

Projector Specifications

General

| | |
|-------------------------------|--|
| Type of display | Liquid crystal panel, Thin Film Transistor (TFT) |
| Size of liquid crystal panels | 1.32 inches (33.6 mm) |
| Resolution | 800 (horizontal) × 600 (vertical) pixels |
| Image size | 21 to 300 inches (0.6 to 7 meters) |
| Projection distance | 3.3 to 33 feet (1 to 10 meters) |
| Projection method | Front, rear, and upside-down projection |
| Remote control range | 33 feet (10 meters) |
| Internal speaker system | 2 × 2 W stereo |
| Optical aspect ratio | 4 × 3 (horizontal × vertical) |
| Zoom ratio | 1:1.3 |

Projector lamp

| | |
|-------------|------------------|
| Type | Metal Halide, DC |
| Power | 150 W |
| Part number | ELPLP03 |

Mechanical

| | |
|--------|---------------------|
| Height | 6.3 inches (159 mm) |
| Width | 9.7 inches (245 mm) |

| | |
|---------------------|---|
| Depth | 15.0 inches (380 mm) with lens |
| Weight | 14.1 lb (6.4 kg) |
| Electrical | |
| Voltage | 100 to 120 VAC and 200 to 240 VAC |
| Rated frequency | 50/60 Hz |
| Power & Consumption | ENERGY STAR Compliance 100 to 120 VAC, 2.7 A, 50/60 Hz 200 to 240 VAC, 1.6 A, 50/60 Hz |

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 displays

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.*



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.

| Image size (diagonal) | Horizontal distance from the projector screen | |
|-----------------------|---|----------------------|
| | Minimum | Maximum |
| 300 inches | 393.7 inches (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) |
| 21 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. |
| 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 4401 | EPSON PowerLite-5000 Multimedia Projector User's Guide |
| SM-ELP5000 | EPSON PowerLite-5000 Multimedia Projector Service Manual |
| PL-ELP5000 | EPSON PowerLite-5000 Multimedia Projector Parts Price List |