

Epson EH-LS10500 projector



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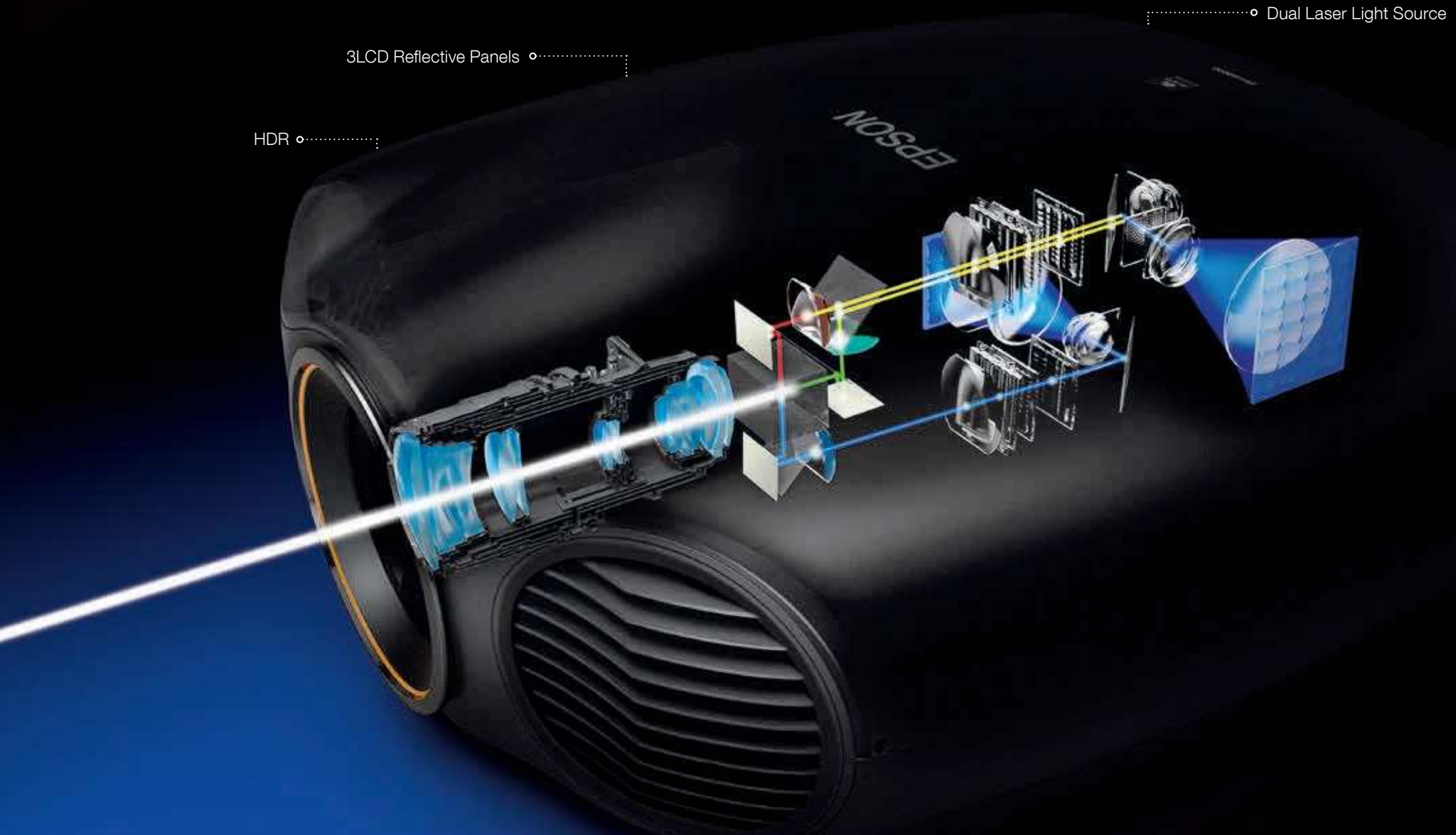
..... Innovative 4K Enhancement Technology

## Prepare to be amazed

The ultimate home theatre demands the ultimate projector. Bring a state-of-the-art movie theatre experience to your home with Epson's groundbreaking EH-LS10500 projector. Featuring revolutionary 3LCD Reflective laser projection technology, this high-definition projector delivers phenomenal image quality and colour brightness that elevates any screening to an enthralling cinematic experience.

