# BlueCore Laser Projectors from the World's No. 1 DLP Brand

Take Advantage of Long-Lasting DLP Pure Color

BLUE**CORE** LASER

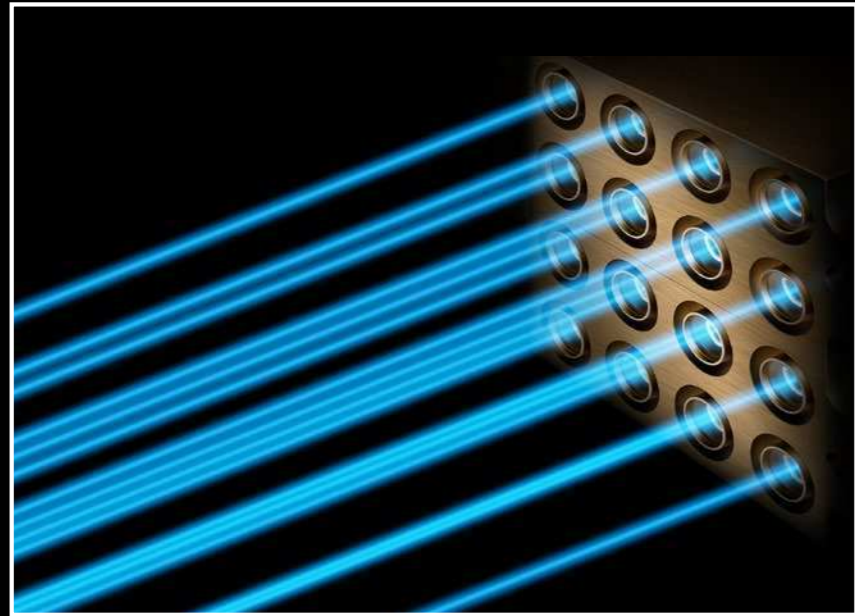Museums/Entertainment     Exhibitions     Boardrooms     Control Rooms     Staging

BenQ

Because it matters

# Professional BlueCore Laser Projectors from the World's #1 DLP Brand

BenQ, the world's No.1 DLP brand, introduces a full line of innovative projectors featuring proprietary BlueCore DLP high brightness laser technology for large venue applications. Combining high brightness, excellent image quality, installation flexibility, and a maintenance-free laser light source, BenQ BlueCore Laser Projectors enable immersive public displays and innovative visual communication in ways never before possible.

Our I-chip DLP projectors are engineered with dual color wheels to optimize the high output of the laser light source, LU9715 generating 8000 ANSI Lumens from its BlueCore laser light engine. As a result, we are able to harness the dramatic performance benefits of laser technology to maintain superior image quality for over 20,000 hours without lamp replacement. Our innovative Dual-Array laser engine modules are configured as a safeguarded system to ensure dependable 24/7 operation, allowing installation at any angle as well as portrait orientation, enabling brand-new methods of projection in a wide range of applications.

**LU9715**  | WUXGA | 8000 lm

- 1-Chip DLP 8000 ANSI Lumens with Laser Light Source
- 100,000:1 Contrast Ratio
- Motorized Lens Control
- 8 Optional Lenses for Diverse Applications
- Built-in Edge Blending and Geometric Correction
- 360° and Portrait Projection
- Dust-Proof Design

**LU9235**  | WUXGA | 6000 lm

- 1-Chip DLP 6000 ANSI Lumens with Laser Light Source
- 100,000:1 Contrast Ratio
- 5 Optional Lenses for Diverse Applications
- Corner Fit Correction
- 360° and Portrait Projection
- Dust-Proof Design

## Laser Projection System

### BlueCore Laser Light Source
BlueCore laser modules produce high brightness output with failsafe redundancy.

### Dual Color Wheel System
The dual color wheel system utilizes red, green, blue and yellow segments to generate ideal white balance and accurately saturated RGBY colors for optimally balanced image quality.

Phosphor wheel

Color wheel

### Total Inner Reflection (TIR) Prism
The engine with TIR prism precisely focuses the center and corners of the image and evens out brightness uniformity for a smooth, comfortable viewing experience.
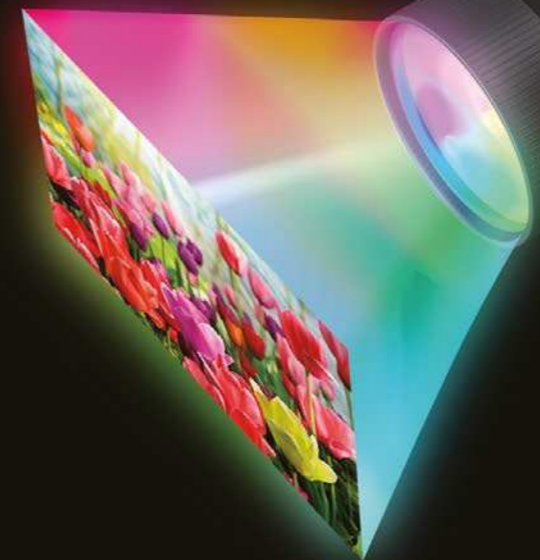
### DLP Chip
High WUXGA (1920x1200) native resolution provides 2.3 million pixels, far more than Full HD 1080p, for increased content capacity and precise picture performance.

