NATIVE 4K (12,000 LUMENS) AND WUXGA (20,000 LUMENS) PROJECTORS
All projected images in this brochure are simulated.
REALM OF THE REPTILES

IMMERSIVE

Breakthrough Native 4K Resolution
DESIGNED FOR LIVE EVENTS

For that big reveal, first impressions matter. Whatever the venue size, lighting environment or equipment, there’s a lot to keep in mind to make certain all goes off perfectly. With Epson® Pro L Series projectors, you’ve got one less thing to worry about.

- Laser light source — long life; custom brightness modes
- DMX Art-Net easily integrates with lighting protocols
- Flexible installation — 360-degree projection
- Two removable interface slots
- Mechanical shutter
- Sealed light source and optical engine
- Multi-projector tiling assist
- Built-in camera
- Auto color calibration
Epson is the first projector manufacturer to combine inorganic 3LCD panels with an inorganic phosphor wheel to achieve high brightness and reliability. Featuring a lamp-free laser light source, Pro L Series projectors offer numerous advantages:

- Solid-state laser light source and electrostatic air filter — for up to 20,000 hours of virtually maintenance-free operation
- No waiting for the projectors to warm up or cool down — the projectors reach maximum brightness and turn off almost immediately
- A dynamic contrast ratio up to 2,500,000:1 and a wide color gamut for brilliant, color-rich performance
- Balanced, high-quality images and performance you can count on for an array of applications
POWERFUL AND COMPACT

BRIGHT OUTPUT, SPACE-SAVING DESIGN

Designed to leverage the expertise and high-performance technologies Epson is known for, these cutting-edge projectors deliver advancements such as a native 4K panel, an innovative cooling system and an ultra short-throw lens with zero offset.

The Pro L20000U and L12000Q are easy to install, whether it is for a fixed installation or a live event. Choose from a 20,000-lumen WUXGA projector or 12,000-lumen native 4K model. Either way, you’re sure to achieve stunning results.

* Pro L20000U

109 lb*

28.3”

24.4”

11.0”
A newly developed liquid cooling system maintains the optimal temperatures of key optical elements. The inorganic LCD panels, inorganic phosphor wheel and laser light source are designed to keep cool no matter how the projector is installed. This efficient cooling system contributes to the projector’s compact design.
The Pro L12000Q features a 1.04" native 4K panel, designed and manufactured by Epson, to deliver ultra high-definition output and astounding image quality. With its 6 µm pixel pitch, the panel meets the highest standards of quality and performance.
**EXTRAORDINARY IMAGE QUALITY**

**Frame Interpolation**
By analyzing each frame individually, then generating intermediate frames at a rate of 100 Hz/120 Hz, the Pro L20000U delivers ultra smooth video, even when projecting sporting events and other fast-moving content.

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**High Dynamic Range**
The Pro L20000U and Pro L12000Q projectors support HDR10 and Hybrid Log-Gamma content for dynamic output and a broad tonal range.

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**Image Enhancement**
Epson’s high-quality image signal processing allows these powerful projectors to consistently deliver crisp, detailed edges.

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All images on this page are simulated.
DURABLE, DUST-PROOF STRUCTURE

The Pro L20000U and L12000Q have three layers of protection. The light source and optical elements are both sealed, while the advanced liquid cooling system allows for managed airflow, reducing incoming air to the optical engine by up to 86 percent compared to previous models. Finally, the replaceable electrostatic air filters cut dust intake to minuscule levels.
Sealed Optical Engine
Key optical components, including the inorganic 3LCD panels, inorganic phosphor wheel and laser engine, are sealed to prevent contamination by dust or smoke.

Reduced Airflow
The cooling system takes in air independently for the radiator and power supply. This reduces air flow to the optical engine.

