

Pro L12002QNL Native 4K 3LCD Laser Projector Without Lens



Product shown with lens.
Lens sold separately.

Projectors

Large Venue

Revolutionary native 4K 3LCD 12,000-lumen laser projector.

Bright, vivid color — 12,000 lumens color/white brightness¹; advanced 3-chip, 3LCD technology

Native 4K resolution (3840 x 2160) — from a 6-micrometer pixel-pitch panel designed by Epson

Solid-state laser light source — with electrostatic air filter for up to 20,000 hours of virtually maintenance-free operation²

Wide range of optional lenses (sold separately) — including a zero-offset ultra short-throw lens

Powerful — remarkable brightness from a compact, 4K resolution, large-venue projector

Advanced connectivity — two configurable interface slots to accommodate a wide range of inputs

Designed for demanding environments — features a sealed light source and optical engine for outstanding durability for live events and fixed installations

Dynamic projection capabilities — with advanced tools like tiling assist, Edge Blending and auto-color adjustment for fast installation; free software for multi-projector setup

Bold, vibrant images — supports High Dynamic Range (HDR) via HDR10 (PQ) and Hybrid Log Gamma (HLG); BT.709 color space

Mechanical shutter — protects against damage from external laser lights



Specifications

Projection System High-aperture Epson[®] 3LCD, 3-chip technology
Projection Method Front/rear/ceiling mount
Driving Method Poly-silicon TFT Active Matrix
Native Resolution (3840 x 2160) 4K UHD
Resolution On Screen 4K UHD
Pixel Number in Device 8,294,400 pixels (3840 x 2160) x 3 chips
Signal Input
 Maximum Display Resolution: 4096 x 2160 (resizing display)
 Display Resolution: 3840 x 2160 pixels
Aspect Ratio 16:9, 4:3
Pixel Arrangement Cross stripe
Color Brightness¹ Color Light Output: 12,000 lumens
White Brightness¹ White Light Output: 12,000 lumens
Contrast Ratio 2,500,000:1
Brightness Uniformity (typical) 90%
Color Reproduction Up to 1.07 billion colors
Illumination Technology Laser Diode
Light Source Life² (Normal) 20,000 hours (Normal)/30,000 hours (Extended)

Projection Lens (Standard, Not Included)

See website for information on optional lenses.
ELPLM15 Lens
Type Powered shift/focus/zoom
F-number 1.8 – 2.35
Focal Length 36.0 mm – 57.4 mm
Zoom Ratio Optical zoom 1 – 1.6x
Throw Ratio Range 1.57 – 2.47
Lens Shift Vertical: ±58 percent; horizontal: ±16 percent

Other Features

Operating Temperature 32 ° to 122 ° F (0 ° to 50 ° C)
Power Supply Voltage 100 - 120 V AC, 200 - 240 V AC +/- 10 %
 50/60 Hz
 Requires 200-240 V for full spec. operation
Power Consumption
 1741 W (Normal/Custom Mode)
 1030 W (Extended/Eco Mode)
 2.0 W Standby (Communication on)
 0.5 W Standby (Communication off)
Fan Noise 45 dB (Normal Mode); max. 38 dB (Quiet Mode)
Security Security cable hole, Kensington lock provision

Interfaces

HDBaseT x 1
 VGA x 1
Interface (Slot 1)
 ELPIF01 (included from factory)
 DVI-D x 1
 HDMI x 1 (HDCP2.2)
 DC Out (500 mA)
Interface (Slot 2)
 ELPIF01 (included from factory)
 SD/HD/3G/12G-SDI x 4
 SDI - Active Through x 4
Interface Card (optional)
 ELPIF03
 Display port x 2 (DP 20p)

Video I/O

Input Signal
 Input Video Signal (HDMI[®], DVI-D, HDBaseT and DisplayPort)
 480i/480p/576i/576p/720p/1080i/1080p/3840 x 2160/4096 x 2160

Dimensions (W x D x H)

Dimensions (including feet, lens) 24.4" x 14.1" x 31.1"
 (620 x 358.5 x 790 mm)
Weight 113.3 lb (without standard lens, not included)

Remote Control

Features Power, Search Selection, Lens Shift, Zoom, Focus, Test Pattern Selection, Shutter, Freeze, User ID, Auto, Aspect, Color Mode, Menu, Slot 1, Slot 2 and more
Right/Left Front: ± 50 degrees; Rear: ± 40 degrees
Upper/Lower Front: ± 50 degrees; Rear: +30 degrees
Operating Distance 49 ft

Eco Features

RoHS compliant
 Recyclable³
 Epson America, Inc. is a SmartWay[®] Transport Partner⁴

Support

The Epson ConnectionSM
 Pre-sales support U.S. and Canada 800-442-1977
 Internet website www.epson.com

Other

USB connector Type B x 1: for firmware update, Copy OSD Settings
 USB connector Type A x 1: for firmware update, Copy OSD Settings, DC Out 900 mA
 Monitor out: Mini D-sub 15-pin x 1
 Serial: RS-232c x 1
 Remote: Stereo mini
 Wire LAN x 1 etherCON

Warranty

The projector has a limited warranty of three years or 20,000 hours, whichever comes first.

What's in the Box

Pro L12002QNL projector, power cables (3 m 100 V and 3 m 200 V), projector remote control with batteries, quick reference sheet

Ordering Information

Pro L12002QNL	V11H832920
Replacement Air Filter (ELPAF58)	V13H134A58
HDMI/DVI-D Interface Board (ELPIF01)	V12H917F01
SDI Interface Board (ELPIF02)	V12H918F01
DisplayPort Interface Board (ELPIF03)	V12H916F01
Ultra Short-throw Lens (ELPLX02)	V12H004X02
Ultra Short-throw Lens – White (ELPLX02W)	V12H004Y02
Short-throw #1 Zoom Lens (ELPLU03S)	V12H004UA3
Short-throw #2 Zoom Lens (ELPLU04)	V12H004UA4
Wide-throw #2 Zoom Lens (ELPLW06)	V12H004W06
Wide-throw #3 Zoom Lens (ELPLW08)	V12H004W08
Middle-throw #2 Zoom Lens (ELPLM15)	V12H004M0F
Middle-throw #3 Zoom Lens (ELPLM10)	V12H004M0A
Middle-throw #4 Zoom Lens (ELPLM11)	V12H004M0B
Long-throw Zoom Lens (ELPLL08)	V12H004L08
Epson Ceiling Mount – Low Ceilings (ELPMB47)	V12H802010
Epson Ceiling Mount – High Ceilings (ELPMB48)	V12H803010

1 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. Some lenses will not support the maximum brightness level of this projector. | 2 No required maintenance for the light source and filter 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. The projector has a limited warranty of 3 years or 20,000 hours, whichever comes first. | 3 For convenient and reasonable recycling options, visit www.epson.com/recycle | 4 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

See the latest innovations from Epson Business Solutions at www.epson.com/forbusiness

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