GLOBAL #1 DLP Projector Brand

BLUE CORE LASER

## LU9715 | LU9235

### BlueCore Laser for Pure Color

To harness the high output of the powerful laser light source, BenQ engineers utilized dual color wheels for BlueCore Laser Projectors to significantly improve pure RGBY colors achieved by eliminating the white segment of a conventional color wheel. Through an ideal mixture of the red, green, blue and yellow color segments, BenQ Laser Projectors produce brilliant color and a wider color gamut than conventional lamp-based projectors. Balanced RGBY optimization makes high color projection more efficient while also resulting in pure white and high brightness which is ideal for presentations.
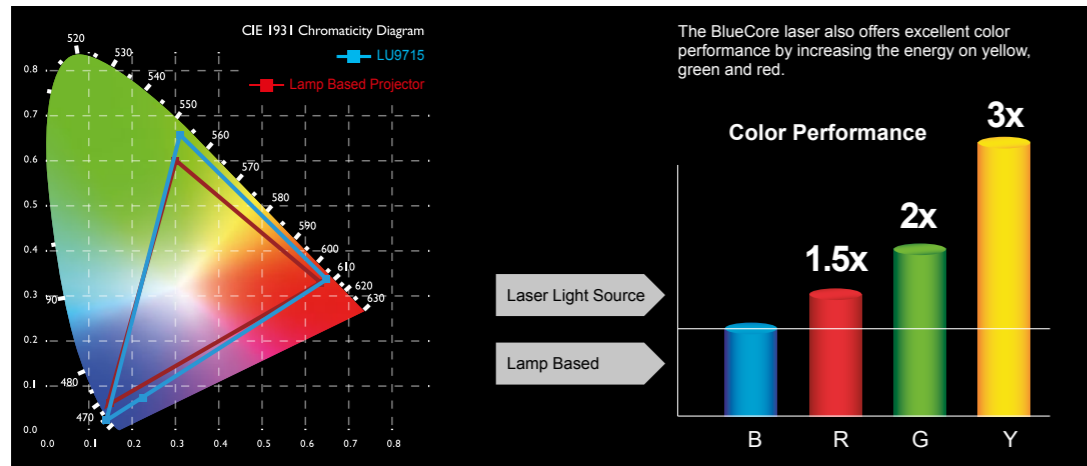
CIE 1931 Chromaticity Diagram
— LU9715
— Lamp Based Projector

The BlueCore laser also offers excellent color performance by increasing the energy on yellow, green and red.

**Color Performance**

| | B | R | G | Y |
|---|---|---|---|---|
| | | 1.5x | 2x | 3x |

Laser Light Source
Lamp Based

## LU9715 | LU9235

### The Ultimate Impact of Ultra-High Contrast

BenQ BlueCore Laser Projectors directly control light output for faster response and strikingly clear images at a super-high contrast ratio of 100,000:1 with automatic brightness adjustments to retain clarity and subtle details in dark scenes and balance in bright scenes.

Brightness    Power Control

100%

0%

Scenes
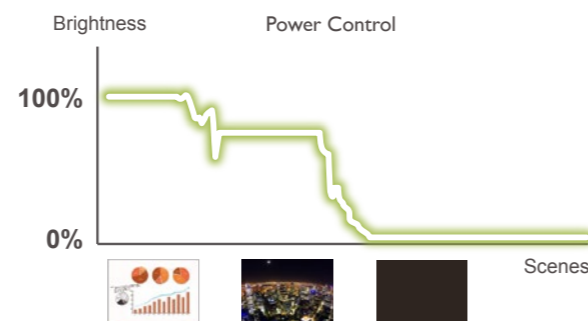
## LU9715 | LU9235

### WUXGA Resolution for Enhanced Detail and Expanded Content

With an impressive WUXGA (1920 × 1200) native resolution that far exceeds Full HD 1080p, BenQ BlueCore Laser Projectors can project large-scale images and uncompressed video, offering 2.3 million pixels for greater detail and stunning clarity when high-resolution images are projected. As a result, BenQ Laser Projectors preserve readability even while projecting more information than conventional Full HD projectors.

XGA 1024 × 768
WXGA 1280 × 800
FHD 1920 × 1080
WUXGA 1920 × 1200
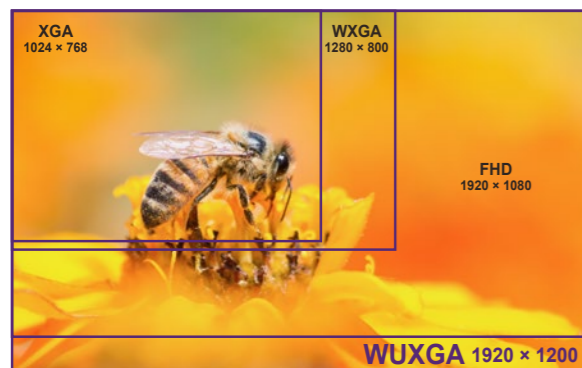
Non-WUXGA Picture    **WUXGA Picture**

WUXGA offers great detail for large-scale high-resolution projections.
(Example of WUXGA clarity on 200" projection)

## LU9715 | LU9235

### True Black in Blank Function

BenQ BlueCore Laser Projectors feature full direct control of laser light output, achieving true black in Blank function to eliminate light intrusion and enable customized energy conservation. Full laser output control also enables spontaneous response, requiring no waiting time to turn on or resume from Blank Function.

**Lamp Based Without Shutter**
· Blank function: 30% power output
· Black image looks grey
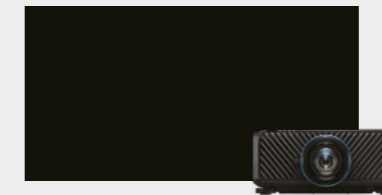
**True Black by Laser Light Source**
· Blank function: 0% power output
· True black output

BLANK

Blank Function Control Hotkey

## LU9235

### DICOM X-ray Imaging

DICOM (Digital Imaging and Communication in Medicine) is a standard for handling, storing, printing and transmitting medical imaging information. DICOM Simulation Mode is ideal for viewing grayscale medical images, such as X-rays, with an advanced grayscale level for training and educational purposes.

Presentation Mode    DICOM Simulation Mode

# Enduring Reliability

LU9715 LU9235

## Guaranteed Performance for 20,000 Hours

BenQ BlueCore Laser Projectors are guaranteed for 20,000 hours of superior image quality performance. Compared to lamp based projectors, the laser light source resists color decay over time, making BenQ Laser Projectors ideal for multiple blending projections without concern that adjacent projectors may generate different levels of brightness after a period of operation. Choose from different light source modes to optimize energy use and extend the life of your projector.

**Light Source Operating Life Comparison**

MODE

| Lamp Based Normal Mode | **100%** brightness output |
| BlueCore Laser Normal Mode | **100%** brightness output |
| BlueCore Laser ECO Mode | **80%** brightness output |
| * BlueCore Laser Dimming Mode | **25%** brightness output |

2,000hrs  10,000hrs~  15,000hrs~  20,000hrs~  40,000hrs~  70,000hrs

*\* Dimming Mode: only LU9235*
*\* For more details, please refer to the specifications*

**24/7 operation** BenQ BlueCore Laser Projectors support continuous 24/7 operation and are suitable for applications in museums or public exhibitions.