Long-life, Replaceable Electrostatic Air Filters
Electrostatic air filters vastly reduce the risk of incoming dust impairing the optical components.
**REMARKABLE RELIABILITY**

20,000 Hours of Virtually Maintenance-free Operation\(^1\)

A uniquely designed laser light source and advanced electrostatic filter deliver 20,000 hours of virtually maintenance-free operation\(^1\). Inorganic LCD panels, an inorganic phosphor wheel and a dust-proof design all help ensure remarkable reliability, so it’s easy to depend on these projectors during live events and critical presentations. Backed by a limited warranty of 3 years or 20,000 hours\(^5\), the Pro L20000U and Pro L12000Q offer performance you can count on.

**Durable Design**

With a pipe frame and baseplate incorporated into the structure, the projector casing offers remarkable durability. By redesigning the internal structure, a compact and lightweight projector has been achieved for easy installation.
Up to 10 Lenses to Choose From
A large selection of lenses increases installation options. Choose from a variety of ranges, including ultra short-throw, short-throw, middle-throw and long-throw lenses. A tool-free, quick-release lever enables fast, easy lens exchange. For details, visit www.Epson.com/projectorlenses

Zero-offset Ultra Short-throw Lens
Project supersized images using the ELPLX02 ultra short-throw lens. Install the projector a short distance from the screen or wall and still get huge, bright, crisp projection. Featuring a 0.35 throw ratio and zero offset, this lens is ideal for installation in narrow or tight spaces. And, wide lens shift gives you even more flexibility when you need it.

Ideal for space-constrained environments — projects large-sized images from a short distance away

Easy installation in narrow spaces and rear-projection applications — 0.35 throw ratio

Positioning flexibility — extensive lens shift range and zero offset

Large-screen projection — up to 1,000 inches

Wide Lens Shift Range
Designed with careful consideration of how the lens and optical engine work together, the Pro L20000U and L12000Q offer a remarkably wide lens shift range. They also feature a stepping motor for the lens shift mechanism that allows for extremely precise adjustments.

Powered Lens Position Memory
Up to 10 settings can be stored in the projector memory, including shift positions, focus adjustments and projection sizes.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>THROW RATIO RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELPLL08</td>
<td>0.34 - 0.35</td>
</tr>
<tr>
<td>ELPM11</td>
<td>0.35 - 0.37</td>
</tr>
<tr>
<td>ELPM10</td>
<td>0.37 - 0.40</td>
</tr>
<tr>
<td>ELPM15</td>
<td>0.40 - 0.44</td>
</tr>
<tr>
<td>ELPW06</td>
<td>0.45 - 0.50</td>
</tr>
<tr>
<td>ELPW08</td>
<td>0.51 - 0.57</td>
</tr>
<tr>
<td>ELPW05</td>
<td>0.59 - 0.64</td>
</tr>
<tr>
<td>ELPU04</td>
<td>0.62 - 0.75</td>
</tr>
<tr>
<td>ELPU03S</td>
<td>0.66 - 0.75</td>
</tr>
<tr>
<td>ELPLX02</td>
<td>0.74 - 1.07</td>
</tr>
<tr>
<td>ELPLW06</td>
<td>1.15 - 1.62</td>
</tr>
<tr>
<td>ELPLW08</td>
<td>1.62 - 2.47</td>
</tr>
</tbody>
</table>

Note: 0.35 only for Pro L12000Q
Interface slots support a variety of hardware, so you can customize the projector according to your needs. Additionally, they allow for new interfaces and interface updates in the future.

### TERMINAL PORT

<table>
<thead>
<tr>
<th>TERMINAL</th>
<th>PORT</th>
<th>Pro L12000Q and Pro L20000U</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVI-D</td>
<td>IN:1</td>
<td>Up to 1920 x 1200 / 1600 x 1200 60p</td>
</tr>
<tr>
<td>HDMI*</td>
<td>IN:1</td>
<td>Up to 4096 x 2160 / 3840 x 2160 60p</td>
</tr>
<tr>
<td>DC Out</td>
<td>OUT:1</td>
<td>5 V 500 mA for extension cable which needs external power</td>
</tr>
</tbody>
</table>

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<tr>
<th>TERMINAL</th>
<th>PORT</th>
<th>Pro L12000Q</th>
<th>Pro L20000U</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDI</td>
<td>IN:4</td>
<td>SD/HD/3G/12G*</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>OUT:4</td>
<td>Up to 4096 x 2160 / 3840 x 2160 60p</td>
<td></td>
</tr>
</tbody>
</table>

* SDI Terminal only. SD board for Slot 1 and Slot 2 cannot be used at the same time.