# Cinema like you've never seen before

Combining 3LCD Reflective panels and a dual laser light source, these projectors deliver the blackest blacks and bright, true-to-life colours with one of the widest colour gamuts in the industry. With 4K Enhancement Technology and HDR all of the subtleties that the filmmakers originally captured suddenly become visible in beautiful, crisp clarity. It's not just projection — it's Epson home theatre perfection.





• Exceptional contrast for richer blacks and brighter whites.

# At last, laser projection comes home

Considering the advantages offered by a laser system, Epson's decision to use a laser light source for the EH-LS10500 was an obvious choice. The laser engine's long lifespan of up to 30,000 hours<sup>1</sup> provides virtually worry-free operation. And, there's no waiting for the projector to warm-up or cool down — the projector reaches maximum brightness and turns off almost immediately. Plus, high-speed contrast control ensures both bright and dark scenes look their best.

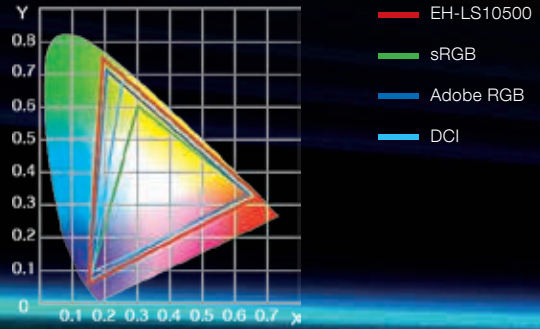
## Dual laser light source

The dual blue laser diode illumination system — one for red and green, the other for blue — ensures balanced, high-quality images.



## Wide colour gamut

Enjoy brilliant, colour-rich performance. The full sRGB colour gamut is visible even in the brightest mode. And, the DCI colour gamut — the digital cinema standard — is also achievable.





Increased aperture ratio delivers smoother pictures.

Nico Rosberg, MERCEDES AMG PETRONAS Formula One™ Team Driver

## Now playing: 3LCD reflective technology with absolute black

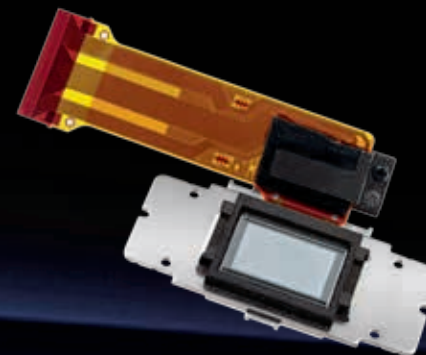
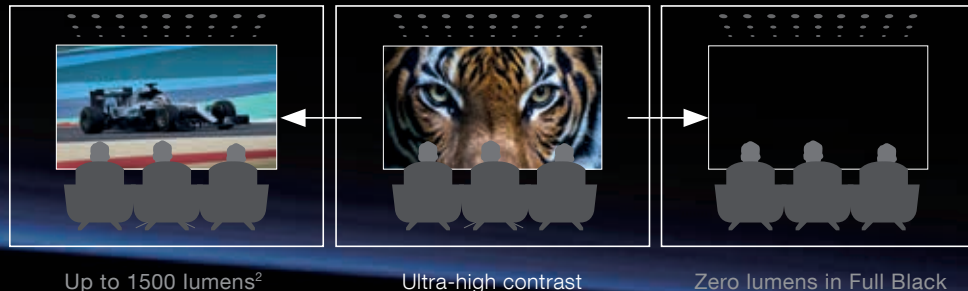
For decades, 3LCD projectors have been praised within the industry for delivering superior colour and gradation. Now, with Epson's innovative 3LCD Reflective system, you get remarkably high contrast as well. Featuring advanced liquid crystal on quartz technology, these 3LCD Reflective projectors boast exceptional performance, including an improved pixel density and increased aperture ratio for smoother, high-quality images.