Lamp Based

BlueCore Laser

Brightness Decay Over Time (Multiple Edge Blending Scenario)

**Brightness Comparison Over Time**

Brightness

— Lamp Based
— BlueCore Laser

100%

50%

≤2,000hrs    20,000hrs

Life (hours)

---
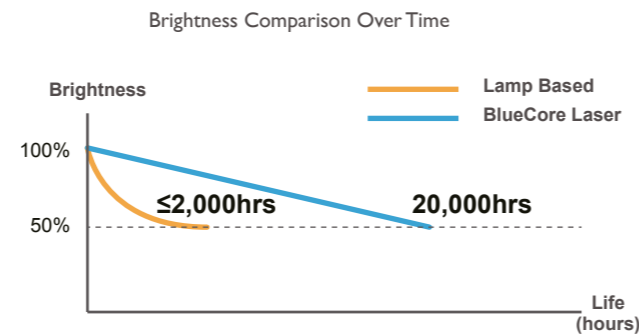
LU9715 LU9235

## DLP Virtually Eliminates Color Decay

BenQ BlueCore Laser Projectors are based on the absolute reliability of the I-chip DLP design. Comprising over two million micro-mirrors that reflect pure light through the color wheel, the highly durable DLP chip is rated to last over 100,000 hours without degradation. Due to the incredible high precision of the micro-mirrors design, the DLP chip experiences little to no aging or heat damage, ensuring true-to-life colors and pristinely legible text for the duration.

**BenQ DLP Projector**

Original Color ▶ After Six Months of Use

**Non-DLP Projector**

Original Color ▶ After Six Months of Use
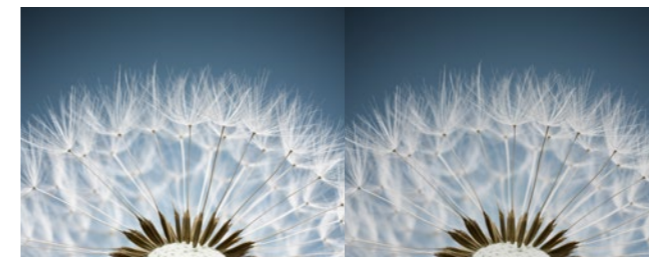
BenQ DLP Projectors maintain the most vivid, crisp images and boundless picture perfection by eliminating color decay.

Reservoir Tank
Laser Bank
Embedded Pump
Enlarged Radiator

---

# Advanced Reliability Engineering

LU9715 LU9235

## Superior Dustproofing for Severe Conditions

Projectors in high-traffic public areas such as lecture halls and exhibitions can rapidly accumulate dust, causing brightness degradation, reduced picture quality and shortened product lifespan. BenQ BlueCore Laser Projectors are designed with sealed laser modules and enclosed light engines to protect the DMD chip, color wheel sensor, laser bank and other optical components.

*Dust chamber test standard: JIS Class8

Seamlessly sealed lens mounting provides dustproof protection for internal DLP engine.

Sealed engine protects laser bank and color wheel system.

LU9715

## Advanced Liquid Cooling System

BenQ BlueCore Laser Projectors employ a specially developed liquid cooling system to protect the laser engine even for stable operation in working temperatures up to 40 °C (104 °F). The innovative liquid cooling system, which compared to fan-cooling projectors is operating by heat extraction, producing a smooth, comfortable sound with increased reliability.
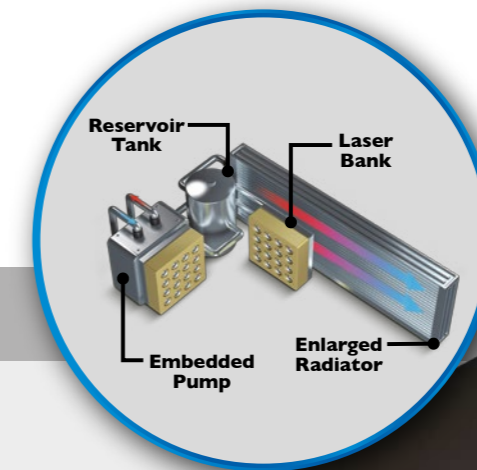
# Excellent Installation Flexibility



---

## Zoom, Focus, Lens Shift

The convenience and wide range of the zoom, focus and horizontal/vertical lens shift systems deliver perfectly proportioned images despite installation or placement challenges in any venue.
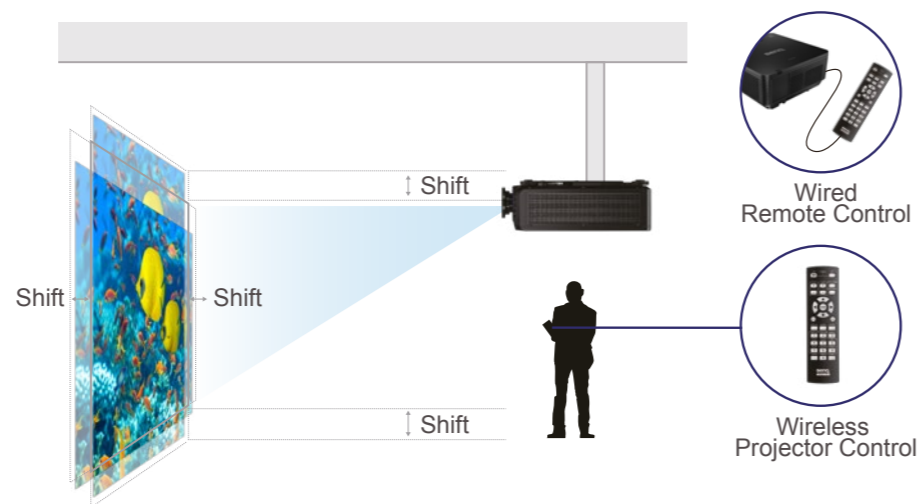
LU9715

## Motorized Lens Control

Simple remote-control commands for omnidirectional adjustments to projection targets eliminate manual labor to relocate/reconstruct mounting locations.



