Projector Specifications

General

Type of display	Poly-silicon liquid crystal panel, Thin FilmTransistor (TFT)
Brightness	750 ANSI lumens
Contrast ratio	300:1
Size of liquid crystal panels	1.32 inches (33.6 mm)
Resolution	800 (horizontal) × 600 (vertical) pixels
Image size	23 to 300 inches (0.6 to 7 meters)
Color reproduction	24 bit; 16.7 million colors
Projection distance	3.28 to 32.8 feet (1 to 10 meters)
Projection lens	Focus and manual zoom controls
Projection method	Front, rear, and upside-down projection
Tilt angle	Adjustable (0° to 15°)
Remote control range	33 feet (10 meters)
Internal speaker system	2 × 2 W 3D stereo
Optical aspect ratio	4 × 3 (horizontal × vertical)
Zoom ratio	1:1.3
Video interface standards	NTSC, PAL, SECAM

Projector lamp

Type	Ultra High Efficiency (UHE)
Power	150 W
Part number	ELPLP04

Mechanical

Height	6.3 inches (159 mm)
Width	9.7 inches (245 mm)
Depth	15.0 inches (380 mm) with lens
Weight	14.5 lb (6.5 kg)

Electrical

Voltage	100 to 120 VAC and 200 to 240 VAC
Rated frequency	50/60 Hz
Power supply	100 to 120 VAC, 2.7 A, 50/60 Hz 200 to 240 VAC, 1.6 A, 50/60 Hz
Power consumption	240 W (operating) 28 W (standby)

Environmental

Temperature	Operation: 41 to 104° F (5 to 40° C), non-condensing
	Storage: 14 to 140° F (–10 to 60° C), non-condensing
Humidity	Operation: 20 to 80% RH, non-condensing
	Storage: 10 to 90% RH, non-condensing

Supported monitor resolutions

The projector displays images at a resolution of 800×600 pixels. To display a higher resolution image, the projector compresses it to 800×600. The following table lists the display formats supported by the projector:

Computer type	Formats	Resolutions
IBM PC and IBM PC compatible	VGA, VESA, EGA CGA	640×480 640×200 640×400 800×600 1024×768*
Apple Macintosh	Standard 8- and 24-bit color monitor	640×480 832×624 1024×768*
NEC	PC	640×480 800×600

Note: The frequencies of some computers may not allow the image to be displayed correctly.

Note: This projector is compatible with DDC-capable graphic sub-systems and boards only.

* *The projector uses a patent-pending technology to resize the image to 800×600.*

Supported sync rates

Horizontal sync   15 to 60 KHz

Vertical sync   56 to 85 Hz

Supported sync types

Separate Sync, Composite Sync, Sync-on-Green

Projector Placement Guidelines

The distance between the projector and the screen determines the actual image size. Use the general guidelines in the table below to determine the proper distance.

Horizontal distance from the projector screen

Image size (diagonal)	Minimum	Maximum
300 inches	393.7inches (10 m)	
200 inches	263.8 inches (6.7 m)	342.5 inches (8.7 m)
100 inches	129.9 inches (3.3 m)	169.3 inches (4.3 m)
80 inches	106.3 inches (2.7 m)	137.8 inches (3.5 m)
60 inches	78.7 inches (2 m)	102.4 inches (2.6 m)
40 inches	51.2 inches (1.3 m)	66.9 inches (1.7 m)
30 inches	39.4 inches (1 m)	51.2 inches (1.3 m)
23 inches	39.4 inches (1 m)	

Projector Status Indicators

The power and lamp indicators at the top of the projector let you know the projector's operating status, as described below.

Status indicator	Function
Power indicator	⏻
Steady orange:	Sleep mode. (The projector is plugged in, but not projecting.)
Steady green:	Power and lamp are on.
Flashing orange:	The projector is hot.
Steady red	The projector is too hot and has turned off.
Flashing red	Internal projector problem.
Projection lamp indicator	
Steady green	Projection lamp is on.
Flashing green	The projector is warming up.
Orange and red flashing alternately	Projection lamp needs replacing.
Flashing orange	Projector lamp is cooling down.
Steady red	Projector lamp has burned out. Replace it to project images.
Flashing red	Problem with projection lamp or lamp power supply.

Note: If you press the Power button to turn the projector back on while the power indicator is flashing orange, there may be a delay before the projected image appears.

Monitor and Computer In 1/2 Connector Pin Assignments

The Monitor and Computer In 1/2 connectors are female video RGB, 15-pin micro-D-style connectors. The pin assignments are:

Input pin	Monitor connector signals	Computer In 1/2 connector signals
1	Red out / red video	Red video
2	Green out / green video	Green video
3	Blue out / blue video	Blue video
4	Reserved	Monitor (ID bit 2)
5	GND	GND
6	GND	Red video GND
7	GND	Green video GND
8	GND	Blue video GND
9	Reserved	+5 V
10	GND	Synchronous GND
11	Reserved	Monitor (ID bit 0)
12	Reserved	SDA
13	Horizontal sync	Horizontal sync
14	Vertical sync	Vertical sync
15	Vertical sync	SCL

Information Reference List

Engineering Change Notices

None.

Technical Information Bulletins

None.

Product Support Bulletins

None.

Related Documentation

CPD 5869	EPSON PowerLite 7000XB/5000XB Multimedia Projector User's Guide
CPD 5870	EPSON PowerLite 7000XB/5000XB Easy Setup
SM-ELP5100	EPSON PowerLite 5000XB Multimedia Projector Service Manual
PL-ELP5100	EPSON PowerLite 5000XB Multimedia Projector Parts Price List