### Absolute black contrast ratio

Experience incredible, unprecedented black levels — with zero lumens during Absolute Black scenes.

### 3LCD reflective panels

Light reflection reduces and corrects the variation of polarisation, delivering rich, deep blacks.





Picture-perfect gradations.



Image quality that will blow you away.

## Witness home cinema in a whole new light

When it came to designing the EH-LS10500 projector, Epson's engineers focused on a singular goal: achieving the best possible image quality, for an unbelievable home theatre experience. Unlike laser projectors that are intended for business or commercial settings — where brightness is the priority — this projector was designed to deliver higher contrast and a more natural colour expression. The result is a projector that is capable of Absolute Black like you've never seen, as well as smooth, dark gradations and finely-tuned colours.

### Colour modes

Choose from an array of colour modes for an optimised viewing experience. Colour modes include Dynamic, Bright Cinema, Natural, Cinema, Adobe RGB, Digital Cinema, 3D Dynamic and 3D Cinema.



### Reliable performance

Enjoy fast, reliable projection from a constant beam of light. The laser light source delivers images that are more stable.



Darker moments come alive. ○.....



Find yourself in a new world of colour. ○.....



Projected screen images are simulated.

### Finely-tuned colour

The laser light source means that the correct colour gamut is fully realised at all times.

### ISF® Calibration

Exceptional video performance with ISF Calibration tools.





## Bring your movies to life with extra detail

This isn't just a new way to watch movies – it's the best. Epson's 4K enhancement technology reveals exquisite detail and brings the most delicate patterns to life. Whether it's showing native 4K content or digitally upscaling Full HD 1080p content, a new level of finesse is brought to the texture and resolution of the projected image. It shifts each pixel diagonally by 0.5 pixels to double the vertical and horizontal resolution. And with Epson's Super Resolution and Detail Enhancement technology in place, you'll have the optimal viewing experience with sharp and crisp images every time.

### 4K Enhancement Technology

4K Enhancement makes standard and HD content come alive. From the feathers in a plume to freckles on a nose, you'll see every incredible detail.







## The cutting-edge experience

Are you ready to discover the latest state-of-the-art technology for home cinema projectors? High dynamic range presents the optimal visual experience by increasing the contrast ratio to deliver a far greater range between the darkest and lightest areas of the screen. It gives images more depth and allows you to see incredible detail that's previously not been possible. But that's not all; it enriches colours making images feel more natural yet intense, and ultimately, more immersive. With HDR support, you can now take advantage of the latest HDR content available.



# Picture-perfect, proven 2D & 3D technologies

Whether you're watching a cinema classic or the latest 3D blockbuster, the advanced projection features on the EH-LS10500 deliver outstanding performances. These innovations include Epson's unique Super-resolution with Detail Enhancement Technology, exceptional Frame Interpolation capabilities, as well as powerful Bright 3D Drive projection. Experience a new standard of home entertainment.

## Super-Resolution with detail enhancement

Super-resolution defines edges for standard and HD content, while Detail Enhancement refines surface detail for true-to-life images.