Shift ← → Shift

Shift

Shift

Wired Remote Control

Wireless Projector Control

---

LU9715

## Lens Memory

Equipped with ten customizable memory settings for image size, position, and focus, the projector detects and optimizes source material with various aspect ratios onto the projection area. Users can easily recall lens settings without tedious adjustments, such as when maximizing full-screen viewing of different aspect ratios onto a 2.35:1 screen for a cinematic experience.



16:9 Projection image

2.35:1 Projection image

2.35:1 Projection area

Memory 1

Memory 2

---
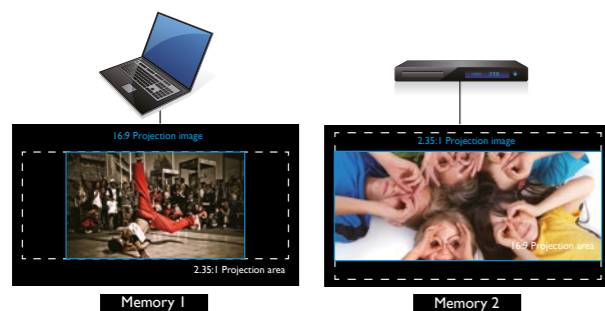
LU9715  LU9235

## Intuitive Central Lens Design

Designed with the lens in the center of the machine, a new symmetrically centered lens design allows easy installation without the need for special considerations for offset installation. Additionally, in cases where horizontal or vertical lens shift has been applied, a hotkey quickly returns the projector to factory default for use in different environments and installations.



W=width of image

---
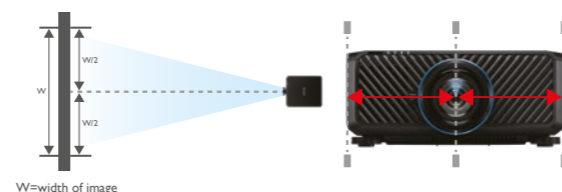
LU9715  LU9235

## 360° and Portrait Projection Accommodate Different Spaces

BlueCore laser technology guarantees reliable projection from any angle. Dynamic installation options such as 360° rotation and portrait applications, allowing projection onto ceiling, walls, floors or angled signage. The possibilities of impactful visuals in shopping centers, galleries, museums and stages are endless.



Portrait Application

360° Horizontally

360° Vertically

---

LU9715  LU9235

## Multiple Lenses for Diverse Applications

BenQ BlueCore Laser projectors can accept up to 8 selectable optional lenses comprising short-throw to long-throw ranging from TR 0.38 to TR 8.19*. Featuring all-glass construction for ultra-clear focus and high apertures for brighter images, these lenses are made in Japan for the highest optical quality control. All-glass optics eliminate chromatic and color flare for utmost image quality. Maximize installation options and projection layout, a quick one-button release makes changing lenses simple and secure.

*LU9715 for 8 optional lenses; LU9235 for 5 optional lenses. For more details, please refer to the specifications



A quick-release button makes changing lenses simple and secure.

One Button to release Lens

---

LU9715  LU9235

## Built-in Test Patterns

Precision installation and setup is facilitated by various integrated test patterns, which allow easy calibration of linearity color fidelity, bleed, and distortion.



---

LU9715  LU9235

## Dual Carrying Handles

Dual side handles located at the bottom of the projector increase portability and allow two people to carry the projector comfortably.

LU9715 | LU9235

## Geometric Correction

Corner fit for 4 corners and Surface fit for pincushion and barrel offer convenient control to form perfectly aligned images. Corner Fit offers individual adjustment of each corner to fit the image into difficult corners, and surface fit enables alignment onto uniquely shaped or curved projection surfaces.*

Corner Fit for 4 Corners

Surface Fit for Pincushion and Barrel
*only LU9715

LU9715

## Integrated Edge Blending Support

Edge Blending accounts for the intersecting area between adjacent images to adjust the brightness of the overlap at the edges to make multi-screen projection truly seamless. Color Matching function can then be used to calibrate any small differences in the color output profile of each projector to create stunning, supersize multi-projector displays with perfect alignment, brightness and color. Moreover, LU9715 features Picture-in-Picture (PIP) and Picture-by-Picture (PBP) for enhanced multi-source projection.

Overlapping
Image Edge

Without Edge Blending

With Edge Blending
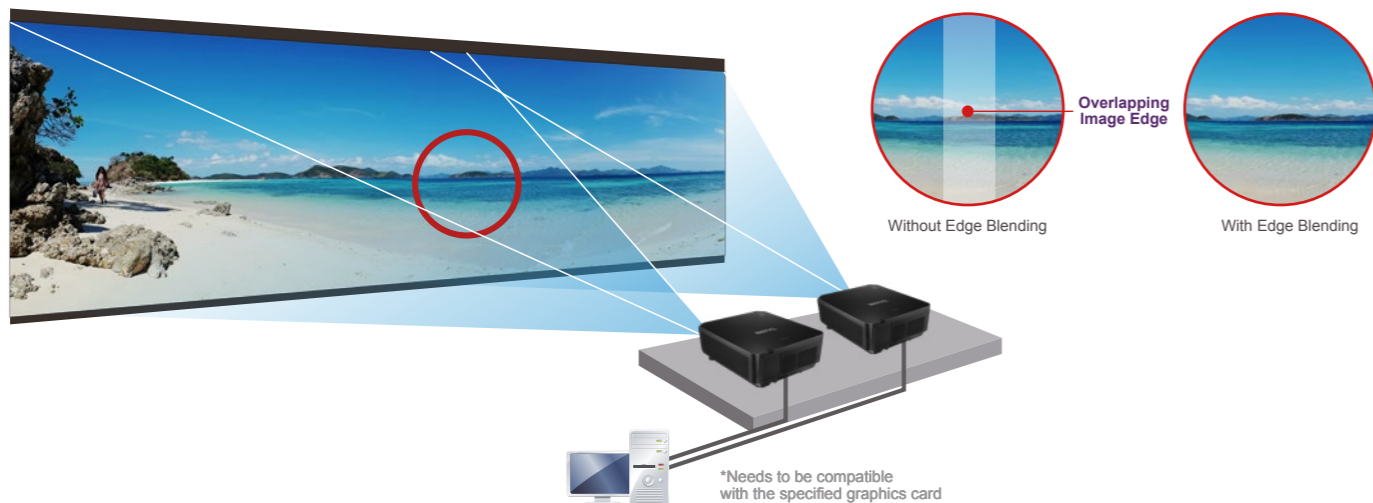
*Needs to be compatible
with the specified graphics card

