EPSON®
EXCEED YOUR VISION

Clownfish

The Clownfish are the subfamily Amphiprioninae of the family Pomacentridae. There are currently 27 species, of which one is in the genus Premnas and the rest are in the subfamily's type genus Amphiprion. The other pomacentrids are called damselfish.

Epson PowerLite® 84+
MULTIMEDIA PROJECTOR

Bright, impressive performance.

Project lessons and presentations that will have students on the edge of their seats. The Epson PowerLite 84+ offers all the features you need for brilliant classroom presentations, all at an affordable price. Plug 'n Play USB connectivity allows you to quickly connect to your PC or Mac® computer, so your audience isn't kept waiting. Clear, crisp audio flows through a built-in 10 W speaker, saving you the added cost of external speakers. Epson's built-in closed captioning accommodates viewers with hearing impairments. The PowerLite 84+ even offers remarkable energy efficiency with its low power consumption of 0.4 W in Standby Mode (network communication off). Perfect for the classroom or meeting room, this lightweight, full-featured performer smoothly delivers exactly what you need for impressive presentations.

Colorful, detailed images — native XGA (1024 x 768) resolution
Bright, brilliant presentations — 2600 lumens color light output, 2600 lumens white light output[1]

The best selling projectors
#1
Epson Projectors
in the world
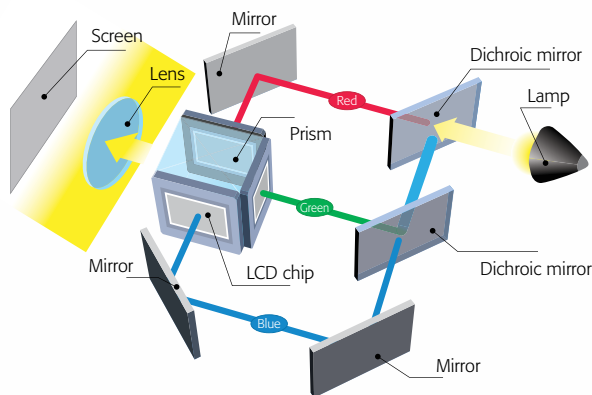
The best-selling projectors in the world.

Epson understands education and has a solution no matter what your teaching scenario. Built with image quality and reliability in mind, Epson projectors enhance communication and inspire collaboration, while offering a low total cost of ownership. From long-throw projectors designed for traditional educational settings to ultra-short-throw and all-in-one solutions built for progressive classrooms, Epson has the model made for you.

3LCD technology — for quality and color that's beyond amazing

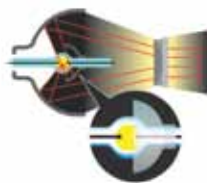**Innovative technology with proven reliability**

- 3 chips for full-time, vibrant color
- 25% less electricity required per lumen of brightness when compared to 1-chip DLP projectors[2]
- Road-tested reliability from a company with over 20 years of experience

▲ 3LCD, 3-chip technology

Energy-efficient E-TORL® lamp, exclusively from Epson

- Delivers more lumens per watt and lasts up to 6000 hours[3]
- Minimizes both light diffraction and light leakage
- Up to 70% longer lamp life than competitive products
- E-TORL replacement lamps cost up to $200 less than competing replacement lamps
- E-TORL lamps maximize your presentation time, while minimizing your costs

▲ E-TORL lamp

Amazing light output

- 2600 lumens color light output and 2600 lumens white light output[1]
- High color light output for bright, balanced, colorful images
- Incredible light output and performance to meet your expectations
- White light output that's measured using ISO 21118 (a more rigid standard than the outdated ANSI lumens rating used by competitive products)

High color light output   Low color light output

Actual photographs of images taken from two competing projectors run in default mode. Price, resolution and brightness (white light output) are the same for both projectors.

4.3"
9.8"
12.9"

▲ Compact and portable design

Eco features

- Energy-efficient 3LCD light engine[2]
- Low power consumption of 0.4 W in Standby Mode (network communication off)
- Energy-efficient E-TORL lamp
- Designed to be recycled[4]
- Epson America, Inc. is a SmartWaySM Transport Partner[5]

Better Products for a Better Future™

For more information on Epson's environmental programs, go to eco.epson.com

You asked, we delivered.

Fast, easy setup and control

- **Instant Off®** — no cool-down time required, so it's ready to shut down when you are
- **A/V Mute Slide** — control your presentation; it's right at your fingertips
- **Sleep Mode** — set from 1 to 30 minutes to save energy when the A/V Mute Slide is closed or no signal is detected
- **1.6x optical zoom** — offers great positioning flexibility
- **Direct Power On/Off** — power the projector on and off with the flip of a wall switch

USB Plug 'n Play instant setup

- No more computer function keys or bulky VGA cables
- Just plug in a standard USB cable and instantly project — compatible with Windows® and Mac
- Instantly view your images on both the screen and your computer; one standard USB cable does it all!

