 widescreen (4:3 and 16:10 resize)
Focus Control Precision Manual Slider
Refresh Rate Up to 4K 60 Hz
Color Brightness (IDMS Rated) Color Light Output[2]: 4,500 lumens (Color Mode: Dynamic; Zoom: N/A; Dynamic Contrast: Off)
White Brightness (ISO Rated) White Light Output[2]: 4,500 lumens (Color Mode: Dynamic; Zoom: N/A; Dynamic Contrast: Off)
Dynamic Contrast Ratio Over 5,000,000:1 (Color Mode: Dynamic; Consumption: Normal; Zoom: Wide)
Maximum Color Gamut BT. 2020
Chroma Subsampling 4:2:2 (4K PRO-UHD[1] 60 fps HDR10[3], HLG), 4:4:4 (4K 24 fps HDR10[3], HLG), 4:4:4 (4K 60 fps no HDR)
Color Reproduction Full 10-bit (up to 1.07 billion colors)
Throw Ratio Range 0.16 (Zoom: Wide), 0.40 (Zoom: Tele)
High Dynamic Range HLG, HDR10[3]
Light Source Laser diode
Dynamic Laser Life[4] Up to 20,000 hours (Power Consumption: Normal, Quiet)

Projection Lens

Type Manual focus
F-Number 1.8
Focal Length 2.3 mm
Zoom Ratio 1 – 1.35 (Digital Zoom)
Throw Ratio 0.16 (Zoom Wide), 0.22 (Zoom Tele)

Other Features

Digital Video Compatibility HDMI® digital signal inputs 2160p (at 24/30/50/60 Hz), 1080p (at 24/30/50/60 Hz), 1080i (at 50/60 Hz), 720p (at 50/60 Hz), 576p (at 50 Hz), 480p (at 60 Hz)
Operating Temperature
Low Altitude: 32° F to 104° F (0° C to 40° C)
High Altitude: 32° F to 95° F (0° C to 35° C)
Power Supply Voltage 100 – 240 VAC ± 10%, 50/60 Hz
Power Consumption
Eco Mode: 219 W, Normal Mode: 346 W
Network Standby: 2.0 W, Energy Saving: 0.4 W
Fan Noise Quiet Mode: 20 dB, Normal Mode: 34 dB
Color Modes Dynamic, Vivid, Cinema, Natural
HDR Adjustment Dynamic Tone Mapping
Gaming Features ALLM (Auto Low Latency Mode)
Geometry Correction Quick Corner, Arc, Point, Geometry Correction Wizard & Memory, Epson Setting Assistant App
HDMI Link Supports HDMI CEC
Web Control Projector Setup and Control via Web browser
Smart Home Control PJLink, Control4, Crestron Support

Interfaces

HDMI 2x HDCP 2.3 (18 Gbps) ports supporting CEC HDMI2 supports eARC/ARC
USB Type-A 2x (1x PC Free, content playback, Firmware updates, 1x for 5 V / 2 A power supply)
USB Type-B for Firmware updates
LAN RJ45 (control only)
1x RS-232C (DB-9)

Dimensions (W x D x H)

Including Feet 27.4" x 6.2" x 13.4"
Weight 26.46 lb

Remote Control

Infrared Receiver Operating Distance Front/Rear: 19.7' (6 m)
Operating Angle Rear: Left/Right: ±30 degrees, Upper/Lower: +60 degrees to +0 degrees

Eco Features

Power Consumption

LD On (Power Consumption: Normal)	346 W
LD On (Power Consumption: Medium)	276 W
LD On (Power Consumption: Eco)	219 W
Network Standby	2 W
Energy Saving	0.4 W

RoHS compliant
End-of-life options available[5]
Epson America, Inc. is a SmartWay® Transport Partner[6]

Limited Warranty

3-year projector limited warranty, Extra Care℠ Home Service program, PrivateLine® dedicated toll-free support (U.S. and Canada only)

What's Included

Epson QS100 4K PRO-UHD[1] HDR UST Laser Projector, power cable, remote control with (2) AA batteries and Quick Setup Guide

Ordering Information

QS100B Black	V11HB49120
QS100W White	V11HB49020
Ceiling Mount - (ELPMB22) White only	V12H003B22
Low Profile Ceiling Mount (ELPMB30) White only	V12H526040
Extreme Short Throw Wall Mount (ELPMB75) White only	V12HB12010
Air Filter Set ELPAF64	V13H134AE0
SilverFlex® Ultra ALR Screen 100" ELPSC35	V12H002AL0
SilverFlex Ultra ALR Screen 120" ELPSC36	V12H002AM0

1 4K Resolution Enhancement Technology shifts each pixel to produce an image on screen, up to the stated specification. | **2** 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. | **3** HDR performance available with select third-party devices. For more information, see www.epson.com/hdrcompatibility | **4** No required maintenance for the light source for up to 20,000 hours. Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 - 0.20 mg/m³ of particulate matter. Time varies depending on usage conditions and environment. Replacement of parts other than the light source may be required in a shorter period. | **5** For convenient and reasonable recycling options, visit www.epson.com/recycle | **6** SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

SmartWay Transport Partner
Getting There With Cleaner Air

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