LU9715 | LU9235

## BenQ Distance Simulation Online Tool

The next generation BenQ Projection Calculator is a free online tool that simplifies installation by helping to calculate projector positioning to inform interior design, IT purchases and projection accuracy. Understand your projector needs – including screen and projection size, distance and more – to clarify projector needs.
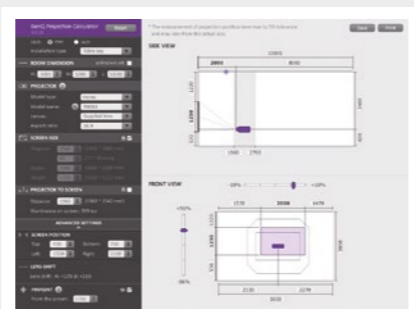
LU9715 | LU9235

## HDBaseT Support

Groundbreaking HDBaseT connectivity combines video, audio, and device control signals from multiple sources including PCs, laptops, document cameras, Blu-ray, DVDs onto a signal CAT5 cable, capable of lossless transmissions up to 100 meters. This incredibly efficient and cost-effectivity is also ideal for ceiling-mounted and other permanent installations.

HD-BaseT

network cable

100m

HDBT

| PC/Laptop | Document Camera | Blu-Ray DVD | Control Box* | Wired* Remote |
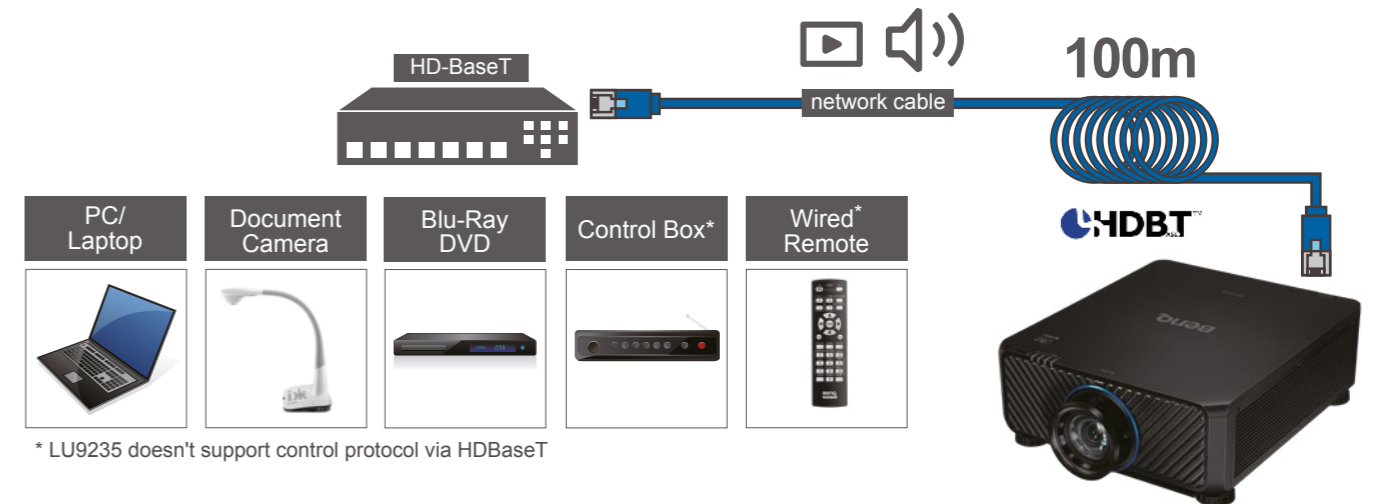
* LU9235 doesn't support control protocol via HDBaseT

LU9715 | LU9235

## Full Connectivity Across Formats

BenQ BlueCore Laser Projectors are comprehensively equipped with VGA, DVI, HDMI, LAN and 3G-SDI, as well as one-cable HDBaseT technology for high-quality connections to a variety of devices and video sources.

3G-SDI* widely used in the media and broadcast industry to transport uncompressed digital video signals.

3G SDI
IN    OUT

**3G-SDI**
*only LU9715

## Network Control and Management

LU9715 | LU9235

**CRESTRON   AMX   PJLink**

**Network/Web Control**

BenQ BlueCore Laser projectors are compatible with Creston, AMX and PJLink control systems for convenient system integration with various third-party components and reduced cost to centrally maintain multiple projectors.

LU9715 | LU9235

**Stay in Control with BenQ MDA Software**

BenQ Multiple Display Administrator (MDA) software dashboard enables projector control, identification and task management from a single computer. MDA can simplify routines such as opening and closing procedures with scheduling features and by allowing remote power on and off.

Projector 1    Projector 6
Projector 2    Projector 5
Projector 3    Projector 4

BenQ MDA Software
Power On/Off    Task Management    Identification
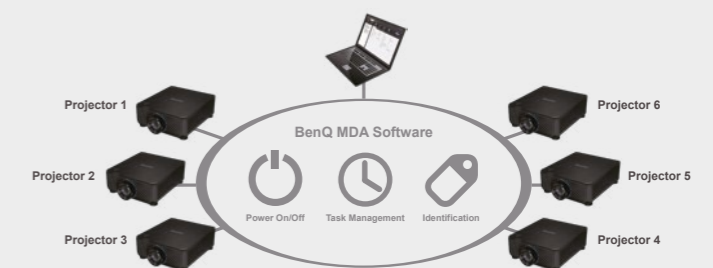
LU9715 | LU9235

## Custom Light Mode

Custom Light Mode modulates light power output from 20% to 100% to optimize the projected image to a variety of ambient lighting situations, especially useful for blending consistent brightness across multiple projections. Fine luminance adjustments by each percentage ensure the ideal brightness level to enhance the visual experience in any environment, while extending the product lifespan.

