

BenQ LH730



– The Next Revolution In High Brightness LED Projection

Equipped with 4LED Light Source, the all-rounder projector ensures never-seen-before image clarity with increased lifespan

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BenQ's 4LED High Brightness Projector – LH730 is a game changer in Education and the corporate customer segments. BenQ's 4LED Projection Technology which provides much better picture quality compared to what's currently available in the market.

Technology & Advantage of BenQ LH730

Majorly there are two three types of projectors commonly used in the Corporate and Education Segments – Lamps, LED and Laser.

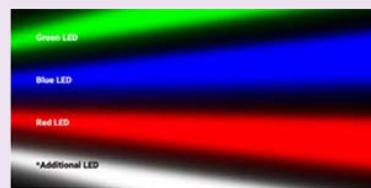
Lamp-Based Projectors – This is one of the oldest technologies which reproduces images once the lamp is heated. The major challenge of using this technology was that it generates excess heat, has low Lamp life, is more susceptible to environmental factors such as Dust and Smoke and has low colour saturation and accuracy.

LED-Based Projector – To overcome challenges faced in Lamp based systems, LED projectors have many advantages such as better picture quality – high colour saturation and accuracy, longer Light Source life, and dissipates less heat compared to Lamp Projectors.

- The majority of the LED projectors come with a 3LED Projection system, while BenQ LH730 comes with its latest 4LED Based Projection system, which reproduces pictures using 4 LEDs rather than conventional 3 LEDs. These 4 LEDs are Red, Green, and Blue along with one additional green LED light source. With this, the projector provides an additional "Pump" LED to the 3LED ecosystem increasing the overall projection brightness by 8-12%.



3LED Projection system



BenQ 4LED Projection system

- Colours reproduced by LED Projectors are highly saturated and this gives rise to the Helmholtz–Kohlrausch Effect which increases the perceived brightness of the image by a factor of 1.5x – 2.4x. As a result of the HK effect, the 4000 ANSI Lumens high brightness of LH730 is perceived as 6000-7000 ANSI Lumens high brightness by the naked human eye.
- BenQ LH730 comes with 20,000 hours of life span under normal usage conditions which even means the system will function perfectly for more than 7 years when used continuously for 8 hours a day. And when used in ECO mode the life span increases to 30,000 hours which means the system can function perfectly

Key Highlights:

- Up to 30,000 hours LED lifespan with no lamp replacement
- 98% Rec.709 colour coverage for greater colour saturation and precision
- Flexible Installation Features: 2D & Auto Vertical keystone, Corner Fit, and Digital Shrink
- Compatible with 4K HDR and HLG via dual HDMI 2.0
- Superior Contrast of 500,000:1
- Exclusive Picture Modes for Modern Presentations
- Image Calibration for Ideal Projection Alignment
- Wireless Scalability for Enhanced Flexibility
- High Reliability, Easy Maintenance
- Centralized Remote Management

for more than 10 years when used continuously for 8 hours a day. This is almost 10 to 15 times the lifespan of traditional lamp-based projectors.

- Considering the future, BenQ LH730 is equipped with 2 HDMI 2.0 Ports, an additional dongle to add a wireless casting functionality, LAN Port for controlling the projector through LAN Network with either BenQ's Patented Lan-based control System DMS Local or with other 3rd party Control processors like AMX, Crestron, and PJ Link Control systems.

Conclusion

- Excellent Picture Quality
- Suitable for Mid- large conference rooms and Smart Classroom Applications
- LED Based DLP Projector with very Less heat dissipation and low noise
- Wireless casting using an additional dongle
- Lightweight

Suggested Improvement –

- BenQ LH730 is majorly meant for the corporate and education segment, supports to pen drive, Hard disk through a USB port needs to be provided.