


# POWERLITE® CINEMA 500



**Vision** For over 60 years, Epson has developed technologies that have profoundly affected the world. Like the fact that Epson is the number one manufacturer of 3LCD microdisplay technology used in projection engines worldwide. Now, we're bringing our technical expertise in digital imaging with our proven color science background to the world of home entertainment. So you'll get a whole new way to experience the thrill of gargantuan pictures - right in your own living room. Welcome to the wide world of Epson.

- Studio quality and performance for the ultimate cinema experience in the privacy of your own home theater
- Powered by the Digital 3LCD engine for true HD picture quality with 1.07 billion shades of color to reproduce 
- Native 720p resolution and 16:9 aspect ratio
- Maximum 1200:1 contrast ratio for blacker blacks and whiter whites
- Up to 1000 ANSI lumens for vivid, larger-than-life performance
- DigiScan™ Processing with Faroudja DCDi technology, plus 3:2 pull-down
- HDMI-ready for complete digital video/audio connectivity
- Epson AccuCinema™ Color Management for accurate color and subtle detail, plus greater control over individual color levels (RGB, CYM)
- Wide-range vertical and horizontal lens shift to accommodate virtually any room configuration
- Integrates into your existing system via IR or RS-232 control codes
- Renowned Epson service and support with comprehensive two-year warranty

For the ultimate cinematic experience, this powerhouse offers native 720p resolution for incredible image quality, as well as fine shadow detail. A Faroudja DCDi™ video processor provides remarkable clarity and a color gamut that's second to none. And of course, there's robust digital connectivity. If you want the best home theater room, this is as good as it gets.

**EPSON®**

# Epson PowerLite Cinema 500

## SPECIFICATIONS

**PROJECTION SYSTEM** Epson original LCD prism technology

**PROJECTION METHOD** Front/rear/ceiling mount

<b>LCD</b>	
Size	0.7" wide
Driving method	Poly-silicon TFT Active Matrix
Pixel number	1280 x 720 pixels
Native resolution	720p
Aspect ratio	16:9
Pixel arrangement	Stripe
Refresh rate	50Hz or 60Hz (based on input signal)

<b>PROJECTION LENS</b>	
Type	Powered zoom/focus
F-number	2.1 – 4.3
Focal length	21.4 – 31.7mm
Zoom ratio	1 – 1.5

<b>LAMP</b>	
Type	200W UHE Lamp
Life*	3000H (Theater Black/Theater/Natural/s-RGB), 1700H (Living Room/Dynamic)

<b>OPTICAL SYSTEM</b>	Dichroic Mirror Separation and Prism Combine Method
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<b>SCREEN SIZE (PROJECTED DISTANCE) - 16:9 IMAGE</b>	
Wide	30" to 300" (2.9' – 29.9')
Tele	30" to 300" (4.4' – 44.8')

<b>LENS SHIFT RANGE</b>	
Vertical	100% max (upward), 50% max (downward)
Horizontal	50% max (left and right)

<b>BRIGHTNESS</b>	Up to 1000 ANSI lm (Color Mode:Living Room/Dynamic)
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<b>CONTRAST RATIO</b>	Up to 1200:1 (Color Mode:Theater Black)
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<b>BRIGHTNESS UNIFORMITY (TYPICAL)</b>	90%
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<b>COLOR REPRODUCTION</b>	Full Color (16.77 million colors)
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<b>EFFECTIVE SCANNING FREQUENCY RANGE (ANALOG)</b>	
Pixel clock	13.5MHz to 81MHz
Horizontal	15KHz to 92KHz
Vertical	50Hz to 85Hz

<b>ADJUSTMENT FUNCTION</b>	
Tilt angle	0 to 2.5°
Keystone correction	Vertical: +/-15°
Cinema filter	Controlled automatically with color mode (ON: Theater/Natural/s-RGB, OFF:Living Room/Dynamic)

<b>VIDEO I/O</b>	
Component Input	
Input signal	
Video standard	480i/575i/480p/575p/720p/1080i
Video signal	Component Video (Analog Y level 0.7V

Input	75 ohm/Cr Cb level +/-0.35V 75 ohm/ sync.negative 0.3V or 3-state+/-0.3V on Y) RCA x 3 (Red/Green/Blue), D4 video (only for Japan)
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Composite/S-Input	
Input signal	
Video standard	NTSC/NTSC4.43/PAL/M-PAL/N-PAL/ PAL60/SECAM
Video signal	Composite Video (1.0Vpp/sync.negative, 75 ohm)/S-Video (Luminous 0.714Vpp, Chrominous 0.286Vpp, 75 ohm)

