

# Epson QB1000 4K HDR 3,300 Lumen 3LCD Laser Projector



## Reimagine Projection.

**Stunning 4K Picture Quality** – Advanced 4K display technology<sup>1</sup> works in parallel with three individual high-definition LCD chips to display a full 8.29 million pixels on-screen for an exceptionally sharp 4K UHD picture without sacrificing picture brightness

**High Picture Brightness** – Impressive 3,300 lumens of color brightness (IDMS Rated) and 3,300 lumens of white brightness<sup>2</sup> (ISO Rated) for an exceptional picture in virtually any theater environment – even in rooms with ambient light

**3-Chip 3LCD Projector Engine** – Unique 3LCD technology uses three individual LCD chips to continuously display 100% of the RGB color signal for every frame. This allows for an outstanding color gamut while maintaining excellent brightness without any rainbowing or color brightness issues seen with other projection technologies

**Impressive HDR** – Full 10-bit HDR color processing accepts 100% of the HDR source information to faithfully reproduce HDR, HDR10+<sup>3</sup> 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** – Our most powerful video processing technology to date, the proprietary 32-bit Epson QZX Picture Processor handles real-time color, dynamic contrast, HDR, frame interpolation, dynamic tone mapping and resolution super-sampling to faithfully reproduce the source material the way the director intended

**Laser-Array Light Source** – True multi-array laser diodes produce an ideal light source to power the unique 3-chip 3LCD projector engine for incredible picture brightness, black contrast and color accuracy

**UltraBlack™ Technology** – Taking full advantage of the laser-array light source, Epson created a proprietary compensation filter that controls the polarization of light itself. This allows Epson to suppress any stray light within the signal to dramatically enhance the overall black density and picture contrast while producing a Dynamic Contrast Ratio exceeding 5,000,000:1



UltraBlack

### Specifications

**Projection System** Epson 3LCD  
**Chip Design (Architecture)** 3-Chip  
**Light Source** True Laser Diode Array  
**Projection Method** Front, Front-Ceiling, Rear, Rear-Ceiling  
**Product Color** Black  
**Driving Method** Poly-Silicon TFT Active Matrix, 0.74"-wide panel, 12-bit  
**Output Resolution** 4K Display Technology<sup>1</sup>, 3840 x 2160 (dual-axis: 1920 x 1080)  
**Maximum Input Resolution** 4096 x 2160  
**Maximum Refresh Rate** 120 Hz  
**Supported Resolutions** 4K 2160p, 2K Full HD 1080p/i, HD 720p, 576p/i, 480p/i  
**Native Aspect Ratio** 16:9 widescreen  
**Resize Aspect Ratio Support** 1.9:1 (4096 x 2160), 21:9 (2560 x 1080), 4:3 (1600 x 1200), 3:2 (720 x 480), 5:4 (720 x 576); compatible with Normal, Full or Zoom Modes  
**Color Brightness<sup>2</sup>** Color Light Output: 3,300 lumens (IDMS Rated)  
**White Brightness<sup>2</sup>** White Light Output: 3,300 lumens (ISO Rated)  
**Contrast Ratio** Up to and over 5,000,000:1, with Dynamic Contrast in Normal or High Speed setting  
**White Balance** 13-point temperature adjustment  
**Color Reproduction** Full-color (up to 1.07 billion colors)  
**Size (Projected Distance)** 50" to 300" (at 58" to 62.4")  
**HDR Color Processing** Full 10-bit  
**Epson QXZ Picture Processor** Full 12-bit  
**Light Source Life<sup>4</sup>**  
 Normal Mode: Up to 20,000 hours  
 Medium Mode: Up to 20,000 hours  
 Eco Mode: Up to 20,000 hours

### Projection Lens

**Epson VRX Lens** 15-element precision glass structure (AGS)  
**Type** Powered focus/optical zoom/lens position  
**F-Number** 2.0 – 3.0  
**Focal Length** 22.5 – 46.7 mm  
**Zoom Ratio** 1 – 2.1  
**Throw Ratio Range** 1.35 – 2.84  
**Lens Shift**  
 Vertical: -96.3% to +96.3% (H center, powered)  
 Horizontal: -47.1% to +47.1% (V center, powered)  
**Keystone Correction** Vertical/Horizontal: ± 30 degrees  
**Lens Cover** Powered, slide lens shutter