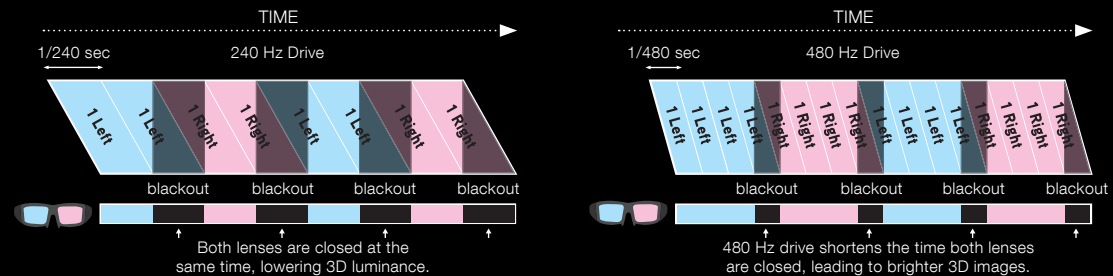
## Frame interpolation

Frame Interpolation technology inserts multiple new frames between the original ones, so motion appears smoother, sharper and more realistic.



## Bright 3D drive

Bright 3D Drive Technology doubles the image refresh rate from 240 Hz to 480 Hz and reduces the blackout time of 3D glasses to provide greater brightness when viewing 3D content.



# Total recall: Powered lens position memory

Fast, quiet and precise, the EH-LS10500 allows you to preset up to 10 positions for zoom, focus and lens shift for both standard projection and wide cinema ratios. Project 2.40, 2.35, 1.85 and 1.78 aspect ratios on the same screen without an anamorphic lens — and no downtime when switching between ratios. Watch movies on a grander scale at the touch of a button, without any disruptive black bars.



