

# PowerLite<sup>®</sup> Pro G6870NL XGA 3LCD Projector Without Lens



Product shown with lens. Lens sold separately.

## The ultra bright large-venue projector with HDBaseT.™

**3x Brighter Colors<sup>1</sup>, and reliable performance** — 3LCD, 3-chip technology

**One measurement of brightness is not enough** — look for both high color brightness and high white brightness. The PowerLite Pro G6870NL has:

Color Brightness: 7000 lumens<sup>2</sup>

White Brightness: 7000 lumens<sup>2</sup>

**Brilliant images** — XGA (1024 x 768) resolution for presentations, videos, digital signage and more

**Versatile connectivity** — easily integrate with any system; supports the latest connectivity options, including HDBaseT, HDMI<sup>®</sup> and DisplayPort™

**Seamless control protocol support** — compatible with Crestron<sup>®</sup>, AMX<sup>®</sup>, Extron<sup>®</sup> XTP<sup>®</sup> and Control4<sup>®</sup> Simple Device Discovery Protocol (SDDP)

**Six optional lenses with lens shift** — including rear-, middle- and long-throw lenses for complete flexibility and easy exchange

**Easy installation features** — built-in Edge Blending, 360-degree installation flexibility and simple cloning functions

**Advanced collaboration features** — simultaneously project side-by-side from different sources with Split Screen<sup>3</sup>

**Convenient remote management** — remotely monitor and control the projector; includes scheduling function

**Industry-leading service and support** — long-life air filter and easy maintenance tools, plus peace-of-mind ownership with next-business-day replacement<sup>4</sup>



**Specifications**

**Projection System** High-aperture Epson® 3LCD, 3-chip technology  
**Projection Method** Front/rear/ceiling mount  
**Driving Method** Poly-silicon TFT Active Matrix  
**Pixel Number** 786,432 dots (1024 x 768) x 3  
**Native Resolution** 1024 x 768 (XGA)  
**Resize** 640 x 480, 800 x 600, 1280 x 1024, 1400 x 1050  
**Aspect Ratio** Supports 4:3, 16:9, 16:10  
**Pixel Arrangement** Cross stripe  
**Color Brightness<sup>2</sup>** Color Light Output: 7000 lumens  
**White Brightness<sup>2</sup>** White Light Output: 7000 lumens  
**Contrast Ratio** (High Brightness, Dynamic Mode) 5000:1  
**Brightness Uniformity** (typical) 90%  
**Color Reproduction** Up to 1 billion colors  
**Size (projected distance)** 50" – 300"  
**Lens Shift** Vertical: ±67 percent Horizontal: ±30 percent  
**Keystone Correction** Vertical: ±30 degrees Horizontal: ±30 degrees  
**Lamp Type** 380 W UHE  
**Lamp Life<sup>5</sup> (ECO Mode/Normal)** Up to 4000/2000 hours

**Projection Lens (Standard)**

See website for information on optional lenses.

**Type** Manual focus/zoom  
**F-number** 1.65 – 2.55  
**Focal Length** 21.28 mm – 37.94 mm  
**Zoom Ratio** Optical zoom 1 – 1.8  
**Throw Ratio Range** 1.26 – 2.76

**Other Features**

**Operating Temperature** 32° to 113° F (0° to 45° C)  
**Power Supply Voltage** 100 – 240 V ±10%, 50/60 Hz AC  
**Power Consumption**  
 526 W (Normal Mode)  
 421 W (ECO Mode)  
 3.3 W Standby (Communication on)  
 0.41 W Standby (Communication off)  
**Fan Noise** 39 dB (Normal Mode)  
 max. 31 dB (ECO Mode)  
**Security** Security cable hole, lens lock, Kensington® lock provision

**Effective Scanning Frequency Range**

**Pixel Clock** 13.5 MHz – 162 MHz (up to UXGA 60 Hz)  
**Horizontal** 15 kHz – 92 kHz  
**Vertical** 50 Hz – 85 Hz

**Video I/O**

**Display Performance** NTSC: 480 line, PAL: 576 line (depends on observation of the multi-burst pattern)  
**Input Signal** NTSC/NTSC4.43/PAL/M-PAL/N-PAL/PAL60/SECAM/480i/576i/480p/576p/720p/1080i/1080p  
**Pixelworks®** Video Chip 3D Y/C separation, noise reduction motion compensated Interlace-Progressive conversion (2 – 2, 3 – 2 film detection)