Input	
S-Video	Mini DIN 4pin
Video	RCA (Yellow) x 1

<b>RGB</b>	
Analog RGB I/O	
Display performance	
Native	720p
Resize	1024 x 768/800 x 600/640 x 480/480i/480p/ 575i/575p/1080i

Input signal	
Signal type	Separate Signal
Video signal	Analog (0.7V p-p, 75 ohm/Mac0.714Vp-p, 75ohm)
Sync. signal	Separate (positive and negative, bi-polarity 2-5Vpp) Composite (positive and negative, bi-polarity 2-5Vpp)/Sync-on-green (negative, 0.3Vpp)

Input	
Video	5 RCA (Red/Green/Blue/H-sync/V-sync) x 2

<b>HDMI</b>	
Input signal	
Video standard	480i/575i/480p/575p/720p/1080i
Video signal	TMDS
Input	
Video	HDMI x 1

<b>CONTROL I/O</b>	
Serial I/O	
I/O terminal	Mini D-sub 9 pin x 1 USB-type B
I/O signal	RS-232c

<b>LOCK FUNCTION</b>	Operation-lock, Focus-lock, Zoom-lock
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<b>OPERATING TEMPERATURE</b>	
41°F to 95°F (5°C to 35°C)	
Cool-down period	Approx. 30 seconds
Start-up period	Approx. 15 seconds

<b>POWER SUPPLY VOLTAGE</b>	100-240 VAC ±10% , 50/60Hz
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<b>POWER CONSUMPTION</b>	
100W area	

Lamp ON	290W (Lamp high), 230W (lamp low)
Standby	0.4W
120V area	
Lamp ON	290W (Lamp high), 230W (lamp low)
Standby	0.4W
230V area	
Lamp ON	280W (Lamp high), 220W (lamp low)
Standby	0.7W
Except Japan	100 - 240VAC 50/60Hz 3.3 - 1.5A

<b>DIMENSIONS</b>	
Includes lens and feet	13.6"D x 17.7"W x 5.8"H
Excludes lens and feet	13.6"D x 17.7"W x 4.7"H

<b>WEIGHT</b>	Approx. 13.8 lbs/6.2kg
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<b>FAN NOISE</b>	
Normal mode (Dynamic/Living Room)	36dB
Quiet mode (Theater Black/Theater/Natural/s-RGB)	27dB

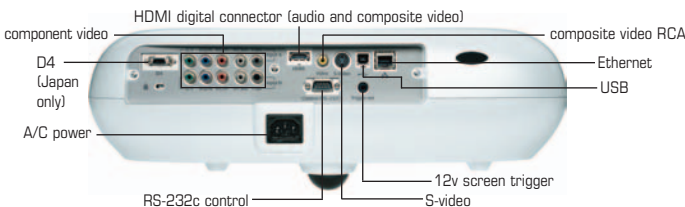
<b>WARRANTY</b>	
Two-year parts and labor limited warranty, 90-day lamp warranty, Epson Home Service Program and Epson PrivateLine dedicated toll-free support (U.S. and Canada only)	

<b>ACCESSORIES IN THE BOX</b>	
Power cord	3m
Remote control	Stick type
Battery	AA x 2
USB cable	1.8m
Epson cinema color editor CD	Included
User's manual	Yes
Warranty instructions	Yes
PrivateLine card	Yes

<b>PRODUCT/ACCESSORY PART NUMBERS</b>	
Epson PowerLite Cinema 500	V11H139020
Replacement lamp (ELPLP28)	V13H010L28
Air filter set (ELPAF04)	V13H134A04
Ceiling mount - pearl white	ELPHB02

<b>SUPPORT-THE EPSON CONNECTION™</b>	
Pre-Sales support U.S. and Canada	800-463-7766
Automated technical support	800-922-8911
Internet Web site	www.epson.com/homeentertainment

\*Lamp life results will vary depending upon mode selected, environmental conditions, and usage.



Epson America, Inc.  
3840 Kilroy Airport Way, Long Beach, CA 90806

Epson Canada, Ltd.  
3771 Victoria Park Avenue, Toronto, Ontario M1W 3Z5

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