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<table>
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<th>TERMINAL</th>
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<th>Pro L12000Q and Pro L20000U</th>
</tr>
</thead>
<tbody>
<tr>
<td>DisplayPort</td>
<td>IN:2</td>
<td>Up to 4096 x 2160 60p / Up to 3840 x 2160 120p</td>
</tr>
</tbody>
</table>
Epson Projector Professional Tool Software enables you to easily manage the setup of multiple Epson networked projectors in a single, large space. This intuitive software makes adjustments simple as well. Easily access advanced tools like tiling assist, geometric correction and edge blending. Epson Projector Professional Tool Software supports wired and wireless networks and can be downloaded at no charge from Epson.
**FASTER INSTALLATION**

**Tiling Assist**
The built-in camera automatically compensates for overlapping areas and corner positions to deliver seamless multi-projector displays, making big-screen projections a snap.

**Auto Color Adjustments**
The built-in camera detects subtle color inconsistencies between multiple projectors. It detects screens that have become unevenly colored over time, allowing the projector to automatically correct color. This function can be set to check color manually or automatically at regular intervals to deliver stable image quality with minimal maintenance.

**Geometry Correction and Edge Blending**
Built-in edge blending tools to create multi-screen panoramic images. A variety of geometry correction tools — like corner and curved projections are also built-in.

**Screw Holes for Eyebolts and Clamps**
Screw holes are provided on both the top and bottom. Strong threads make it safe and easy to transport the projector via a crane or to hang it on a truss.

**DMX Art-Net**
The Pro L20000U and Pro L12000Q projectors support DMX Art-Net to easily synchronize lighting effects (such as pre-programmed sequences) with audio.

**Mechanical Shutter**
The mechanical shutter protects the unit against damage from laser lights, which are sometimes part of lightshows.

**100 V Startup for Setup**
The projectors support 100 V power operation for fast, easy installation and setup. The brightness is typically around 70 percent of maximum brightness at 100 V operation.
The Pro L20000U and L12000Q projectors offer customizable brightness modes for different applications. These modes allow users to preset brightness and noise levels, as well as maintenance cycles.

- **Normal Mode** — Designed for maximum brightness needs — ideal for conference rooms, auditoriums and live events.
- **Extended Mode** — Extends the maintenance cycle by decreasing the brightness by 30 percent — ideal for darker environments with ambient light, such as museums and art galleries, where a reduced maintenance cycle is desired.
- **Constant Mode** — Maintains the light output of the projector at a constant and consistent brightness — ideal for applications such as command centers.
- **Quiet Mode** — Reduces the noise level to as low as 38 dB by decreasing the brightness by 30 percent — ideal for libraries, theaters, museums and art galleries.
- **Custom Mode** — Allows the user to set the brightness of the projector at a variable level from 100 percent to as low as 30 percent to extend the life of the projector.
- **Brightness Lock** — Allows administrators to prevent changes to the brightness settings.
Epson Projector Management Software

If you are searching for a solution that gives you control over your time, Epson network projectors with Epson Projector Management capabilities can help. Epson network projectors contain built-in remote access, with no licensing fee added to the software. These features also give you added control, and the ability to troubleshoot and monitor all Epson network projectors from any computer over a wired or wireless Ethernet network.

Additional features to assist administrators/help desk:

- Remote access and control through the network
- Remote monitoring of up to 2,048 Epson networked projectors
- View status, including input sources, power on/off, lamp life hours and more
- Preventative maintenance features including temperature levels and error alerts
- Schedule filter and lamp timer settings
- Email notification (SMTP) to send alerts to your handheld device
- Enterprise SNMP plug-in available
- Remotely update firmware on networked projectors
Network Projection — Content Over IP
Use Epson Projector Management to display your computer screen through the projector, via a network, for effective meetings, presentations and digital signage applications. You can use either wired or high-security wireless LAN connections and project the same or up to four different images on up to four projectors, or display a panoramic image.

