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## Epson E20

# Epson PowerLite E20 3LCD Classroom Projector User Manual

Model: E20 | Brand: Epson

## INTRODUCTION

This user manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Epson PowerLite E20 3LCD Classroom Projector. Designed for educational environments, this projector delivers vibrant, true-to-life images with its advanced 3LCD technology, 3400 lumens brightness, and native XGA resolution. Please read this manual thoroughly before using the projector to ensure optimal performance and longevity.



Figure 1: Front view of the Epson PowerLite E20 Projector, showcasing its lens and ventilation grilles.

## PRODUCT FEATURES

- **3LCD Technology:** Delivers Best-in-Class Colour Brightness for vibrant and accurate images.
- **Native XGA Resolution:** Provides clear and detailed visuals with 1024 x 768 pixels and 4:3 aspect ratio.
- **High Brightness:** 3400 lumens for clear projection even in well-lit classrooms.
- **Long Lamp Life:** Up to 12,000 hours in ECO Mode, reducing maintenance and replacement costs.
- **Flexible Connectivity:** Features HDMI and USB ports for versatile input options.

- **Built-in Speaker:** Integrated 5W speaker for audio playback without external speakers.
- **Easy Setup:** Designed for quick and straightforward installation and positioning.

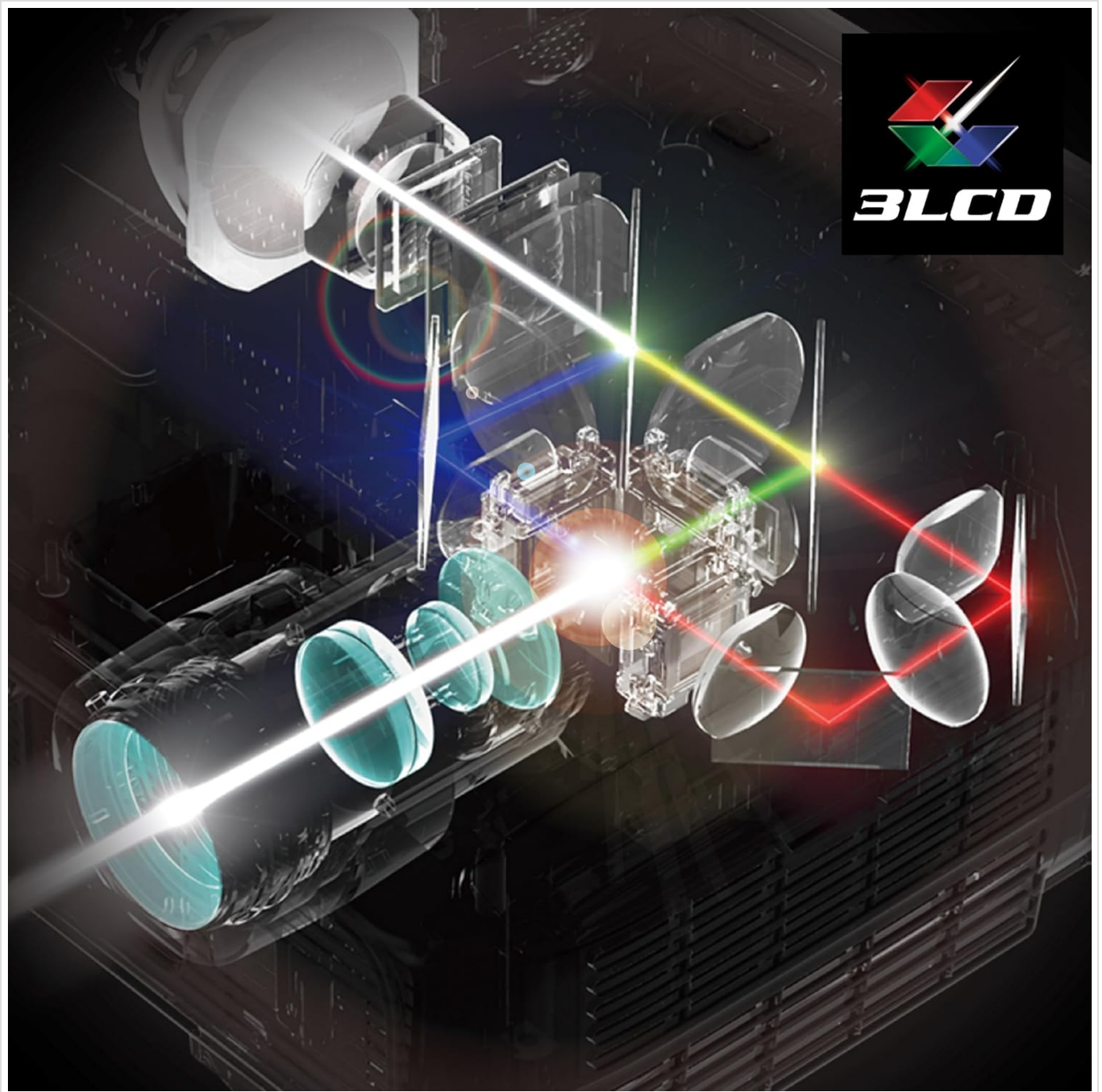


Figure 2: Diagram highlighting key features including 300-inch projection capability, XGA resolution, 3LCD technology, 3400 lumens brightness, 5W built-in speaker, and 2-year limited warranty.