16:9

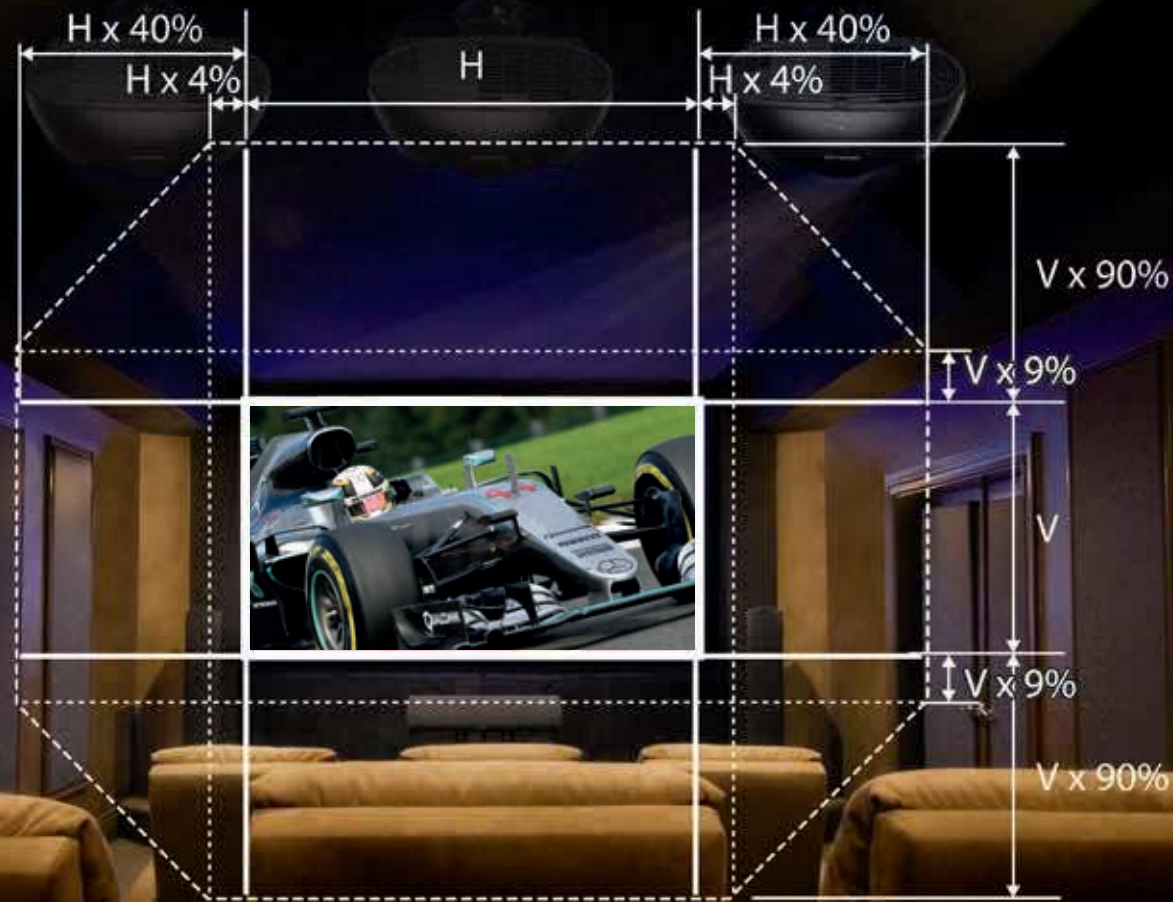
16:9 movie on a 2.40:1 screen



2.40:1

2.40:1 movie on a 2.40:1 screen





H — Horizontal V — Vertical

## Designed for extraordinary installation flexibility

In addition to added reliability and amazing colour performance, Epson's advanced projection technology enables a wide range of lens shift capabilities for outstanding installation flexibility. The EH-LS1050 has an incredible range of up to  $\pm 90$  percent on the vertical axis and up to  $\pm 40$  percent on the horizontal axis. Users can operate the lens shift functions using the remote control, the projector control panel, or control commands.

# Powerful innovation in an elegant package

Elegant body. Bold, glamorous curves. Textured black surface. These features are all part of a premium product that's packed with innovation and power. Every inch of this projector has been considered. There's no wasted space — and no exposed cables. Even the dark, matte finish of the EH-LS10500 is itself an innovation: It's not just beautiful to look at, but it absorbs light, too.

Bold curves

Light-absorbent black finish

No exposed cables

Packed with innovation

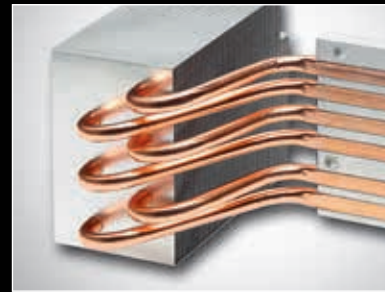
# A performer that's the strong, silent type

When it comes to home cinema, you want to focus on what's in front of you — and nothing else. That's the idea behind the innovative, efficient cooling system of the EH-LS10500. With noise levels as low as 19 dB, these are among the quietest projectors in the industry. It's time to enjoy engaging cinema without distraction — all the better for those moments when the picture takes your breath away.



## Cooling efficiency

A whisper-quiet fan that's so silent, you won't even notice there's a projector in the room.



## Premium components

The projectors feature thermal-conductive copper piping to help dissipate heat



# Practical functionality, convenient connectivity

Take the trouble out of troubleshooting with enriched network functionality and convenient hands-free features that make servicing the projector easier than ever before. Dealer representatives can securely and remotely monitor the projector's status to address issues that may arise. There is even an email notification function that can send status alerts to a designated recipient.



- Dual HDMI connectivity  
Simultaneously connect up to two different HDMI devices directly to the projector.  
(Includes one HDMI HDCP2.2 port)
- LAN/Ethernet port  
Provides automatic email notifications should problems arise.
- Home automation integration  
Easily integrate the projector with home automation systems through the RS-232c port.