Full Networkability
Epson network projectors can also be accessed from your browser via an internal webpage. Whether you assign a static IP address or enable DHCP, the projector becomes accessible once it’s integrated in your network. The internal webpage lets you control items such as network configuration, projector settings and email alerts.

Message Broadcasting
This innovative feature enables you to broadcast customized images/alerts over the network for announcements or instructions. Messages can be sent to up to 1,024 projectors simultaneously and will overwrite the current screen content if the projector is being used, unless this function is disabled by the presenter. If the projector is off, Message Broadcasting will turn the projector on and then display the message.
Multiple Interfaces
There are multiple interface options with the Pro L20000U and Pro L12000Q. The LAN terminal is a robust, lockable etherCON connector for reliable performance, even after repeated use. The Pro L12000Q supports using one cable, via 12G SDI, to receive 4K content, while the optional ELPF03 interface board has a DisplayPort connector that supports 4K – 120 Hz signals.

Web Control with Multi-device Support
Use a web browser or smart device to adjust projector settings. The newly developed OSD Control Pad function makes it easy to control the OSD menu. It even displays a representation of the lens condition on your smart device.

Status Monitor
Quickly check the signal, voltage and network information via the monitor.

Settings on Standby
Configure IP settings and reset default values without powering up the projector.

Power Supply Log
Monitor and log times with drops in voltage. The ability to log up to 30 voltage drops can help determine the cause of unexpected shutdowns.
### PRODUCT SPECIFICATIONS

**Basics**
- **Color Brightness***: 12,000 lumens
- **White Brightness***: 12,000 lumens
- **Native Resolution**: 4K UHD (3840 x 2160)
- **Resolution on Screen**: 4K UHD / 2.3 million pixels
- **Pixel Number in Device**: 8,294,400 pixels (3840 x 2160) x 3 chips
- **Contrast Ratio**: 2,500,000:1
- **Light Source**: Laser Diode
- **Split Screen**: Yes
- **Edge Blending Tools**: Yes
- **Tiling Assist**: Yes
- **Weight (without standard lens, not included)**: 113.3 lb
- **Power Consumption**: 1,741 W
- **Dimensions (including feet and lens)**: 24.4” x 14.1” x 31.1”
- **Wired RJ-45**: 
- **Wireless**: Built in
- **Compatible Control Systems**: Crestron®, AMX, Extron, DMX Art-Net
- **Interface Slots**: 2
- **Connections**:
  - DVI-D: DVI-D x 1
  - HDMI (HDCP 2.2): HDMI x 1
  - HDBaseT™: Yes
  - Analog Connections: VGA x 1, 5-BNC, VGA x 1
  - SDI: 12G-SDI, 3G-SDI
  - DVI-D: DP x 2 (optional interface board)
  - Display Port: Type B x 1 / Type A x 1
  - USB 2.0 Connectors: Mini D-sub 15-pin x 1
  - Monitor Out: Mini D-sub 15-pin x 1
  - Serial Control: Serial, RS-232c x 1
  - Recommended Accessories: Replacement Air Filter (ELPAF58) V13H134A58
  - HDMI/DVI-D Interface Board (ELPIF01) V12H917F01
  - SDI Interface Board (ELPIF02) V12H918F01
  - Display Port Interface Board (ELPIF03) V12H916F01
  - HDMI Mount (ELPMB47) V12H902010
  - Epson Ceiling Mount - Low Ceilings (ELPMB47) V12H902010
  - Epson Ceiling Mount - High Ceilings (ELPMB48) V12H903010

**DIMENSIONS**

**ACCESSORIES**

For additional mounting solutions, visit [epson.com/largevenue](http://epson.com/largevenue).

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* 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.
Epson is a leading provider of innovative technology solutions that help businesses succeed. We partner with you to best meet your specific needs, focusing on:

- Improved productivity
- World-class customer service and support
- Cost-effective, high-quality solutions
- A commitment to the environment

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