Figure 3: Illustration of Epson's 3LCD technology, showing how red, green, and blue light are processed to create a full-color image.

## SETUP

### 1. Unpacking and Placement

Carefully remove the projector and all accessories from the packaging. Ensure all components listed in the packing list are present. Place the projector on a stable, flat surface (tabletop mount) or securely mount it to the ceiling (ceiling mountable) according to professional installation guidelines. Ensure adequate ventilation around the projector.

### 2. Connecting Power

1. Connect the supplied power cord to the projector's AC inlet.
2. Plug the other end of the power cord into a grounded electrical outlet.

### 3. Connecting Input Sources

The PowerLite E20 offers various connectivity options. Choose the appropriate cable for your device (laptop, DVD player, etc.) and connect it to the corresponding port on the projector.



Figure 4: Rear view of the projector showing various input and output ports, including HDMI, USB-B, Computer 1 (VGA), Computer 2 (VGA), Video (RCA), Audio 1 (RCA), Audio 2 (3.5mm), Monitor Out, Audio Out, and RS-232C.

- **HDMI:** For high-definition digital video and audio. Connect an HDMI cable from your source device to the projector's HDMI port.
- **USB-B:** For connecting to a computer for display or control.
- **VGA (Computer 1/2):** For analog video input from computers.
- **Video (RCA):** For standard definition video input.
- **Audio In (RCA/3.5mm):** For analog audio input.

## 4. Initial Power On

1. Press the power button on the projector or the remote control. The power light will illuminate.
2. The projector will begin its startup sequence. An image should appear on the screen or wall.

## OPERATING

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### 1. Basic Controls

The projector can be operated using the control panel on the unit or the supplied remote control.



Figure 5: Top view of the projector showing the control panel with buttons for power, source search, menu navigation, volume, and keystone correction.

- **Power Button:** Turns the projector on or off.
- **Source Search:** Cycles through available input sources (HDMI, Computer, Video).
- **Menu Button:** Accesses the projector's on-screen menu for settings adjustments.
- **Navigation Buttons:** Used to navigate through menu options and adjust settings.
- **Volume Buttons:** Adjusts the volume of the built-in 5W speaker.

## 2. Adjusting the Image

- **Focus Ring:** Rotate the focus ring around the lens to sharpen the image.
- **Zoom Lever:** Adjust the zoom lever near the lens to change the image size without moving the projector.
- **Keystone Correction:** If the image appears trapezoidal, use the keystone correction sliders or buttons on the projector/remote to square the image.

## 3. Using the Remote Control

The included remote control provides convenient access to all projector functions from a distance. Ensure batteries are correctly installed. Point the remote control towards the projector's remote sensor.

## MAINTENANCE

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### 1. Lamp Life and Replacement

The projector lamp has a long life of up to 12,000 hours in ECO Mode. When the lamp reaches the end of its life, a warning message will appear, and the lamp indicator light may turn orange. Refer to the full user guide for detailed instructions on safe lamp replacement.

### 2. Cleaning the Projector

- **Lens:** Gently wipe the lens with a soft, lint-free cloth specifically designed for optical surfaces. Do not use abrasive cleaners.
- **Air Filter:** Regularly clean or replace the air filter to prevent dust buildup and ensure proper cooling. A clogged filter can lead to overheating and reduced lamp life.
- **Exterior:** Wipe the projector's exterior with a soft, damp cloth. Avoid using strong detergents or solvents.

## TROUBLESHOOTING

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If you encounter issues with your projector, refer to the following common problems and solutions. For more detailed troubleshooting, consult the comprehensive user manual available on the Epson support website.

Problem	Possible Cause	Solution
No image projected	Power not connected, incorrect input source, lamp issue.	Check power cable, select correct input source, check lamp status indicator.
Image is dim or faded	ECO mode enabled, lamp nearing end of life, dirty lens/filter.	Disable ECO mode, replace lamp if necessary, clean lens and air filter.
No sound from speaker	Volume muted, incorrect audio input, external speakers connected.	Increase volume, ensure audio cable is connected to correct input, disconnect external speakers.
Remote control not working	Dead batteries, obstructed signal, incorrect aiming.	Replace batteries, remove obstructions, point remote directly at projector's sensor.

## SPECIFICATIONS

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Detailed technical specifications for the Epson PowerLite E20 Projector:

Feature	Specification
Brand	Epson
Model	E20
Display Technology	3LCD
Image Brightness	3400 Lumens
Native Resolution	1024 x 768 Pixels (XGA)
Aspect Ratio	4:3
Image Contrast Ratio	15000:1
Lamp Life	Up to 12,000 hours (ECO Mode)
Connectivity Technology	HDMI, USB
Hardware Interface	HDMI, USB
Compatible Devices	Laptop
Special Features	Built-In Speaker (5W)
Noise Level	28 dB
Product Dimensions	24.89 x 29.97 x 8.64 cm
Item Weight	2.7 kg
Mounting Type	Tabletop Mount, Ceiling Mountable

## WARRANTY AND SUPPORT

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### Warranty Information

The Epson PowerLite E20 Projector comes with a **2-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

### Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact Epson customer support. You can find contact information and additional resources, including the full user manual and software downloads, on the official Epson website.

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