LU9715 | LU9235

## Quick On/Off

BlueCore laser powers up in half the time of a lamp-based projector, reducing wait time and power consumption. Quick On/Off is ideal for multi-projector venues such as museums and galleries to shorten opening and closing procedures.

LU9715 | LU9235

## Laser Light Creates Value Over Time

The laser light source of BenQ BlueCore Laser Projectors is guaranteed for 20,000 hours of maintenance-free operation, saving on lamp replacement and maintenance costs. Based on the average brightness cut off of typical long-life lamps, BlueCore's value exceeds that of 10 lamp replacements over the life of the projector.

[Example]
In 20,000hrs

Brightness
100%

Average
Lamp-replacement
brightness cut off

2,000hrs 2,000hrs 2,000hrs 2,000hrs 2,000hrs

20,000hrs

Hours
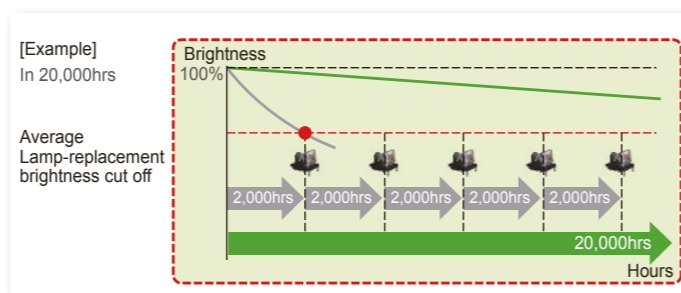
### Lamp Based Solution

Example: 20,000hrs Operation=
10 times extra maintenance expenses

**10 times Lamp expenses + 10 times Labor expenses**

### Laser Light Source Solution
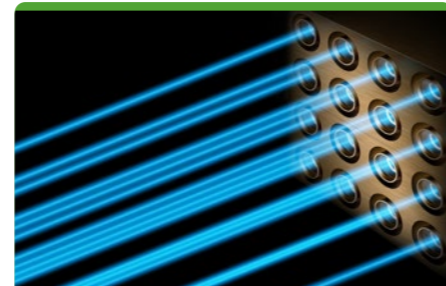
**20,000hrs without any extra maintenance expenses**

Control Room

Staging

LU9715 | LU9235

## Eco-Conscious Standby Modes

Adhering to strict European regulations, networked standby power consumption is cut down to a miserly 6 watts to reduce environmental impact and total cost of ownership. When in eco mode, power consumption is a miniscule 0.5 watts.

## ecoFACTS
csr.BenQ.com

- PVC-free plastic packaging
- BFR/PVC-free casing plastics
- Certain phthalate-free wires/cables
- Arsenic-free optical glass
- >85% recycled papers in packaging box
- Eco-friendly ink printing in packaging box and user manual

Museums/Entertainment

## Terminals

### LU9715

1. 12V Trigger
2. RS232
3. Computer 2 (BNC)
4. Computer 1(D-sub in 15pin)
5. Monitor out (D-sub 15pin)
6. 3D Sync out
7. Wired remote in
8. HDBaseT/LAN
9. DVI-D
10. Display Port
11. 3G-SDI in/out
12. HDMI

### LU9235

1. Monitor out (D-sub 15pin)
2. PC 1(D-sub in 15pin)
3. HDBaseT
4. DVI-D
5. HDMI 1
6. HDMI 2/MHL
7. LAN (RJ45)
8. USB TypeA (1.5A power)
9. 3D Sync out
10. Video (Composite)
11. USB TypeB (Service)
12. RS232
13. PC 2 (BNC)
14. RCA Audio in/out L/R
15. Audio in (mini jack)
16. Wired remote in/out
17. 12V Trigger

## Lens Table

| | Lens | UST | Wide Fix | Ultra Wide | Wide Zoom | Standard | Semi Long | Long Zoom1 | Long Zoom2 |
|---|---|---|---|---|---|---|---|---|---|
| | Model Name | LS1ST4 | LS1ST3 | LS1ST2 | LS1ST1 | LS1SD | LS1LT1 | LS1LT2 | LS1LT3 |
| | Part Number | 5J.JCY37.001 | 5J.JAM37.011 | 5J.JAM37.061 | 5J.JAM37.021 | 5J.JAM37.001 | 5J.JAM37.051 | 5J.JAM37.031 | 5J.JAM37.041 |
| LU9715 | Throw Ratio | XGA:0.392 WXGA:0.395 WUXGA:0.377 | XGA:0.79 WXGA:0.8 WUXGA:0.76 | XGA:0.77-0.97 WXGA:0.75-0.93 WUXGA:0.75-0.93 | XGA:1.31-1.85 WXGA:1.31-1.87 WUXGA:1.25-1.79 | XGA:1.79-2.35 WXGA:1.81-2.38 WUXGA:1.73-2.27 | XGA:2.33-3.81 WXGA:2.33-3.86 WUXGA:2.22-3.67 | XGA:3.71-5.57 WXGA:3.76-5.64 WUXGA:3.58-5.38 | XGA:5.5-8.56 WXGA:5.56-8.67 WUXGA:5.31-8.26 |
| | Lens Shift | V:-3%-+7% H:±5% | V:0-+50% H:-10%-+10% | V:0-+50% H:-10%-+10% | V:0-+50% H:-10%-+10% | V:0-+50% H:-10%-+10% | V:0-+50% H:-10%-+10% | V:0-+50% H:-10%-+10% | V:0-+50% H:-10%-+10% |
| | Picture | *Central lens at 56.5% | | | | | | | |

| | Lens | Wide Fix | Wide Zoom | Standard | Semi Long | Long Zoom1 |
|---|---|---|---|---|---|---|
| | Model Name | LS2ST3 | LS2ST1 | LS2SD2 | LS2LT1 | LS2LT2 |
| | Part Number | 5J.JDH37.002 | 5J.JDH37.011 | 5J.JEN37.001 | 5J.JDH37.032 | 5J.JDH37.041 |
| LU9235 | Throw Ratio | XGA:0.81 WXGA:0.82 WUXGA:0.778 | XGA:1.14-1.347 WXGA:1.155-1.365 WUXGA:1.1-1.3 | XGA:1.6-2 WXGA:1.62-2.03 WUXGA:1.54-1.93 | XGA:2-3 WXGA:2.03-3.05 WUXGA:1.93-2.9 | XGA:3.11-5.18 WXGA:3.15-5.25 WUXGA:3-5 |
| | Lens Shift* | V:-15%-+55% H:-5%-+5% | V:-15%-+55% H:-5%-+5% | V:-15%-+55% H:-5%-+5% | V:-15%-+55% H:-5%-+5% | V:-15%-+55% H:-5%-+5% |
| | Picture | | | | | |