**Interfaces**

HDBaseT x 1  
 HDMI x 1  
 DisplayPort x 1  
 Computer: D-sub 15 pin x 1  
 Composite Video: RCA x 1  
 Component Video: BNC x 1  
 S-video x 1  
 Audio-in: Mini stereo x 3  
 Audio-in: RCA (L&R) x 1  
 Audio Out x 1  
 Network: RJ-45 x 1, 100 Mbps Serial: RS-232c  
 Hardwire remote jack x 1  
 Monitor Out: D-sub 15 pin x 1



**Dimensions (W x D x H)**

**Excluding Feet, Lens** 19.88" x 15.04" x 5.67"  
 Weight 19.6 lb  
**Including Feet, Lens** 19.88" x 15.94" x 6.73"  
 Weight 21.5 lb

**Remote Control**

**Features** Power, source search selection, computer, video, A/V Mute, freeze, user ID, auto, aspect, color mode, number, page up and down, E-zoom, volume, help, menu, enter, esc and pointer functions  
**Operating Angle**  
 Right/left: Front: ± 60 degrees Rear: ± 30 degrees Upper/lower: Front: ± 20 degrees Rear: +10 to +50 degrees  
**Operating Distance** 49 ft

**Eco Features**

RoHS compliant  
 Recyclable product<sup>6</sup>  
 Epson America, Inc. is a SmartWay<sup>SM</sup> Transport Partner<sup>7</sup>

**Support**

**The Epson Connection<sup>SM</sup>**  
 Pre-sales support U.S. and Canada 800-463-7766  
 Internet website [www.epson.com](http://www.epson.com)

**Service Programs**

Three-year limited warranty, Epson Road Service program, PrivateLine® dedicated toll-free support (U.S. and Canada only) and 90-day limited lamp warranty

**What's in the Box**

PowerLite Pro G6870NL projector, power cable, computer cable (VGA), projector remote control with batteries, user manual CD, EasyMP® software CD, Quick Setup Sheet and lens lock screw

**Ordering Information**

PowerLite Pro G6870NL	V11H698920
Genuine Epson lamp (ELPLP76)	V13H010L76
Replacement air filter (ELPAF43)	V13H134A43
Standard throw zoom	V12H004S06
Long-throw zoom	V12H004L06
Middle-throw 1 zoom	V12H004M04
Middle-throw 2 zoom	V12H004M05
Short-throw zoom	V12H004U01
Rear projector wide fixed	V12H004R03
Quick Wireless Connect key (ELPAP09)	V12H005M09
Replacement remote control	158279900
Advanced projector ceiling mount with precision gear	ELPMBPRG
Adjustable suspended ceiling channel kit	ELPMBP01
False ceiling plate kit	ELPMBP02
Structural round ceiling plate	ELPMBP03
Adjustable extension column (pipe) 8" – 11"	ELPMBBC01
Kensington security lock	ELPSL01
50" portable screen (4:3 aspect ratio)	ELPSC06
60" portable pop-up screen (4:3 aspect ratio)	ELPSC07
80" portable pop-up screen (4:3 aspect ratio)	ELPSC08
Duet™ portable projector screen (4:3/16:9 combination)	ELPSC80
Distribution amplifier	ELPDA01
HDBaseT Transmitter (ELPHD01)	V12H547020
Wireless LAN module (ELPAP07)	V12H418P12

<sup>1</sup> Compared to leading 1-chip DLP business and education projectors based on NPD data, July 2011 through June 2012. Color brightness (color light output) measured in accordance with IDMS 15.4. Color brightness will vary depending on usage conditions. | <sup>2</sup> 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. | <sup>3</sup> Consult your user manual for input combinations. | <sup>4</sup> Expedited shipping not available in all areas. Road Service orders must be in by 3 p.m. Eastern Time for Next-Business-Day delivery. | <sup>5</sup> Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time. | <sup>6</sup> For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | <sup>7</sup> 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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