Microphone input

- Amplify the presenter's voice using the projector's powerful 10 W speaker
- Works with wired or wireless dynamic or condenser microphones
- Adjust the volume using the projector's remote control

Filters to protect your investment

Epson has designed our 3LCD projectors with a filter that gives you added peace of mind.

- The filter helps limit the amount of dust that can settle on the internal components and reduce the lamp life or dull the image
- To clean or change the filter, simply open the door, vacuum the dust off or replace the filter, close the door, and you're done
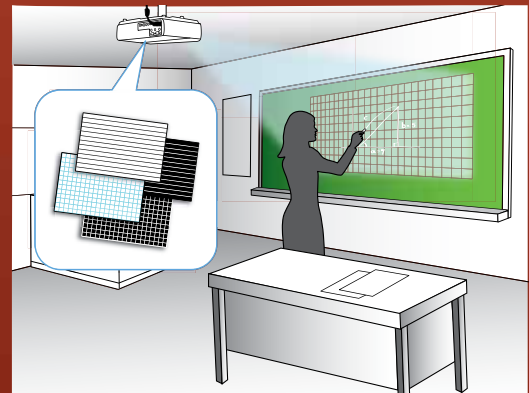
PowerLite 84+

Additional features

- **Powerful sound and communication features, no added cost** — built-in 10 W speaker, closed captioning decoder
- **Easy network monitor and control** — RJ-45 connectivity and included software
- **Added security in any environment** — convenient metal anchor bar
- **Carrying case included** — for easy portability and protection when stored
- **Low power consumption** — 0.4 W in Standby Mode (network communication off)

Built-in teaching aids

- Project pre-designed lines or grids onto whiteboards or chalkboards
- Eliminates the need to draw lines on the board, use grids for graphs and more
- Simply display the pattern by using the customizable User button on the projector remote control
- Choose from four pre-set templates or create a custom template

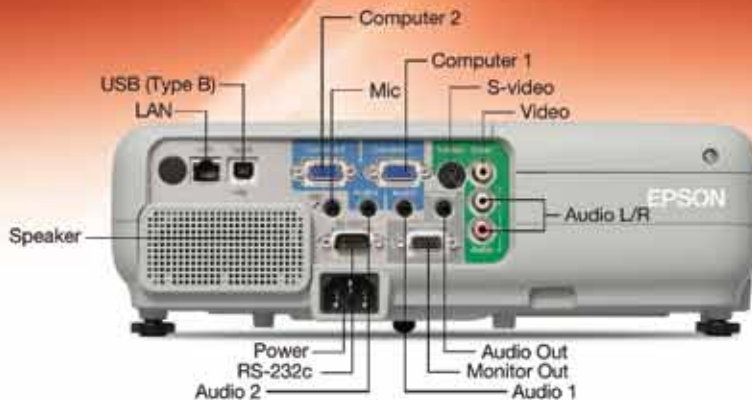## Convenient web remote control feature

- Virtual projector remote control via web browser (works when projector is connected to the network)
- Control power on/off, source, volume, page up/down functions and more from your computer
- Supports multiple web browsers (Windows and Mac compatible)
- No special applications or software necessary

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Epson PowerLite® 84+
MULTIMEDIA PROJECTOR

Product Name	Product Code	UPC
PowerLite 84+	V11H353020	0 10343 87538 8
Genuine Epson Lamp	V13H010L50	0 10343 87322 3
Air Filter Set	V13H134A22	0 10343 87323 0

Specifications

Projection System
Epson 3LCD, 3-chip optical engine

Projection Method
Front/rear/ceiling mount

Driving Method
Epson Poly-silicon TFT Active Matrix

Pixel Number
786,432 dots (1024 x 768) x 3

White Light Output[1]
2600 lumens (ISO 21118 Standard)

Color Light Output[1]
2600 lumens

Aspect Ratio
4:3

Native Resolution
1024 X 768 (XGA)

Resize
640 x 480 (VGA), 800 x 600 (SVGA),
1152 x 864 (SXGA), 1280 x 800 (WXGA),
1280 x 960 (SXGA2), 1280 x 1024 (SXGA3),
1280 x 768 (WXGA60-1), 1360 x 768 (WXGA60-2),
1440 x 900 (WSXGA), 1400 x 1050 (SXGA+),
1600 x 1200 (UXGA)

Lamp Type
200 W UHE (E-TORL)

Lamp Life[3]
Up to 6000 hours (ECO Mode)
Up to 5000 hours (Normal Mode)

Throw Ratio Range
1.39 – 2.26 (4:3)

Size (projected distance)
30" – 300" (2.7' – 45.5')