*XGA lens shift: V:-10%-+50%, H:-5%-+5%

## Distance Chart

### LU9715

| Screen Size | | | UST 5J.JCY37.001 | | Wide Fix 5J.JAM37.011 | | Ultra Wide 5J.JAM37.061 | | | | Wide Zoom 5J.JAM37.021 | | | | Standard 5J.JAM37.001 | | | | Semi Long 5J.JAM37.051 | | | | Long Zoom1 5J.JAM37.031 | | | | Long Zoom2 5J.JAM37.041 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Diagonal | Width | Height | NA | | NA | | Wide | | Tele | | Wide | | Tele | | Wide | | Tele | | Wide | | Tele | | Wide | | Tele | | Wide | | Tele | |
| (Inch) | (m) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) |
| 80 | 2.03 | 1.72 | 1.08 | - | - | 52.0 | 1.32 | 50.8 | 1.29 | 63.8 | 1.62 | 84.9 | 2.16 | 121.8 | 3.09 | 117.0 | 2.97 | 154.3 | 3.92 | 150.5 | 3.82 | 251.4 | 6.39 | 242.7 | 6.16 | 367.3 | 9.33 | 567.0 | 14.40 |
| 100 | 2.54 | 2.15 | 1.35 | -1 | -24 | 65.5 | 1.66 | 63.9 | 1.62 | 80.2 | 2.04 | 106.6 | 2.71 | 152.7 | 3.88 | 147.0 | 3.73 | 193.5 | 4.92 | 188.9 | 4.80 | 315.0 | 8.00 | 304.3 | 7.73 | 460.4 | 11.70 | 452.1 | 11.48 | 711.6 | 18.07 |
| 120 | 3.05 | 2.58 | 1.62 | 5 | 127 | 78.9 | 2.01 | 77.1 | 1.96 | 96.6 | 2.45 | 128.4 | 3.26 | 183.6 | 4.66 | 176.9 | 4.49 | 232.8 | 5.91 | 227.6 | 5.78 | 378.6 | 9.62 | 366.7 | 9.31 | 553.6 | 14.06 | 544.9 | 13.84 | 856.2 | 21.75 |
| 150 | 3.81 | 3.23 | 2.02 | 14 | 354 | 99.1 | 2.52 | 96.8 | 2.46 | 121.1 | 3.08 | 161.0 | 4.09 | 230.0 | 5.84 | 221.8 | 5.63 | 291.6 | 7.41 | 285.0 | 7.24 | 474.1 | 12.04 | 459.4 | 11.67 | 693.3 | 17.61 | 684.0 | 17.37 | 1073.1 | 27.26 |
| 200 | 5.08 | 4.31 | 2.69 | 29 | 733 | 132.8 | 3.37 | 129.7 | 3.29 | 162.1 | 4.12 | 215.3 | 5.47 | 307.3 | 7.81 | 296.6 | 7.53 | 389.7 | 9.90 | 381.0 | 9.68 | 633.1 | 16.08 | 611.9 | 15.54 | 926.4 | 23.53 | 915.9 | 23.26 | 1434.7 | 36.44 |
| 300 | 7.62 | 6.46 | 4.04 | 59 | 1489 | 200.1 | 5.08 | 195.4 | 4.96 | 244.0 | 6.20 | 324.0 | 8.23 | 461.9 | 11.73 | 446.3 | 11.34 | 585.9 | 14.9 | 573.2 | 14.56 | 951.2 | 24.16 | 924.0 | 23.47 | 1392.1 | 35.36 | 1379.6 | 35.04 | 2157.8 | 54.81 |
| 400 | 10.16 | 8.62 | 5.38 | - | - | 267.4 | 6.79 | 261.2 | 6.63 | 325.9 | 8.28 | 432.7 | 10.99 | 616.6 | 15.66 | 595.9 | 15.14 | 782.3 | 19.87 | 765.3 | 19.44 | 1269.7 | 32.25 | 1233.9 | 31.34 | 1857.9 | 47.19 | 1843.3 | 46.82 | 2880.9 | 73.18 |
| 500 | 12.70 | 10.77 | 6.73 | - | - | 334.8 | 8.50 | 326.9 | 8.30 | 407.7 | 10.36 | 541.5 | 13.75 | 771.2 | 19.59 | 746.6 | 18.94 | 978.3 | 24.85 | 957.4 | 24.32 | 1587.8 | 40.33 | 1543.7 | 39.21 | 2323.6 | 59.02 | 2307.1 | 58.60 | 3604.0 | 91.54 |