## Specifications

## EH-LS10500

<b>Projection System</b>	3LCD Reflective, 3-chip technology Poly-silicon TFT active matrix
<b>Projection Methods</b>	Front / rear / ceiling mount
<b>Driving Method</b>	Epson Poly-silicon TFT active matrix, 0.74-inch wide panel Reflective HTPS
<b>Projected Output</b>	HD, 2D, 3D, 1080p
<b>Pixel Number</b>	2,073,600 dots (1920 × 1080) × 3
<b>Colour Brightness<sup>2</sup> (Colour Light Output)</b>	1500 lumens
<b>White Brightness<sup>2</sup> (White Light Output)</b>	1500 lumens
<b>Aspect Ratio</b>	Native 16:9 widescreen (4:3 resize), compatible with 4:3 and 2.35:1 video formats with Normal, Full or Zoom Modes
<b>Native Resolution</b>	Native 1080p (1920 × 1080)
<b>Laser Type</b>	Laser Diode 41.9 mW (Output)
<b>Light Source Life<sup>2</sup></b>	Up to 30,000 hours (ECO Mode)
<b>Size (projected distance)</b>	100" diagonal (wide: 9.3' – tele: 19.8')
<b>Contrast Ratio</b>	Absolute Black (Full White 1500 lm / Full Black 0 lm)
<b>Projection Lens Type</b>	Powered optical zoom / Powered focus
<b>F-Number</b>	2.5 – 3.7
<b>Focal Length</b>	21.3 mm – 44.7 mm
<b>Zoom Ratio</b>	1 – 2.1
<b>Powered Lens Shift</b>	Vertical: 90% max (up and down with horizontal centered), Horizontal: 40% max (left and right with vertical centered)
<b>Lens Cover</b>	Powered, slide lens shutter
<b>Lens Iris</b>	Fine adjustments
<b>Lens Position</b>	The following 3 items are saved in memory: Lens Shift Position, Zoom Position, Focus Position
<b>Memory Positions</b>	10 (Memory 1 – 10)
<b>Display Performance</b>	1920 × 1080 native 1080p; HD, 2D, 3D, 2D to 3D conversion
<b>Aspect Mode</b>	Auto / Normal / Full / Zoom / Anamorphic Wide / Horizontal Squeeze
<b>Super-resolution / 4K Enhancement</b>	Off / 1 / 2 / 3 / 4 / 5 / 4K-1 / 4K-2 / 4K-3 / 4K-4 / 4K-5
<b>Frame Interpolation</b>	Off / Low / Normal / High (2D and 3D Mode)
<b>Colour Modes</b>	Dynamic, Bright Cinema, Natural, Cinema, Adobe RGB, Digital Cinema, 3D Dynamic, 3D Cinema
<b>Input Signal HDMI</b>	480i / 576i / 480p / 576p / 720p / 1080i / 1080p / 4K × 2K
<b>Terminal Inputs</b>	2 HDMI (1 HDMI HDCP2.2), 1 RS-232c, 1 RCA (composite), 3 RCA (component), 1 VGA D-sub 15 pin (computer input), 1 Wired LAN (RJ45, 100 Mbps) for command and control only
<b>Computer Compatibility</b>	PC, Mac®
<b>Fan Noise</b>	19 dB (4K Enhancement: Off)
<b>Power Supply Voltage</b>	100 – 240V AC ± 10%, 50/60 Hz
<b>Power Consumption</b>	220 – 240V, Laser on 442W, Laser on (ECO) 262W, Standby Mode – Communication on 3.3W / off 0.38W
<b>Dimensions / Weight</b>	550mm × 553mm × 225mm (W × D × H), Weight: 18Kg



- 1 30,000 hours is the estimated projector life when used in ECO mode. The projector and any accessories supplied with it come with a three year warranty, except 3D Glasses which come with one year warranty. Actual hours may vary depending on usage environment.
- 2 Colour brightness (colour light output) and white brightness (white light output) will vary depending on usage conditions. Colour light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118:2012. Caution: Class 2 laser product. Do not stare into the beam.
- 3 Survey conducted by Futuresource Consulting Limited for the period from 2001 to 2015

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