Keystone Correction Automatic
Vertical: ± 30 degrees

USB Plug 'n Play
Projector is compatible with PC & Mac computers

Contrast Ratio
Up to 2000:1

Color Reproduction
16.77 million colors

Projection Lens

Type
Manual focus/Optical zoom

F-number
1.49 – 1.94

Focal Length
18.2 mm – 29.2 mm

Zoom Ratio
Optical zoom 1.0 – 1.6

Other

Display Performance
NTSC: 480 lines
PAL: 560 lines
(Depends on observation of the
multi-burst pattern)

Input Signal
NTSC/NTSC4.43/PAL/M-PAL/N-PAL/PAL60/SECAM

Interfaces
Computer/component video: D-sub 15 pin x 2
S-video: Mini DIN x 1
Composite video: RCA x 1
Audio in x 3 (RCA (L&R) x 1, mini stereo x 2)
Variable Audio Out: mini stereo x 1
USB connector: Type B x 1 (USB display and
mouse/keyboard control)
Serial: RS-232c x 1
LAN Networking: RJ-45 x 1
Monitor Out: Mini D-sub 15 pin x 1
Microphone: stereo mini jack x 1

Speaker
10 W (Mono)

Operating Temperature
41 ˚ to 95 ˚F (5 ˚ to 35 ˚C)

Power Supply Voltage
100 – 240 V ±10%, 50/60 Hz

Power Consumption
289 W (Normal Mode)
9.4 W Standby (Communication On)
0.4 W Standby (Communication Off)

Fan Noise
35 dB (Normal Mode)
28 dB (ECO Mode)

Security
Kensington®- style lock provision,
Padlock and security anchor bar

Dimensions (W x D x H)

Including feet: 12.9" x 9.8" x 4.3"
Excluding feet: 12.9" x 9.8" x 3.7"
Weight: 6.9 lb

Remote Control

Features
Search, comp, video, USB, LAN, power,
aspect, color mode, volume, e-zoom, A/V mute, freeze,
menu, page up and down, help, auto, mouse functions,
user, num, pointer, esc, enter

Operating Angle
Right/left: ± 30 degrees
Upper/lower: ± 30 degrees

Operating Distance
19'

Support — The Epson Connection℠

Pre-sales support
U.S. and Canada   800-463-7766
Internet website   www.epson.com

Service Programs
Two-year projector limited warranty,
Epson Road Service program,
Epson PrivateLine® dedicated toll-free
support and 90-day limited lamp warranty

What's In The Box
Projector, power cord, computer cable (VGA), USB cable,
soft carrying case, projector remote control, batteries,
user manual CD, Projector Software CD, Quick Setup
Sheet, PrivateLine support card, and password
protection sticker

Accessory Part Numbers

Universal projector ceiling mount	ELPMBPJF
Advanced projector ceiling mount	ELPMBPRG
High-security projector ceiling mount	ELPMBATA
Adjustable suspended ceiling channel kit	ELPMBP01
False ceiling plate kit	ELPMBP02
Structural round ceiling plate	ELPMBP03
Adjustable extension column (pipe) 8" – 11"	ELPMBC01
Component-to-VGA video cable	ELPKC19
S-video cable	ELPSV01
SwissGear® backpack	ELPKS63
Wheeled soft case	ELPKS62
Soft shoulder case for projector and laptop	ELPKS61
Molded hardshell case	ELPKS58
50" portable screen	ELPSC06
80" portable pop-up screen	ELPSC08
Duet™ screen	ELPSC80
Epson DC-10s document camera	ELPDC10S
Epson DC-06 document camera (ELPDC06)	V12H321001
Kensington security lock	ELPSL01
Distribution amplifier	ELPDA01
AP-60 projector sound solution	V12H329020
Replacement remote control	1519442

Packaging Specifications

PowerLite 84+
Dimensions 16.3" x 14.6" x 7.2" (W x D x H)
Weight 12.7 lb

Genuine Epson Lamp
Dimensions 6.3" x 5.6" x 5.6" (W x D x H)
Weight 0.7 lb
Master Carton
Dimensions 28.4" x 13.1" x 6.8" (W x D x H)
Weight 8.6 lb
Units Per Master Carton 10

Air Filter Set
Dimensions 4.9" x 3.9" x 1.2" (W x D x H)
Weight 0.02 lb
Master Carton
Dimensions 12.8" x 5.3" x 4.7" (W x D x H)
Weight 0.2 lb
Units Per Master Carton 10

[1]*Light output varies depending on modes (color and white light output). White light output measured using ISO 21118 standard.*
[2]*Data source: ProjectorCentral.com, Jan. 2009. Average of 796 shipping models for which the manufacturers provided lumens and total power data, all resolutions and brightness levels.*
[3]*Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.*
[4]*See our website for convenient and reasonable recycling options at www.epson.com/recycle*
[5]*SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.*