### Interfaces

2x HDMI® 2.1 (HDCP 2.3); one supporting eARC/ARC  
 1x USB Type-A (for optical HDMI cable, 300 mA maximum power supply only)  
 1x USB Type-A 5 V, 2.0 A for power and firmware  
 1x Mini USB (service only)  
 1x LAN RJ45 (control only)  
 1x RS-232C (DB-9)  
 1x Trigger Out (On, Off, Anamorphic Wide) 12 V DC, 200 mA maximum (3.5 mm mono or stereo mini-jack)



### Other Features

**Dynamic Range Support** HDR10<sup>3</sup>, HLG  
**HDR Adjustment** 16 steps, real-time; Automatic Dynamic Tone Mapping  
**Color Modes** Dynamic, Vivid, Cinema, Natural  
**Aspect Adjustment** Yes (Auto/Full/Zoom/Anamorphic Wide/Horizontal Squeeze)  
**Anamorphic Lens Option** Compatible with third-party options; Anamorphic Lens Kit sold separately  
**Frame Interpolation** Input up to 4K at 60 Hz, output up to 4K at 120 Hz  
**eARC Audio Compatibility** LPCM, supports Dolby® Digital AC-3, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS, DTS-HD, DTS-HD High Resolution Audio, Master Audio, DTS:X, AAC  
**ARC Audio Compatibility** LPCM, Dolby Digital (AC-3), DTS, AAC  
**Web Control** Projector setup and control via web browser  
**Operating Temperature** 41° to 95° F (5° to 35° C)  
**Smart Home Control** PJLink®, Control4® and Crestron® Support  
**Power Supply Voltage** 100 – 240 VAC ± 10%, 50/60 Hz  
**Power Consumption**  
 Normal Mode: 341 W  
 Medium Mode: 301 W  
 Eco Mode: 206 W  
**Fan Noise** 22 – 32 dB  
**Security** Kensington® security lock port  
**Parental Controls** Power Button Lock hinders projector from being turned on without parental supervision

### Dimensions (W x D x H)

**Projector, Including Feet (Excluding Cable Cover)**  
 20.5" x 17.6" x 7.6"  
 Weight: 28.2 lb  
 Packaging: 27.25" x 21.75" x 10.5"  
 Weight: 49.8 lb

### Remote Control

**Features** Front and rear directional  
**Operating Distance** 32 ft (10 m)  
**Operating Angle**  
 Front Right/Left: ± 30 degrees  
 Upper/Lower: ± 30 degrees  
 Rear Right/Left: ± 30 degrees  
 Upper/Lower: 0 + 60 degrees

### Support

**Epson Connection<sup>SM</sup>**  
 Pre-Sales Support: U.S.: 800-463-7766, Canada: 800-807-7766  
 Website: U.S.: www.epson.com, Canada: www.epson.ca  
**Service Programs** 3-year projector limited warranty, Extra Care<sup>SM</sup> Home Service program, PrivateLine<sup>SM</sup> dedicated toll-free support (U.S. and Canada only)  
**Limited Warranty** 3-year limited warranty in U.S. and Canada

### What's in the Box

QB1000 projector, cable cover, power cord, remote control with (2) AA batteries, Quick Setup Guide

### Eco Features

RoHS compliant  
 End-of-life options available<sup>5</sup>  
 Epson America, Inc. is a SmartWay® Transport Partner<sup>6</sup>

### Ordering Information

QB1000B Black	V11HB23120
QB1000W White	V11HB23020
Replacement Air Filter ELPAF62	V13H134AB0
Ceiling Mount (Black)	CHF4500
Ceiling Mount (White)	CHF4000

Resolution	Refresh Rate (Hz)	Color Space (YCbCr)								
		4:2:0			4:2:2			4:4:4		
		8-bit	10-bit	12-bit	8-bit	10-bit	12-bit	8-bit	10-bit	12-bit
3840 x 2160	30	Signal does not exist			SDR	HDR*	HDR*	SDR	HDR*	HDR*
3840 x 2160	60	SDR	HDR*	HDR*	SDR	HDR*	HDR*	SDR	HDR*	HDR*
3840 x 2160	120	SDR	HDR*	HDR*	SDR	HDR*	HDR*	SDR	HDR*	-

\* HDR: Support for HDR10, HDR10+ and HLG. For more information, visit [epson.com/hdrcompatibility](http://epson.com/hdrcompatibility)

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](http://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](http://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.



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