### LU9235

| Screen Size | | | Wide Fix 5J.JDH37.002 | | Wide Zoom 5J.JDH37.011 | | | | Standard 5J.JEN37.001 | | | | Semi Long 5J.JDH37.032 | | | | Long Zoom 1 5J.JDH37.041 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Diagonal | Width | Height | NA | | Wide | | Tele | | Wide | | Tele | | Wide | | Tele | | Wide | | Tele | |
| (Inch) | (m) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) | (Inch) | (m) |
| 80 | 2.03 | 1.72 | 1.08 | 53 | 1.34 | 75 | 1.90 | 88 | 2.24 | 104 | 2.65 | 131 | 3.33 | 131 | 3.33 | 197 | 5.00 | 204 | 5.17 | 339 | 8.62 |
| 100 | 2.54 | 2.15 | 1.35 | 66 | 1.68 | 93 | 2.37 | 110 | 2.80 | 131 | 3.32 | 164 | 4.16 | 164 | 4.16 | 246 | 6.25 | 254 | 6.46 | 424 | 10.77 |
| 120 | 3.05 | 2.58 | 1.62 | 79 | 2.01 | 112 | 2.84 | 132 | 3.36 | 157 | 3.98 | 196 | 4.99 | 196 | 4.99 | 295 | 7.50 | 305 | 7.75 | 509 | 12.92 |
| 150 | 3.81 | 3.23 | 2.02 | 99 | 2.51 | 140 | 3.55 | 165 | 4.20 | 196 | 4.98 | 245 | 6.24 | 245 | 6.24 | 369 | 9.37 | 382 | 9.69 | 636 | 16.15 |
| 200 | 5.08 | 4.31 | 2.69 | 132 | 3.35 | 187 | 4.74 | 220 | 5.60 | 261 | 6.63 | 327 | 8.31 | 327 | 8.31 | 492 | 12.49 | 509 | 12.92 | 848 | 21.54 |
| 300 | 7.62 | 6.46 | 4.04 | 198 | 5.03 | 280 | 7.11 | 331 | 8.40 | 392 | 9.95 | 491 | 12.47 | 491 | 12.47 | 738 | 18.74 | 763 | 19.39 | 1272 | 32.31 |
| 400 | 10.16 | 8.62 | 5.38 | 264 | 6.70 | 373 | 9.48 | 441 | 11.20 | 522 | 13.27 | 655 | 16.63 | 655 | 16.63 | 984 | 24.99 | 1018 | 25.85 | 1696 | 43.08 |
| 500 | 12.70 | 10.77 | 6.73 | 330 | 8.38 | 466 | 11.85 | 551 | 14.00 | 653 | 16.59 | 818 | 20.79 | 818 | 20.79 | 1230 | 31.23 | 1272 | 32.31 | 2120 | 53.85 |

*BenQ Projection Calculator is available online, please refer to the global site    *Installation chart has maximum of 5% tolerance and may vary from the actual size    *The distance for LS1ST4 is from projector back to screen

## Specifications (Right)

| Model Name | LU9715 | LU9235 |
|---|---|---|
| Picture | | |
| Projection System | 1 DLP 0.67 WUXGA DC3 DMD Chip | 1 DLP 0.67 WUXGA DC3 DMD Chip |
| Native Resolution | 1920 x 1200 pixels, 16:10 | 1920 x 1200 pixels, 16:10 |
| Brightness | 8000 ANSI Lumens | 6000 ANSI Lumens |
| Contrast ratio(FOFO) | 100,000:1(Dynamic black on) | 100,000:1 |
| Keystone Correction | Vertical: ± 30° , Horizontal: ± 30° | Vertical: ± 30° , Horizontal: ± 30° |
| Aspect Ratio | Native 16:10 (9 aspect ratio selectable) (5:4/4:3/16:10/16:9/1.88/2.35/Theaterscope/Source(Auto)/Unscaled(Real)) | Native 16:10 (5 aspect ratio selectable) (Auto/Real/4:3/16:9/16:10) |
| Light Source | Laser diodes | Laser diodes |
| Light Source life* | 20000/45000/85000 hours(Normal/Eco/Custom by 50%) | 20000/38000/75000 hours(Normal/Eco/Dimming) |
| **Optical** | | |
| Lens | 8 Lenses (Motorized lens control) | 5 Lenses (Manual zoom and focus) |
| Lens shift | V (0 ~ +50%), H (-10% ~ +10%) Standard lens | V (-15% ~ +55%), H (-5% ~ +5%) Standard Lens |
| Projection Size | 80"-500", Standard lens | 50"-300", Standard lens |
| **Compatibility** | | |
| Resolution Support | VGA(640 x 480) to WUXGA(1920 x 1200) | VGA(640 x 480) to WUXGA(1920 x 1200) |
| Horizontal Frequency | 15K ~ 92kHz | 15 ~ 102kHz |
| Vertical Scan Rate | 23 ~ 85Hz | 23 ~ 120Hz |
| HDTV Compatibility | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p |
| Video Compatibility | NA | NTSC/ NTSC4.43/ PAL (Including PAL-M, PAL-N/ SECAM/ PAL60) |
| **Advanced Feature** | | |
| Security | Security bar, Power cord lock. Lens lock | Security bar, Power cord lock. Lens lock |
| Feature | · Blank for True Black<br>· Geometric Correction<br>  Corner Fit for 4 Corners, Surface Fit for Pincushion and Barrel<br>· Image Rotation(-45 to 45 degree)<br>· Embedded Edge Blending<br>· Custom Lightsource Mode(light power adjustment)<br>· 24/7 Operation<br>· Dust Proof Engine<br>· Liquid Cooling System<br>· Various Test Pattern<br>· Lens Memory | · Blank for True Black<br>· 2D Keystone<br>· Corner Fit for 4 Corners<br>· Custom Lightsource Mode(light power adjustment)<br>· Dicom Simulation Mode<br>· 24/7 Operation<br>· Dust Proof Engine<br>· Various Test Pattern |
| Installation | 360° and Portrait | 360° and Portrait |
| **General** | | |
| Power Consumption | Normal 850Watts. Eco 675Watts. | Normal 640Watts. Eco 500Watts. |
| Standby Power Consumption | Normal < 0.5Watts. Network < 6W. | Normal < 0.5Watts. Network < 6W. |
| Power Supply | 100~240V AC | 100~240V AC |
| Product Dimensions(WxHxD) | 500 x 211 x 583 mm | 470 x 216 x 525 mm |
| Product Weight | 28kg(without lens) | 25kg(without lens) |
| Noise Level | 40dBA/37dBA | 36dBA/33dBA |
| Built-in Speaker | NA | 20W(10W*2) |
| Operating Temperature | 0~40°C | 0~40°C |
| On Screen Display Language | English/German/Spanish/French/Italian/Swedish/Portuguese/Russian/Simplified Chinese/Traditional Chinese /Korean/Japanese | Arabic/Bulgarian/Croatian/Czech/Danish/Dutch/English/Finnish/French/German/Greek/Hindi/Hungarian/Italian/Indonesian/Japanese/Korean/Norwegian/Polish/Portuguese/Romanian/Russian/Simplified Chinese/Spanish/Swedish/Turkish/Thai/Traditional Chinese |

*Light source life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice