

BESUN LED LIMITED

Come from BESUN, go for BEing SUN.

PROFESSIONAL IMAGING OPTICAL LIGHTING PRODUCTS & SOLUTIONS

2025





A DECADE OF ORIGINALITY

Spot shaping/ Zooming / Projection / Smart control

Fully independent intellectual property rights, global patents, global certification!
Our products result from both professionalism and love!

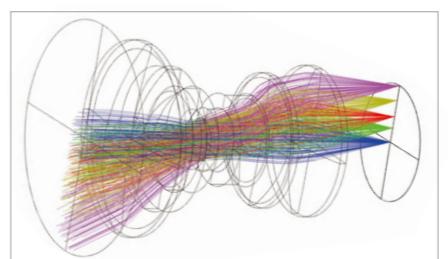
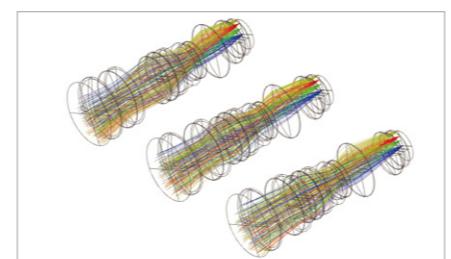


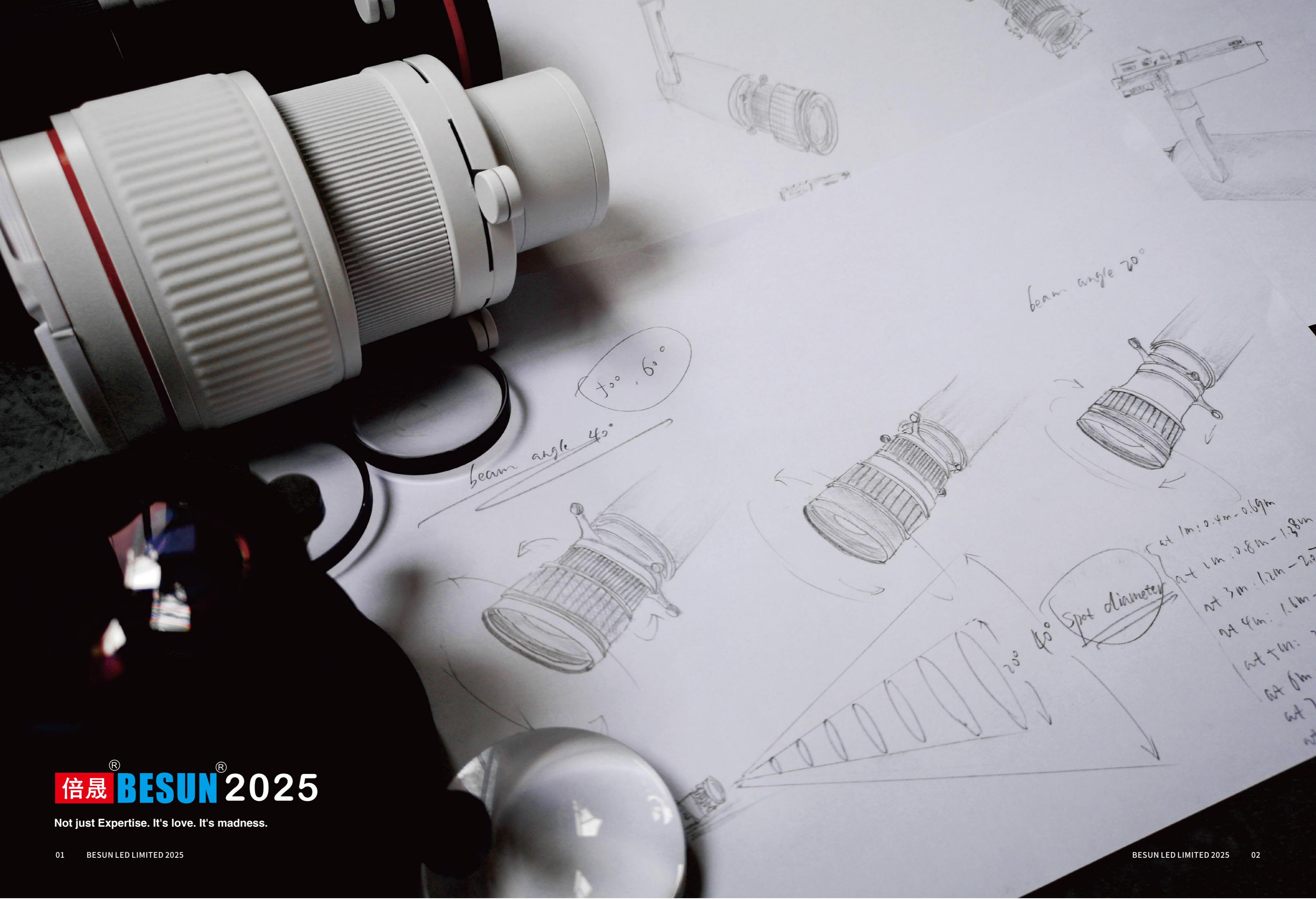
COMPANY PROFILE

As a leader in imaging optical lighting technology, BESUN LED LIMITED. is one of the earliest domestic companies focusing on the field of imaging optical lighting. With the corporate vision of "becoming the world's leading professional product and service provider in the field of imaging lighting", BESUN continues to focus on providing professional precise optical design, optical products, optical accessories, optical control and related services.

Along with the start-up development of China's LED lighting industry, BESUN LED has maintained a leading position in the Chinese market for more than 10 consecutive years. We are one of the companies with the earliest entry into the domestic imaging lighting field, the deepest technical reserves, and the most complete industrial layout. BESUN has formed a complete strategic layout of imaging optical lighting, and has R&D and manufacturing capabilities from core technology research and development such as algorithms, design, and materials to various terminal applications. With rich practical experience, BESUN LED has taken the lead in realizing the application of imaging optical systems in multiple industries or fields, such as imaging lighting optical, machine vision, lithography machine optical, etc., and has developed a large number of imaging lighting fields for more than ten years. Be the first to witness, promote and lead the development of China's imaging lighting market.

Based on the foundation of years of global development, BESUN LED has formed a global business layout and service capabilities, has allocated global resources with a global perspective, and built domestic and foreign product research and development centers including China, the United States, Russia, Germany, Italy, and South Korea. , production and marketing system, with more than 10 international patents, technology covers design, optical, material science, high-precision machining, software and multi-system combination of hardware, software and various algorithms, products are exported to more than 90 countries around the world and regions, laying a solid foundation for promoting the development of global imaging optical lighting.





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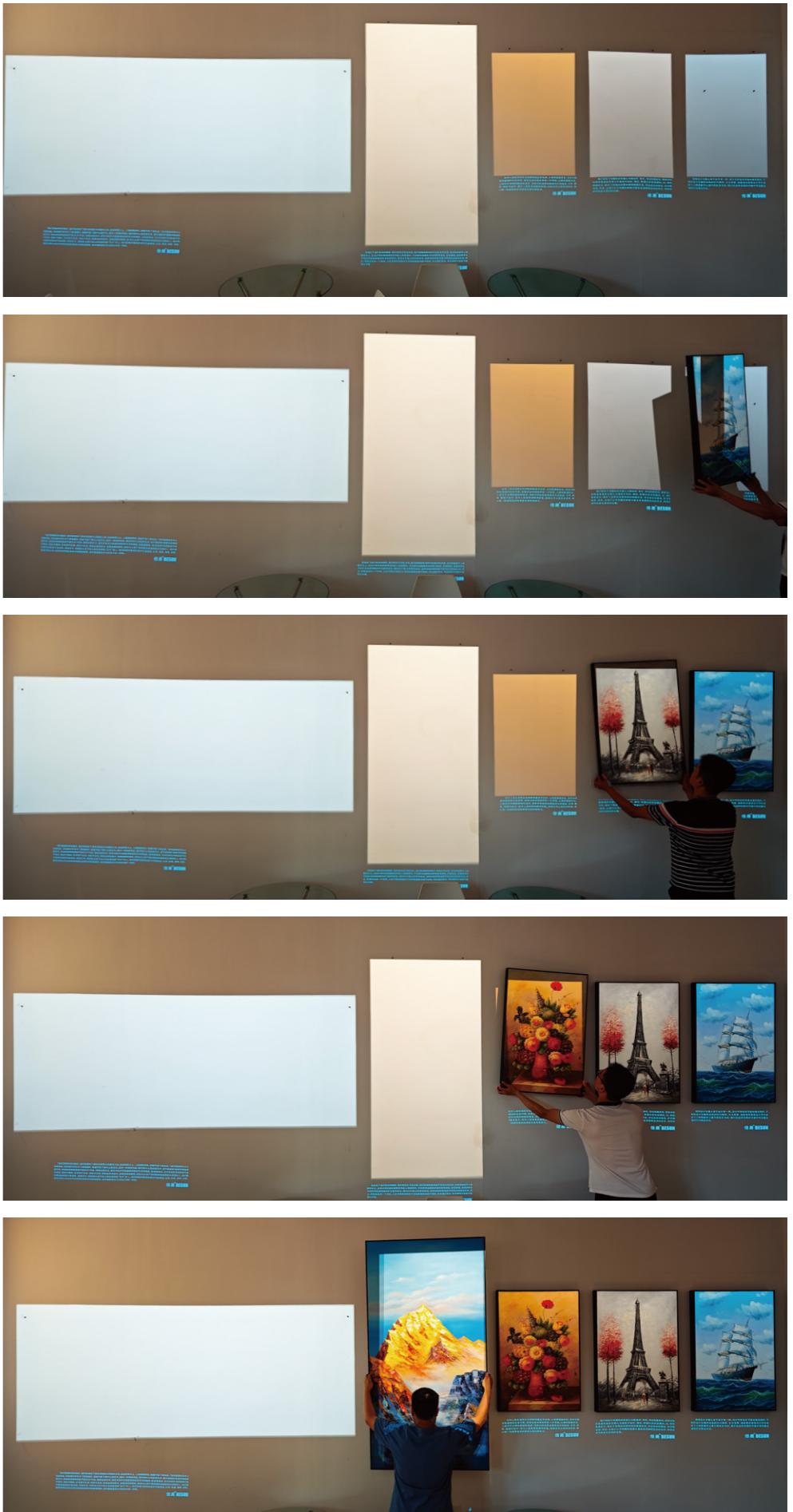
From a spiritual perspective, humanity's metaphor and pursuit of light have been endlessly reflected in great works of painting, literature, film, and sculpture, becoming a precious part of our collective heritage. If light could tell stories, the only limit would be the storyteller's imagination.



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The distinction between art and non-art lies not in knowledge, but in spirit. Art springs from life, yet transcends it. What elevates it is the very ethos of creation — dedication, persistence, exploration, endurance, and even the willingness to immerse oneself in prolonged suffering. Perhaps this is the only true boundary that separates art from all else.

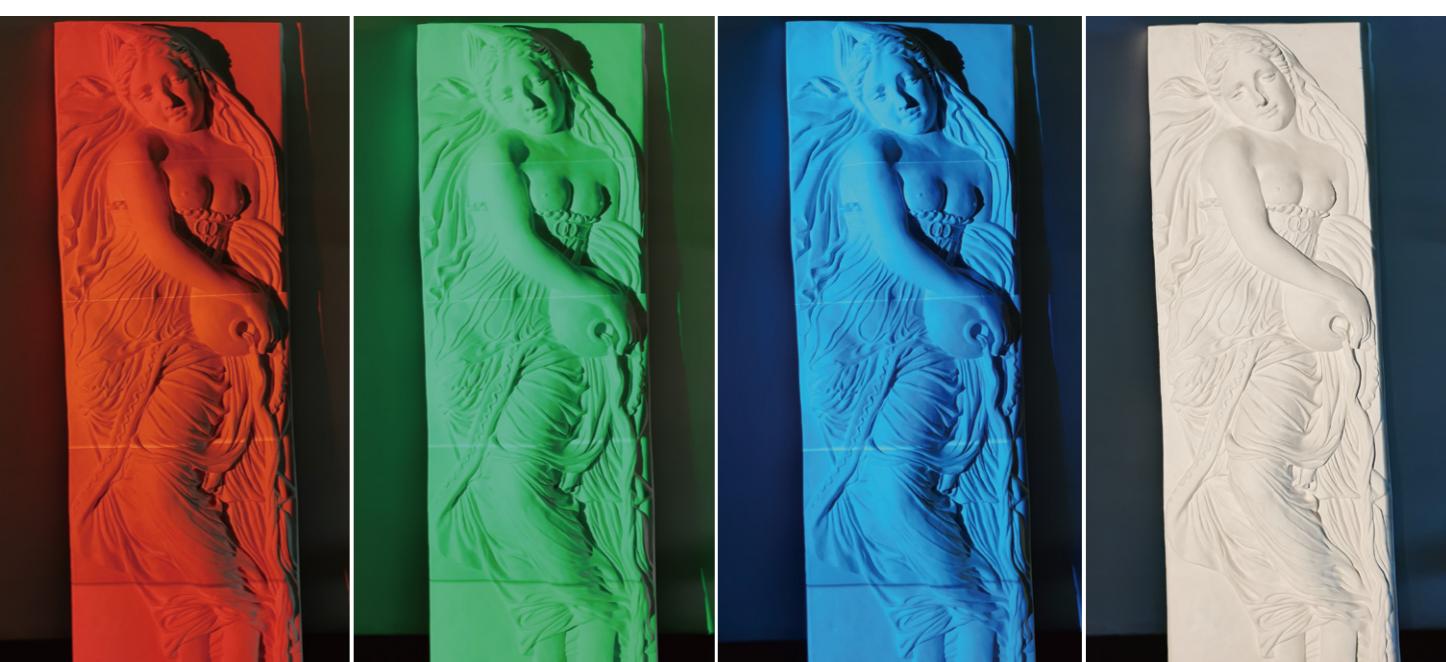




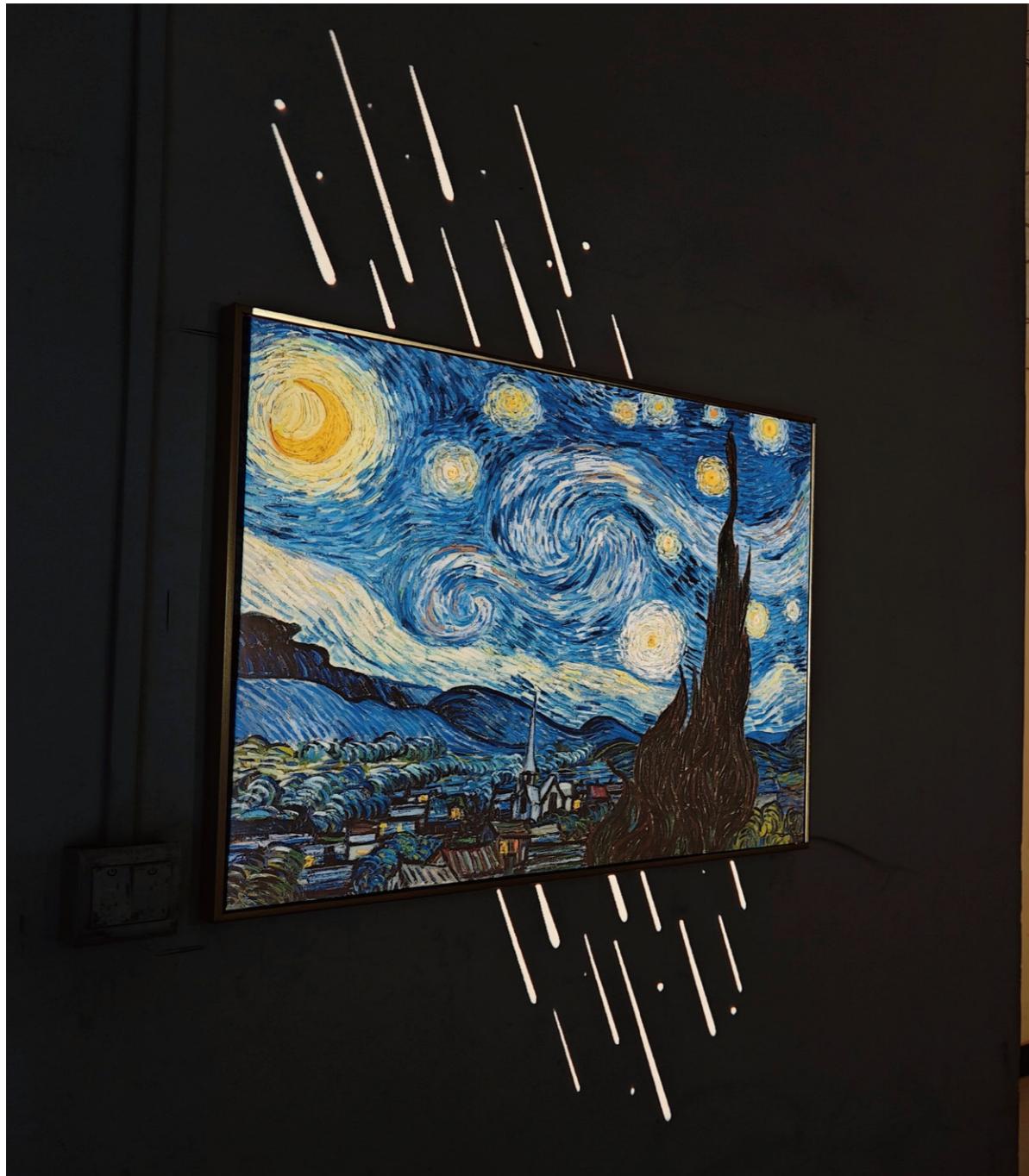
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To static space, this interplay of light and shadow breathes dynamic life.
Even within the same space, one's perception shifts across moments—thus
we say: Only illumination can endow architecture with a soul.



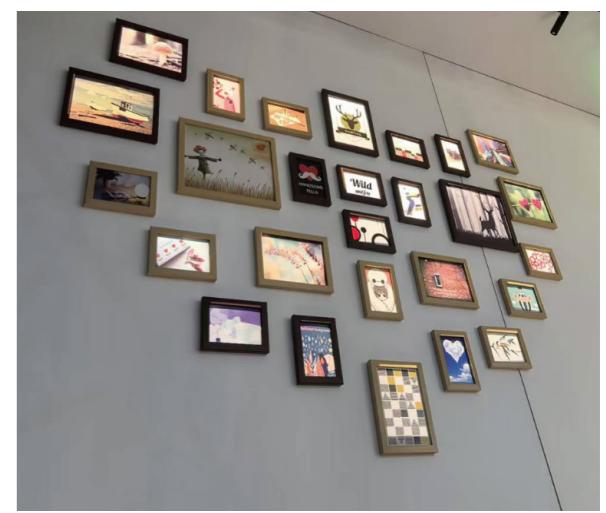
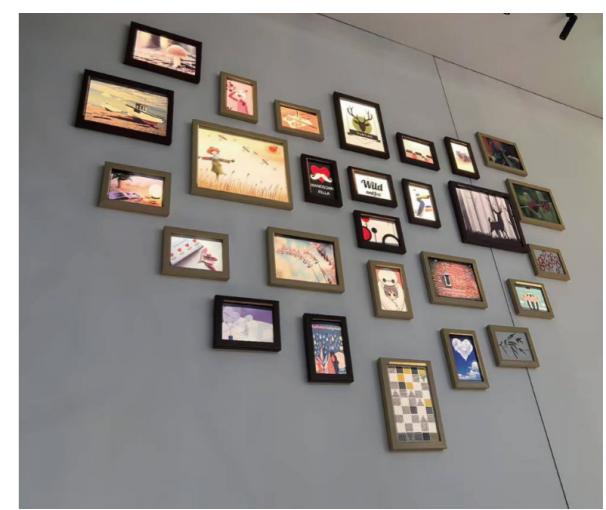
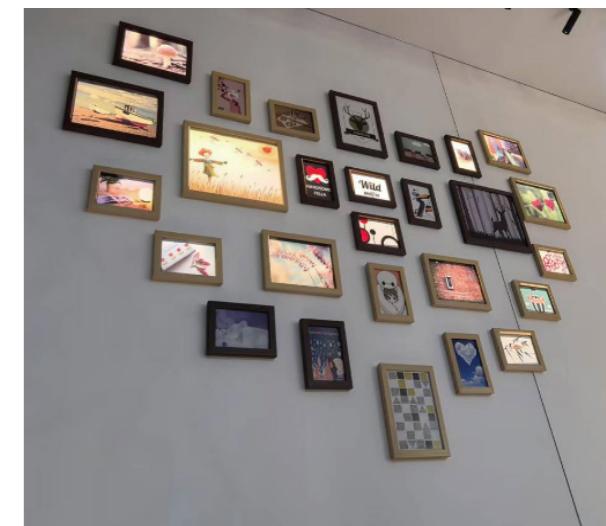
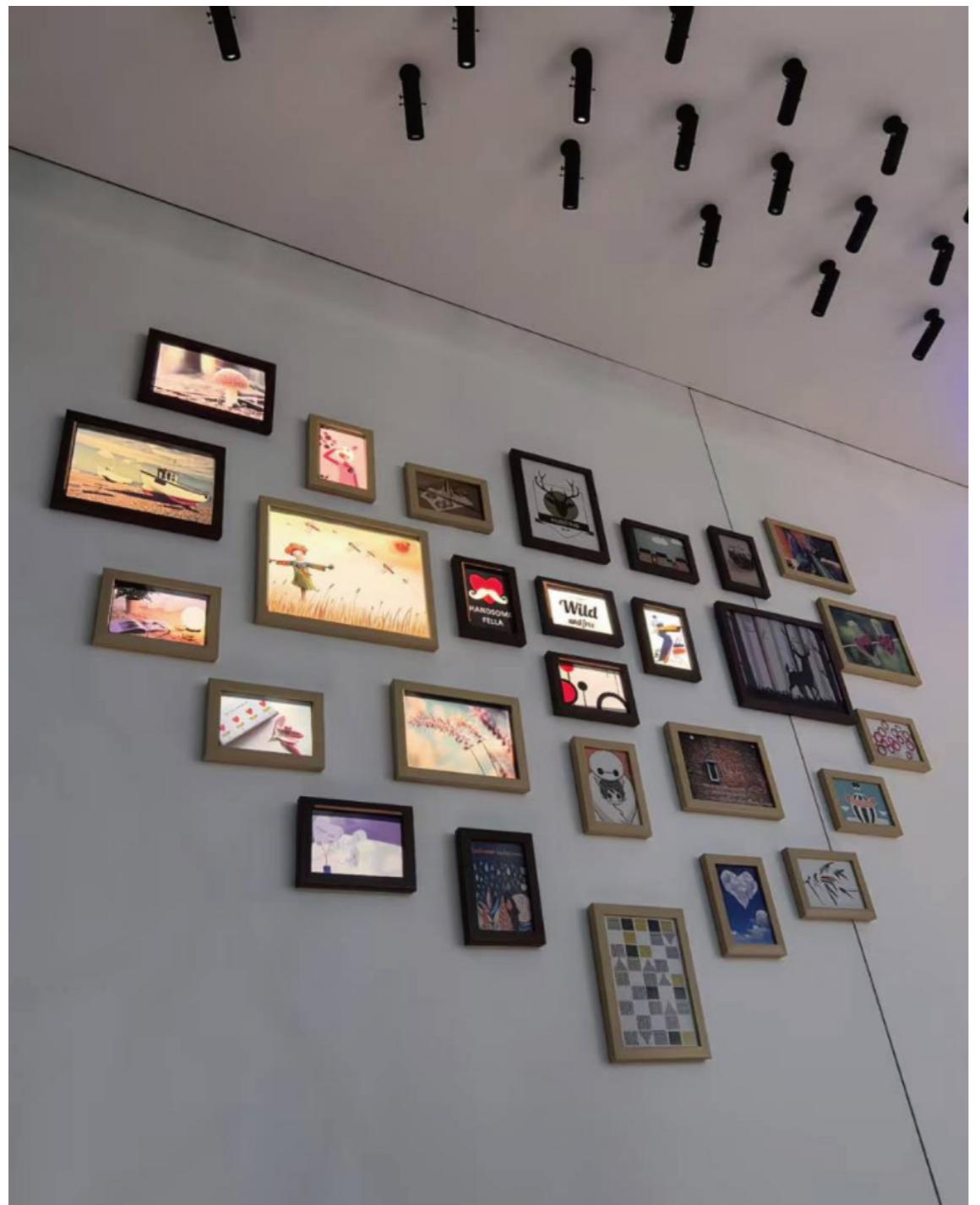
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《星月夜》是后印象派画家梵·高的代表作之一。在这幅画中，梵·高用夸张的手法，生动地描绘了充满运动和变化的星空。夜晚的天空高又远，大星、小星回旋于夜空，金黄的满月形成巨大的漩涡，星云的短线条纠结、盘旋，仿佛让人们看见时光的流逝。暗绿褐色的柏树像巨大的火焰，是星夜狂欢的响应者。天空下，安睡的村庄那么宁静、安详。淡蓝的色调，动感的线条，给人自由的时空感。

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The night gave us eyes of darkness, yet we wield them in pursuit of light.
What our eyes perceive transcends mere brightness—it is the spiritual
meaning cast by light and shadow.



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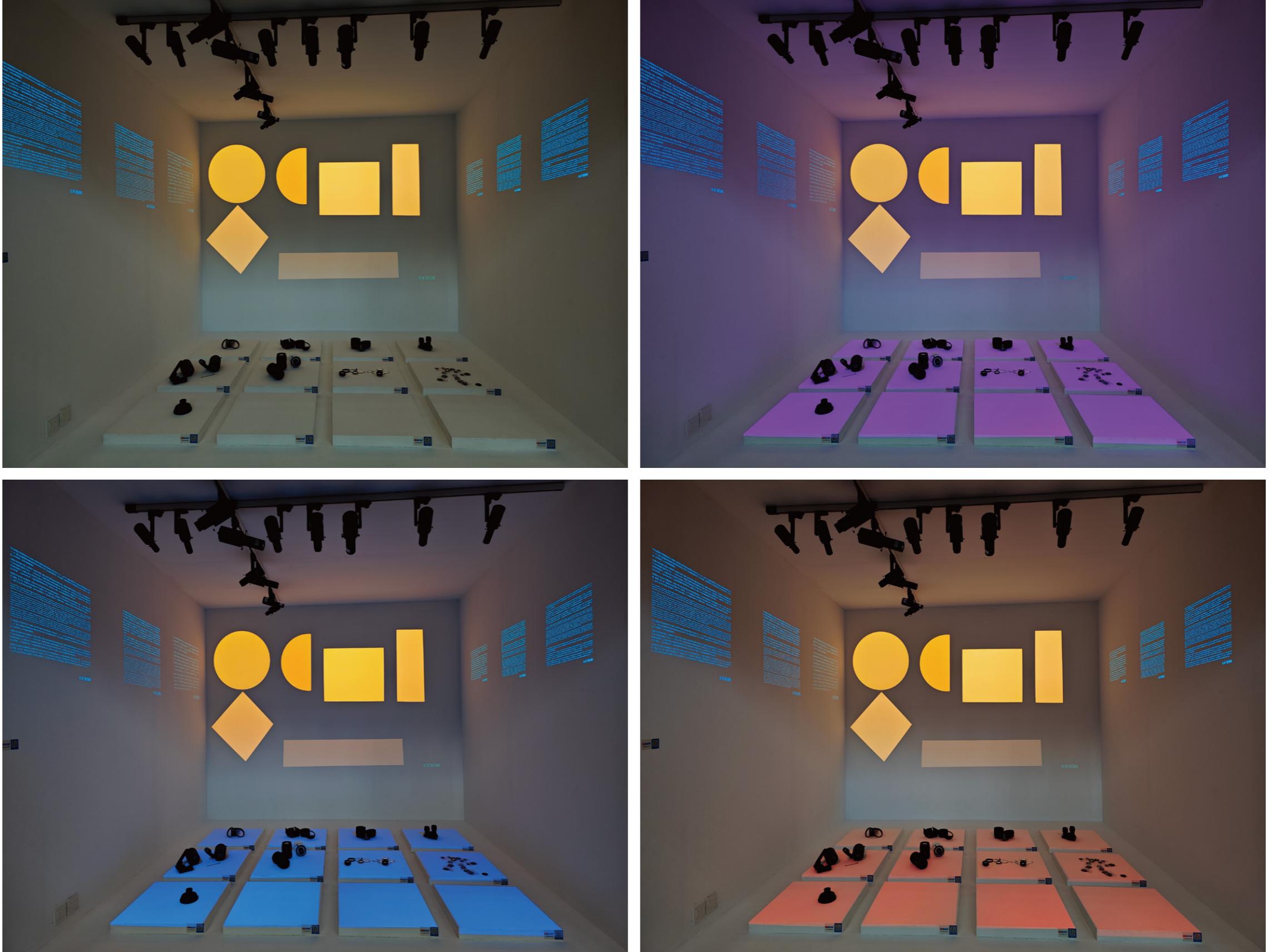
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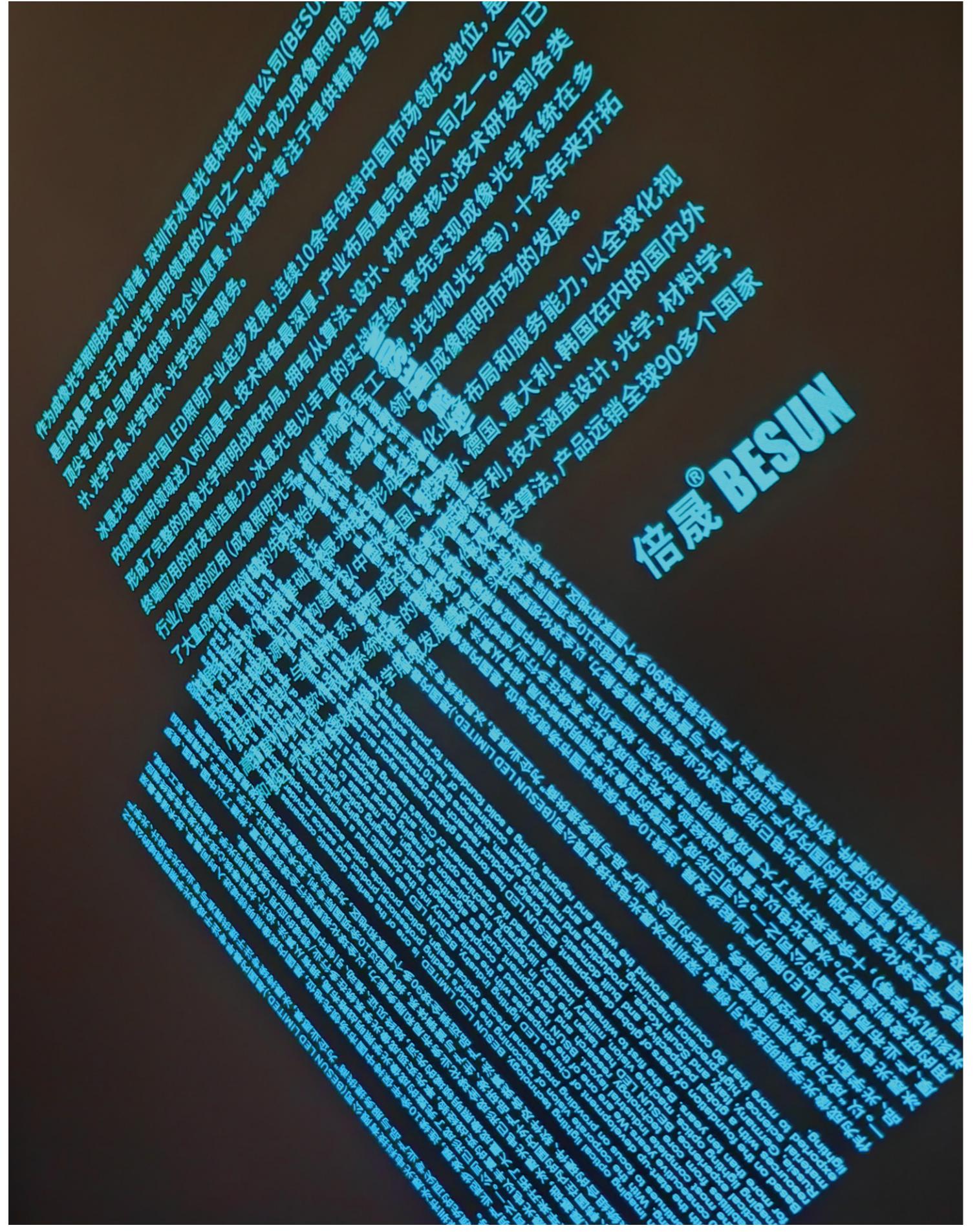
There is never just one lighting design solution—the possibilities in design are infinite. Each approach reflects distinct zeitgeists, cultural contexts, abstract concepts, and even the unique imprint of the designer. Within this boundless potential, we seek the most resonant language of light.

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We instinctively perceive circular forms as natural, organic, fluid, and soft, while associating angular or square shapes with technicality, rationality, data-driven precision, and rigidity. Light—especially direct illumination—reveals the material composition and surface textures of objects, communicating their colors, forms, and spatial relationships. Now, let us reconsider lighting spaces through the dual lens of circularity and angularity: the geometry of luminous forms, the arrangement of objects, and their dialogue with the surrounding architecture.





黑夜给了我们黑色的眼睛，我们却用它寻找光明。我们的眼睛看到的不仅是光的多寡，还有明暗赋予人的精神含义。当设计师在规划建筑空间给人的感受时，不仅要考虑建筑本身的宽窄高低、迂回通透，还要思考在不同时间段建筑物内外光影的变化。因为对于静止的空间来说，这种光影的变化赋予空间以动态的生命。所以，即便身处同一个空间，人在不同时间段对于空间的感受却是不同的，所以我们常说：唯有照明才能赋予建筑以灵魂。

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光对人类生活和文化的影响是全方位的，从物理层面来说，没有光就没有生物的光合作用，没有光合作用世界将一片荒芜。从精神层面来说，人类对于光的热爱源远流长，光赋予我们很多美好的感受，文学、影视、雕塑作品中，成为人类宝贵的精神财富。如果光可以用语言表达，那么唯一的可能是讲故事者本身的力量。

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我们倾向于将圆形的东西认为是自然、有机、圆润和柔美的，而将方形的或者角状的东西认为是技术性的、理性、数化的甚至是冷的。光，特别是射光，展示了“物”的材质构成和视觉状态，传达物体的色彩、形状等信息，让我们从几何和视觉的角度来感受空间的效果。物体的得失和空间的得失。

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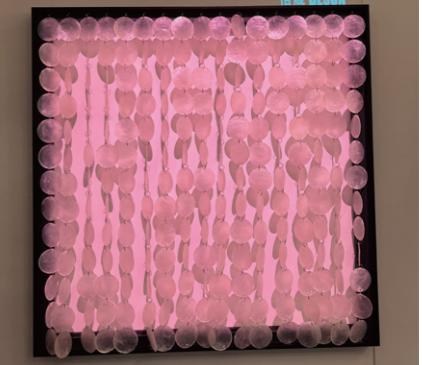
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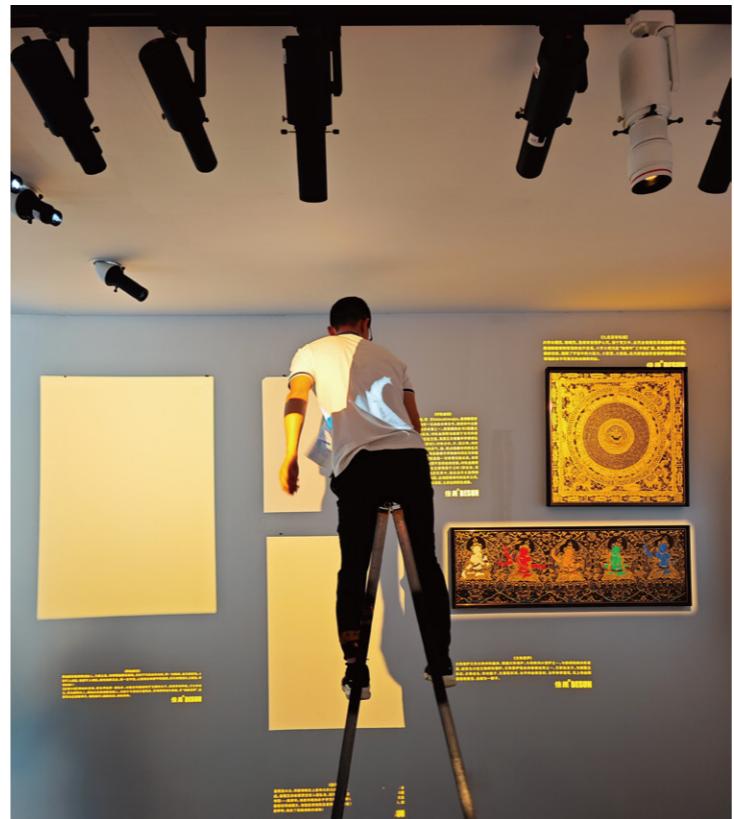
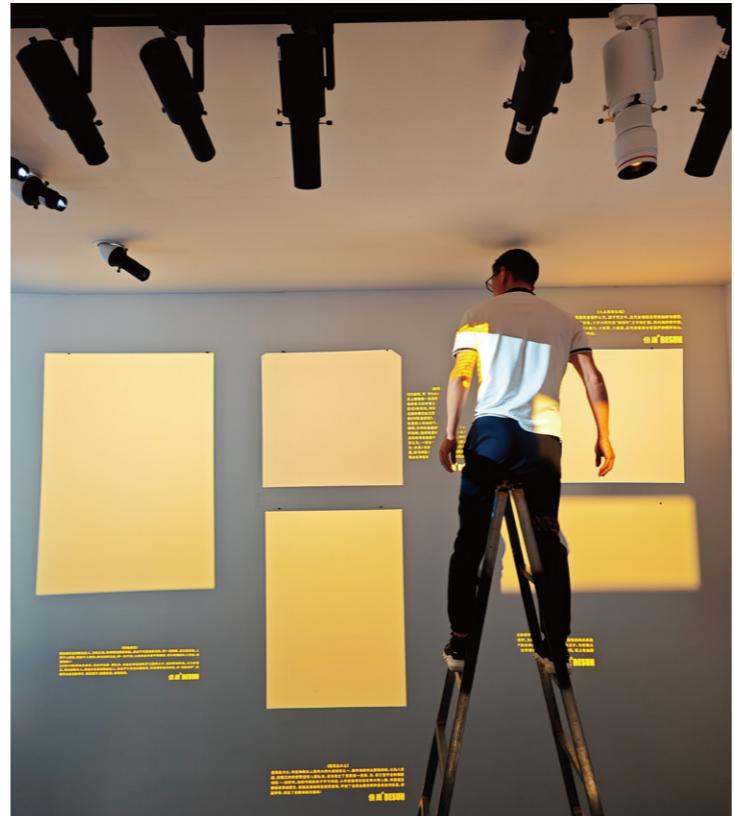


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Not just Expertise. It's love. It's madness.

Night evokes both delight and unease—a duality woven into darkness itself. On one hand, the inability to discern surroundings and potential hazards breeds discomfort through uncertainty. On the other, the scattered glimmers in the void conjure mystery while gifting us quiet joy.

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KP Series Optical Lenses: Redefining Professional Boundaries with the Triple Extreme Principles.

"This isn't iteration — it's optical engineers' reinvention of zoom lenses. When every lens group's movement is precisely choreographed by differential equations, when every light ray bows to rigid-body kinematics constraints, zoom ceases to be an art of compromise. This is the pure conquest of optical engineering."



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KP Series Optical Lenses: Redefining Professional Boundaries with the Triple Extreme Principles.

When "Extreme Performance, Minimalist Design, and Ultra-Compactness" Converge in a Palm-Sized Lens, We Redefine What Professional Optics Can Be.



倍晟® BESUN® 2025

DQ/XQ II Series Optical lenses : Rewriting the Laws
of Light · Shadow · Image with Extreme Data.

Zooming should not be an equivalent exchange of image quality but an
optical magic of space-time folding. Each DQ/XQ optical lens is a violent
breakthrough of physical limits and the ultimate symbiosis of mechani-
cal aesthetics and computational optics.



倍晟® BESUN® 2025

DQ/XQ II Series Optical lenses : Rewriting the Laws
of Light · Shadow · Image with Extreme Data.

When mediocre parameters become an industry hotbed, we choose to
recalibrate the optical scale with nanoscale paranoia and reckless madness
at any cost.



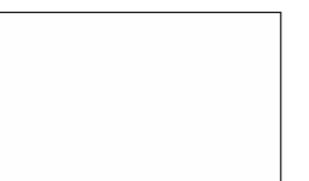
倍晟[®] BESUN[®] 2025

When color speaks in the dialect of attitude, we paint the soul's manifesto onto every product.

BESUN Launches [Pantone] International Color Standard Customization, paint Your Product's Unique Visual DNA with 1,800+ Pantone Colors. No more "close enough" aesthetics; from classic metallics and neon brights to the Color of the Year, we break the monotony of mass production.



RAL 9004



RAL 9003

倍晟[®] BESUN[®] 2025

When color speaks in the dialect of attitude, we paint the soul's manifesto onto every product.

"Color is the silent marketer—the first soliloquy of your product." At [BESUN], we harness industrial-grade chromatic precision to transform every Pantone hue into a super-signifier for your brand—crafting a visual DNA as unique as your product itself.



倍晟[®] BESUN[®] 2025

"The LEGO Revolution in Optics" — Ushering in a new era of modular lens customization, where every photon marches to your command.



"The LEGO Revolution in Optics" — Ushering in a new era of modular lens customization, where every photon marches to your command.

When standardized lenses become shackles for creativity, we redefine optical freedom with modular photomechanical systems.



Filters:

Choose from diverse filters or customize your own—filters to your unique vision to suit your lighting needs.

Standard offerings include color filters, UV filters, diffusion filters and CCT-adjustable filters. Custom filters are also available to meet your specific requirements.



Imaging optical lens:

Choose from the standard lens configurations below, or request custom-engineered solutions to meet specific performance criteria.

Fixed focus Lens include: 6°, 8°, 10°, 42°, 55°, 72°, 90°
Zoom Lens include: 12-32°, 13-28°, 15-36°, 15-40°



Diaphragm Devices:

Choose from our standard aperture assemblies, or order custom designed diaphragms for specialized applications.

- Available diaphragm types:
- Built-in 4-blade GOBO diaphragm
- Embedded 4-blade GOBO diaphragm
- Embedded linear-slide diaphragm



Collimation Systems:

Choose from standard collimation system configurations below, or request custom-engineered solutions to meet specific performance criteria.

Available white light collimation: Ø2.6/5mm、Ø3.5/10mm、Ø6.5/10mm、Ø5/15mm、Ø7/20mm、Ø10.5/20mm、Ø9/25mm、Ø13.5/25mm;

Full-color (COB RGBW) collimation: Ø11/25mm.



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Color · Protection · Performance — The Tri-Filter Ecosystem Redefining Photonic Possibilities.

The Full-Scenario Filter Matrix is now live, providing "Optical Swiss Army Knife" for Creative Imaging & Industrial Inspection.

Standard offerings include color filters, UV filters, diffusion filters and CCT-adjustable filters. Custom filters are also available to meet your specific requirements.



Pink



Light Green



Sky Blue



Red



Orange



Yellow



Green



Cyan



Blue



Purple



Dark Orange

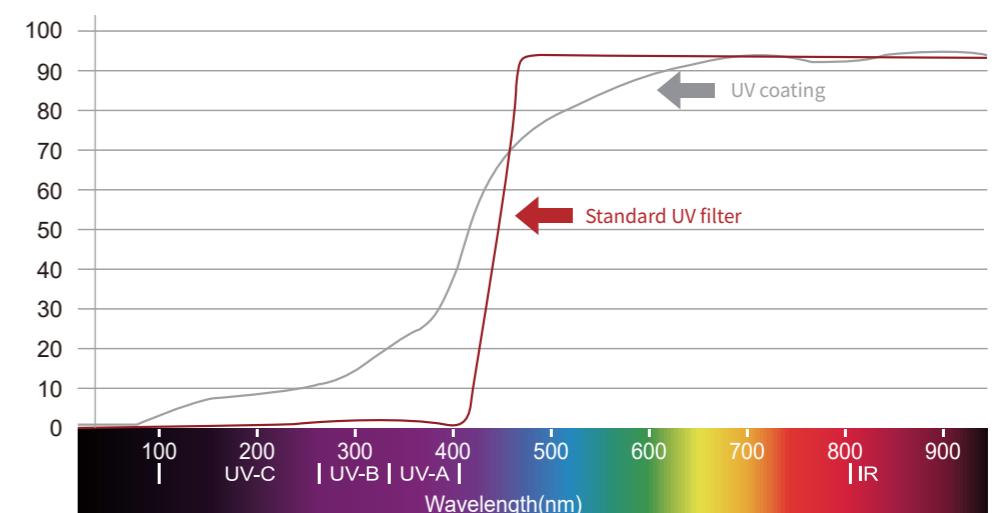


Dark Yellow



Dark Blue

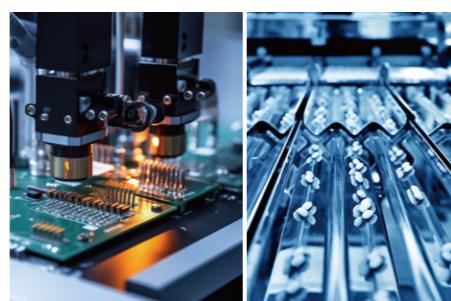
UV filter spectrum



Color filters: can change the light color of the lamp according to your needs.



UV filters: effectively block harmful UV radiation from LED lighting systems to protect illuminated objects. Particularly ideal for cultural relic illumination and silk fabric lighting applications.



Custom Optical Filters: Tailored to your specific wavelength requirements for specialized applications including: Wafer dicing filters (200-400nm), High-precision PCB photolithography filters (365-405nm), Pharmaceutical optical sorting filters (500-800nm), etc.

Other accessories



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"The Optical Master Key" — Unleashing cross-era lens compatibility, redefining lightpath interface standards.

While traditional optical lenses and fixtures remain trapped in the battle of incompatible mounts, we declare war on compatibility tyranny with our A/B/C/E-Mount Revolution. Now, every lens unleashes 100% optical potential - on any platform.



Type A



Type B



Type C



Type E



Type-A Connector (default standard). You can extract critical dimensions from the official 3D model to design custom connector as illustrated. Attach the connector to the lens, install the thermal module, then secure the assembly with screws. Tighten screws to lock lens position, loosen screws to enable 360° rotation or lens replacement.

Designed for DQ/XQ series optical lens, accommodates large lens-to-heatsink size disparities, quick-connect mechanism with optional primary safety lock.

Design Limitations: Increased part count, Unsecured rotation when loosened – Potential drop hazard.
Critical tolerance: recommended diameter fit <0.05mm.

Type-C Connector (Lens-Integrated Quick Mount). You can extract critical dimensions from the official 3D model, drill alignment holes on the heatsink using extracted data, secure with screws to complete installation. Tighten screws to lock lens position, loosen screws to enable 360° rotation or lens replacement.

Designed for KP series optical lens and ideal for minimal lens-to-heatsink diameter variance, quick-connect system with Tool-free operation and Optional primary safety lock.

Design Limitations: Unsecured rotation when loosened – Potential drop hazard.
Critical tolerance: recommended diameter fit <0.05mm

Type-B Connector (Dual-Safety Damping System). You can extract critical dimensions from the official 3D model, drill dual alignment holes on the heatsink per specifications, then secure with screw + safety latch to complete installation. Tighten screws to lock lens position, loosen screws to enable 360° rotation or lens replacement.

Designed for KP series optical lens and ideal for minimal lens-to-heatsink diameter variance, Simple & intuitive tool-free operation, butterfly-smooth rotation with dual safety locks, zero drop risk.

Design Limitations: Lens disassembly/replacement requires complex procedures.
Critical tolerance: recommended diameter fit <0.05mm.

Type-E Connector (DSLR-style Bayonet Mount) — integrated mechanical bayonet on lens barrel. Matches corresponding heatsink mount, one-click engagement to secure lens by rotation. Press-release mechanism to enable 360° rotation or lens swap.

Suitable for all types of lenses and any size of heat sinks, the connecting device is high-end, convenient, silky-smooth rotation, high precision fit, multi-safety, no risk of falling.

**BESUN 2025 Optical Lenses — Not just Expertise.
It's love. It's madness.**

BESUN 2025 Optical Breakthroughs: Bidirectional stepless zoom, nonlinear coupled zoom, extreme miniaturization, extreme efficiency, extreme effect, four-edge uniform sharpness, adaptive optical cleanliness, full-size projection, modified double-Gauss architecture, internal focusing/rear focusing, liquid lens, smart dimming glass, metasurface glass, plasma metamaterial.

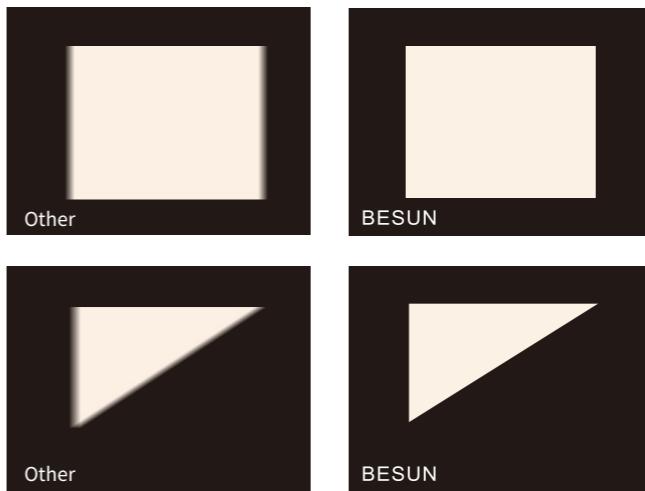


Bidirectional Stepless Zoom

The Core Value of Bi-Directional Continuous Zoom lies in the fusion of mechanical artistry and computational optics, creating folded lightpaths that represent the ultimate symbiosis of precision engineering and photonic control.

The deep integration of mechanical precision and optical intelligence enables bi-directional linear/non-linear continuous zoom, achieving significant focal displacement within compact travel distance. This breakthrough allows variable zoom lengths at different focal ranges, fundamentally differentiating from conventional zoom mechanisms.

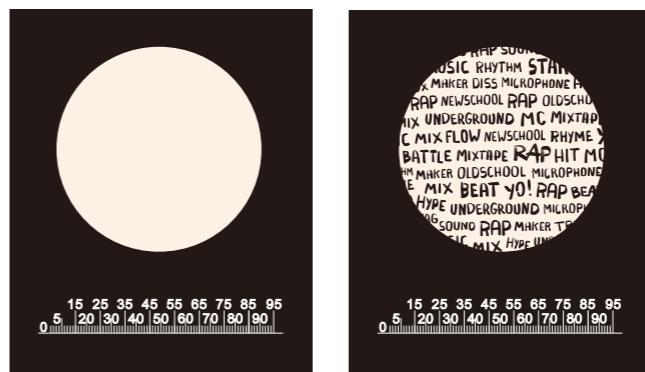
BESUN DQ/XQ Series lens



Four-Edge Uniform Sharpness

Four-Edge Uniform Sharpness as a BESUN-proprietary innovation integrated into all BESUN lenses, this exclusive technology sets our optics apart from conventional designs. Key Advantages: delivers identical edge sharpness on all four sides of square light spots and maintains consistent performance when adapted to triangular spots.

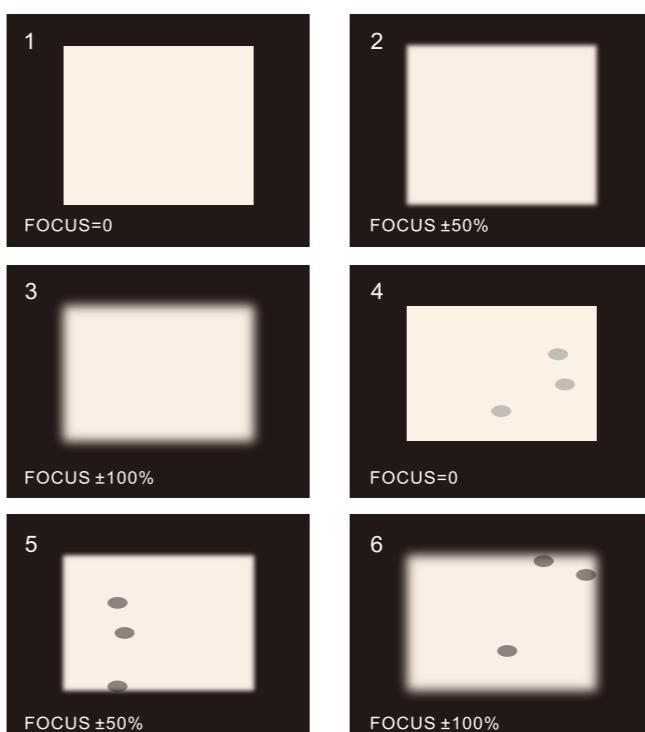
BESUN ALL Optical lenses



Full-Size Projection

We refer to optical lenses with a spot diameter equal to the diameter of the projected content as full-size projection lenses, whether zoom or fixed. Both BESUN's KP series and DQ/XQ II series possess this characteristic, distinguishing them from other similar products on the market.

Lenses with full-size projection capability allow the required projection size (where the projected image diameter equals the beam angle diameter) to be simulated and calculated via lighting software. Since full-size projection does not physically reduce the light-passing aperture, it ensures that all light energy passes through the lens in an orderly manner. This avoids the issue of abnormal heat buildup caused by energy accumulation due to a physically restricted aperture (as seen in non-full-size projection).



Adaptive Optic Cleanliness

Here, "optical cleanliness" does not refer to the physical cleanliness of the projector lens, but rather to the cleanliness of the light beam formed by the lens. As is well known, whether in a zoom or fixed optical system, the light spot will inevitably exhibit one of the three states (1, 2 or 3) during the focusing process. However, due to inherent optical design flaws in some lenses, airborne dust particles can be projected onto the light spot, as shown in Figures 4, 5 and 6. To address this issue, BESUN has established a proprietary optical cleanliness parameter for its self-developed lenses, ensuring superior beam clarity and minimizing unwanted artifacts.

Optical Cleanliness I: In practical use, the light spot remains dust-free in all three states (1, 2, and 3). Representative models : DQ/XQ II Series and KP Series

Optical Cleanliness II: During operation, the light spot remains dust-free in both State 1 and State 2. Representative models: DQ/XQ I Series.

Optical Cleanliness III: During operation, only State 1 maintains a dust-free light spot. Representative models: GZ Series.

During prolonged operation, the system maintains Optical Cleanliness Class I without manual intervention. We define such performance as Adaptive Optical Cleanliness.



倍晟[®] BESUN[®] 2025 DQ/XQ I Series Lens

The DQ/XQ I Series optical lenses are defined by: intense visual impact, extreme optical performance, cost-no-object innovation, timeless classic design, full focal-length coverage and unified family styling.

The DQ/XQ I Series is equipped with telephoto, medium and short focal lengths, and the same size lens with different focal lengths can be switched seamlessly to meet the application of almost most of the scenarios.

With extreme optical parameters, the DQ/XQ series achieves a theoretically improbable light efficiency of up to 55%. Excluding other factors, this lens could even serve as a standard lighting device!





DQ/XQ I Series Lens — 4525

Specifications

Model	4525
Focal Length (f)	35-55mm
Aperture (F#)	F1.8
Beam Angle (θ)	15°-25°
Projection Ratio:	4:1/2.3:1
Optical Distortion (%)	2.0
Uniformity (%)	90%
Resolution (lp/mm)	5lp/mm
Light Efficiency (%)	45%
Working Distance (H)	1.5m-8m
GOBO Device	Built-in
Image Surface Diameter (D)	15mm
Lens Structure	6/8
Optical Cleanliness Grade	II

Features

Four-Edge Uniform Sharpness
Bidirectional Continuous Zoom



4525



Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



Optical Architecture

We respect the laws of physics, yet refuse to be confined by conventional architectures — when every lens curvature is derived from the photon trajectory of COB LEDs, when every coating thickness aligns with the penetration phase of specific wavelengths, that is the true symbiosis of optical design and light sources.

BESUN's self-developed COB LED optical architecture delivers high CRI and superior efficiency, enabling every framing led projectors to seamlessly integrate with mainstream control systems on the market—including Lutron, ABB, DMX, DALI, TRIAC DIM, 2.4G Bluetooth/Tuya, Casambi,etc.

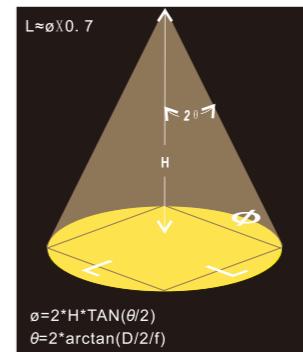
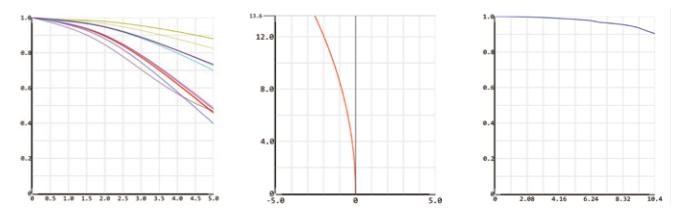
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



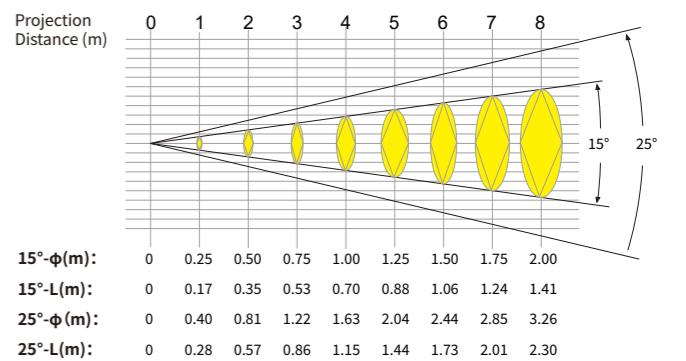
Optical Performance

Fixed focus is the DNA of optics, zoom is its language, and ultra-short throw creates its dimensions—while we are coding the very source of optical civilization.

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Beam Parameters





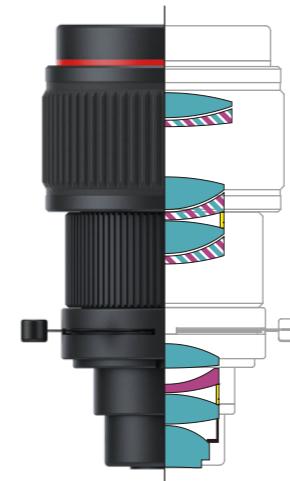
DQ/XQ I Series Lens — 4536

Specifications

Model	4536
Focal Length (f)	24-40mm
Aperture (F#)	F1.8
Beam Angle (θ)	20°-36°
Projection Ratio:	3-1.5:1
Optical Distortion (%)	2.8
Uniformity (%)	85%
Resolution (lp/mm)	3lp/mm
Light Efficiency (%)	45%
Working Distance (H)	1.5m-8m
GOBO Device	Built-in
Image Surface Diameter (D)	15mm
Lens Structure	7/10
Optical Cleanliness Grade	II

Features

- Four-Edge Uniform Sharpness
- Bidirectional Continuous Zoom



Optical Architecture

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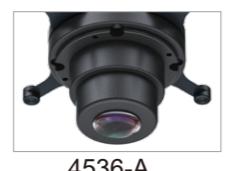
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- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



Basic Functions

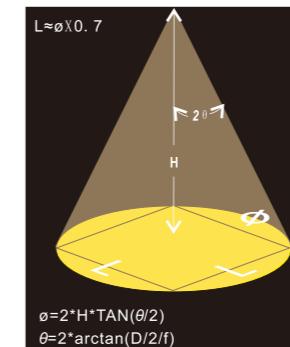
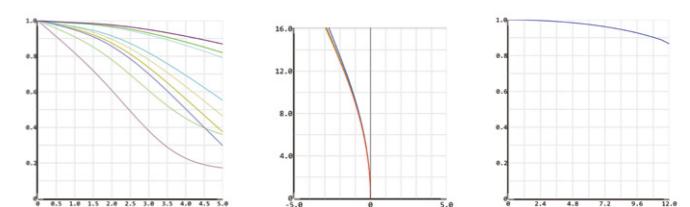
- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



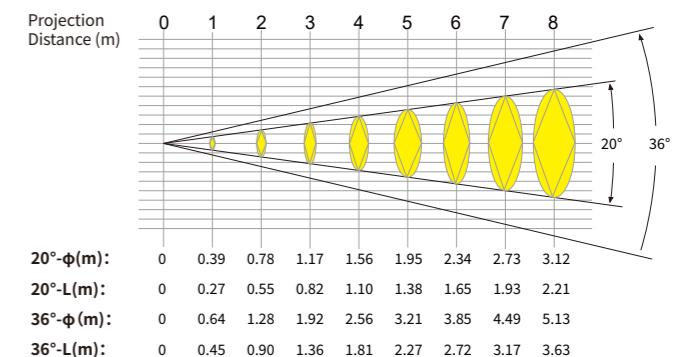
Optical Performance

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Beam Parameters





DQ/XQ I Series Lens — 4555

Specifications

Model	4555
Focal Length (f)	15mm
Aperture (F/#)	F2.0
Beam Angle (θ)	55°
Projection Ratio:	1:1
Optical Distortion (%)	1.9
Uniformity (%)	85%
Resolution (lp/mm)	15lp/mm
Light Efficiency (%)	45%
Working Distance (H)	0.5m-3m
GOBO Device	Built-in
Image Surface Diameter (D)	15mm
Lens Structure	9/10
Optical Cleanliness Grade	I

Features

- Four-Edge Uniform Sharpness
- Full-Size Projection
- Adaptive Optive Cleanliness
- Bidirectional Continuous Focus

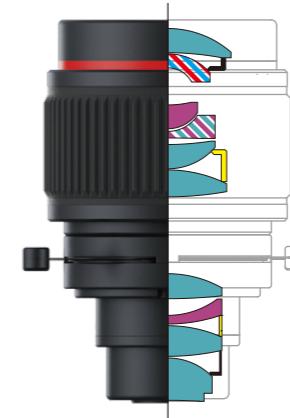


4555



Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



Optical Architecture

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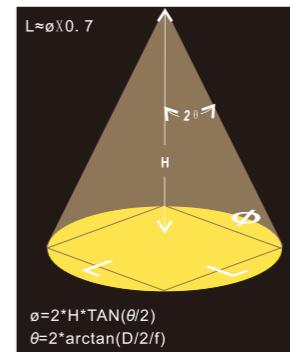
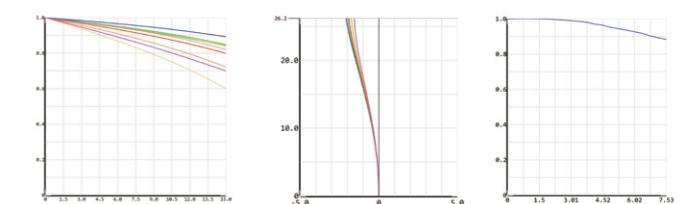
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



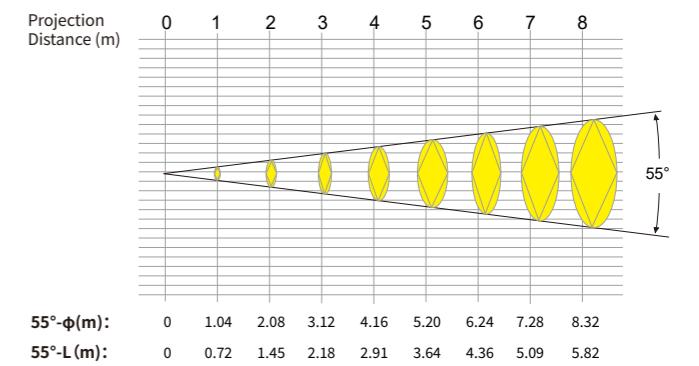
Optical Performance

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Beam Parameters





DQ/XQ I Series Lens — 7525

Specifications

Model	7525
Focal Length (f)	56-90mm
Aperture (F#)	F1.7
Beam Angle (θ)	15°-25°
Projection Ratio:	4:1/2.3:1
Optical Distortion (%)	2.2
Uniformity (%)	90%
Resolution (lp/mm)	5lp/mm
Light Efficiency (%)	55%
Working Distance (H)	2m-10m
GOBO Device	Built-in
Image Surface Diameter (D)	25mm
Lens Structure	6/8
Optical Cleanliness Grade	II

Features

- Four-Edge Uniform Sharpness
- Bidirectional Continuous Zoom
- Ultra-high Efficiency



7525



Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



Optical Architecture

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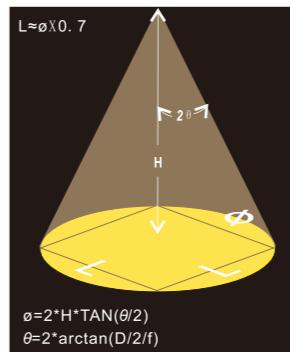
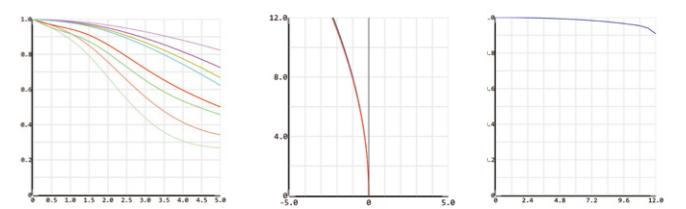
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



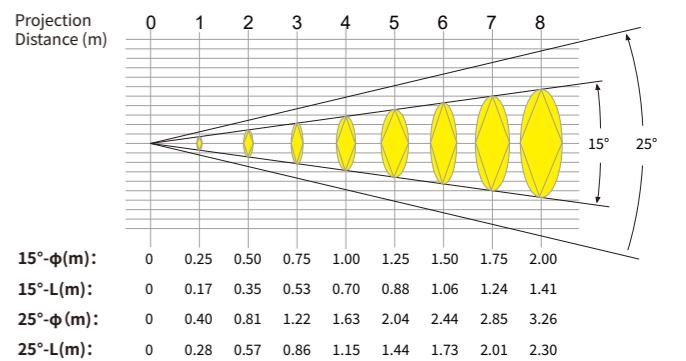
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Beam Parameters





DQ/XQ I Series Lens — 7536

Specifications

Model	7536
Focal Length (f)	38-87mm
Aperture (F#)	F1.7
Beam Angle (θ)	20°-36°
Projection Ratio:	3-1.5:1
Optical Distortion (%)	2.9
Uniformity (%)	85%
Resolution (lp/mm)	3lp/mm
Light Efficiency (%)	55%
Working Distance (H)	2m-10m
GOBO Device	Built-in
Image Surface Diameter (D)	25mm
Lens Structure	7/10
Optical Cleanliness Grade	II

Features

- Four-Edge Uniform Sharpness
- Bidirectional Continuous Zoom
- Ultra-high Efficiency

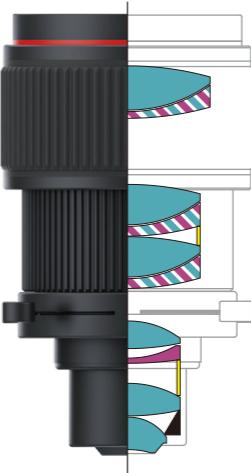


7536



Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



Optical Architecture

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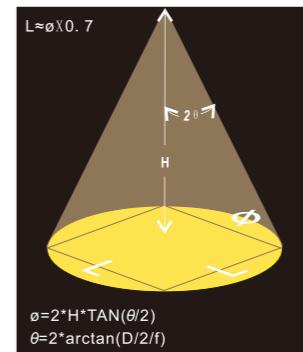
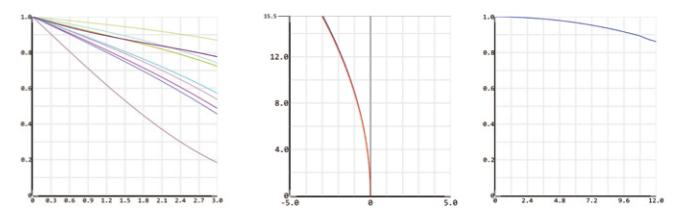
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



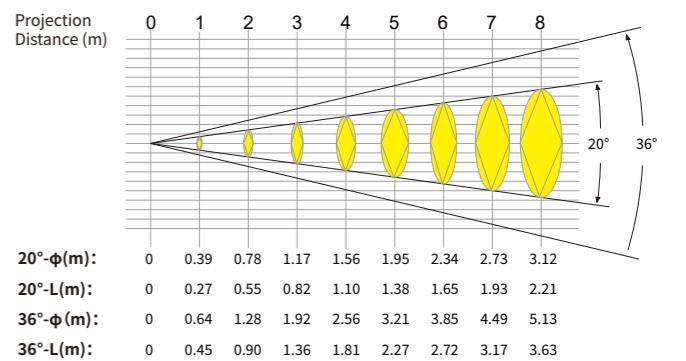
Optical Performance

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Beam Parameters





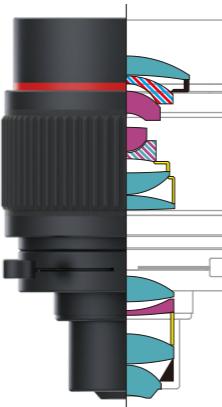
DQ/XQ I Series Lens — 7555

Specifications

Model	7555
Focal Length (f)	25mm
Aperture (F#)	F2.0
Beam Angle (θ)	55°
Projection Ratio:	1:1
Optical Distortion (%)	1.4
Uniformity (%)	80%
Resolution (lp/mm)	15lp/mm
Light Efficiency (%)	45%
Working Distance (H)	1m-5m
GOBO Device	Built-in
Image Surface Diameter (D)	25mm
Lens Structure	10/11
Optical Cleanliness Grade	I

Features

- Four-Edge Uniform Sharpness
- Bidirectional Continuous Focus
- Full-Size Projection
- Adaptive Optive Cleanliness



Optical Architecture

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- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping

7555



Basic Functions

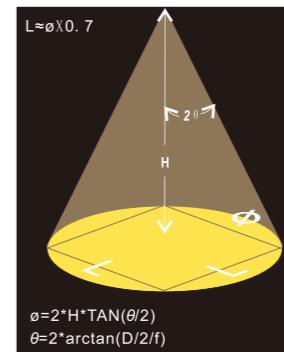
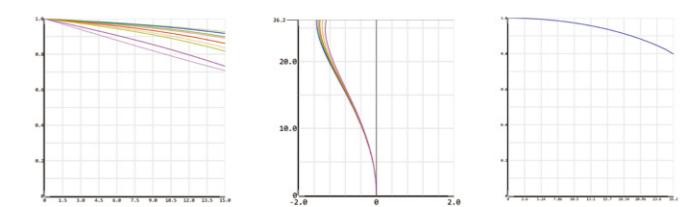
- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



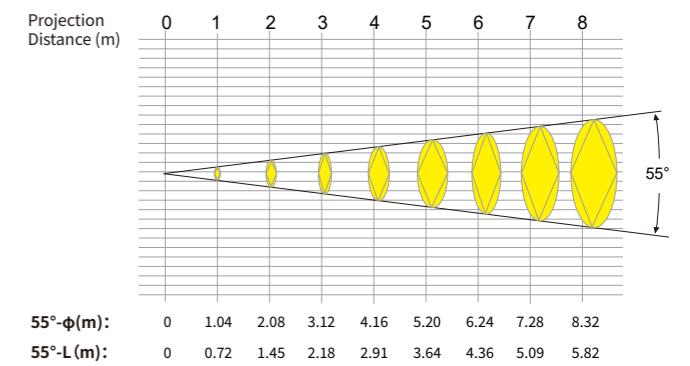
Optical Performance

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Beam Parameters



DQ/XQ II Series Optical lenses : Rewriting the Laws
of Light · Shadow · Image with Extreme Data

When mediocre parameters become an industry hotbed, we choose to
recalibrate the optical scale with nanoscale paranoia and reckless madness
at any cost.

DQ/XQ II Series Optical lenses: Rewriting the Laws
of Light · Shadow · Image with Extreme Data

Zooming should not be an equivalent exchange of image quality but an
optical magic of space-time folding. Each DQ/XQ optical lens is a violent
breakthrough of physical limits and the ultimate symbiosis of mechani-
cal aesthetics and computational optics.





DQ/XQ II Series Lens — 7510

Specifications

Model	7510
Focal Length (f)	142mm
Aperture (F#)	F2.9
Beam Angle (θ)	10°
Projection Ratio:	6:1
Optical Distortion (%)	0.9
Uniformity (%)	95%
Resolution (lp/mm)	15lp/mm
Light Efficiency (%)	48%
Working Distance (H)	2m-15m
GOBO Device	Built-in/External
Image Surface Diameter (D)	25mm
Lens Structure	10/11
Optical Cleanliness Grade	I

Features

Four-Edge Uniform Sharpness	Internal Focus
Full-Size Projection	
Ultra Long Focal Length	
Adaptive Optic Cleanliness	



Optical Architecture

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- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



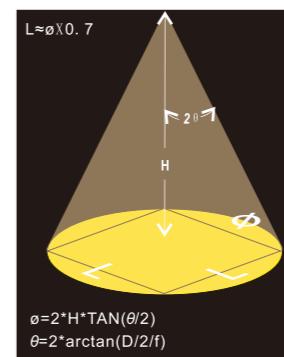
Physical Parameters

Housing Color	Black/White/Other
Filter Specs	M67*P0.75mm
GOBO Size	24.5mm/31.2mm
Lens Dimensions	75*165mm
Weight	820g
Mounting Connector	Type A/E
Recommended Light Source Emitting Surface	<9mm
EXW Price	\$492

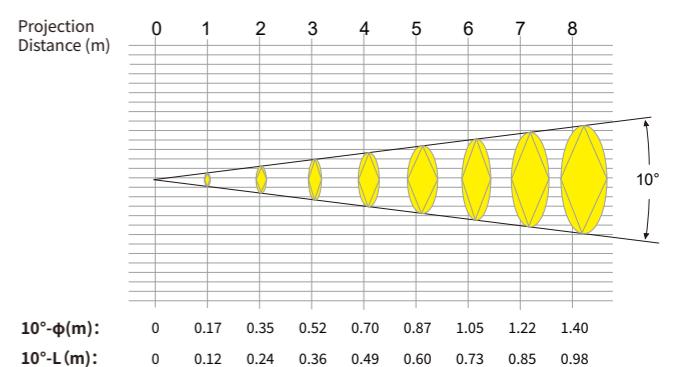


Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



Beam Parameters





DQ/XQ II Series Lens — 7540



Specifications

Model	7540
Focal Length (f)	35-90mm
Aperture (F/#)	F2.0
Beam Angle (θ)	15°-40°
Projection Ratio:	4-1.5:1
Optical Distortion (%)	0.5
Uniformity (%)	95%
Resolution (lp/mm)	15lp/mm
Light Efficiency (%)	48%
Working Distance (H)	2m-10m
GOBO Device	Built-in/External
Image Surface Diameter (D)	25mm
Lens Structure	9/11
Optical Cleanliness Grade	I

Features

Four-Edge Uniform Sharpness	High Ratio Zoom
Bidirectional Continuous Zoom	Internal Focus
Adaptive Optive Cleanlines	Rear Focus
Full-Size Projection	

Physical Parameters

Housing Color	Black/White/Other
Filter Specs	M67*P0.75mm
GOBO Size	24.5mm/31.2mm
Lens Dimensions	75*159mm
Weight	928g
Mounting Connector	Type A/E
Recommended Light Source Emitting Surface	<9mm
EXW Price	\$692

Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



Optical Architecture

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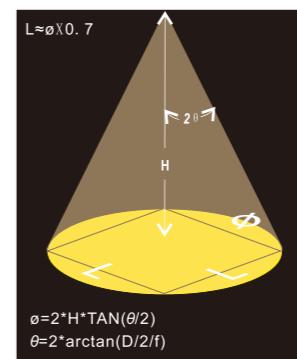
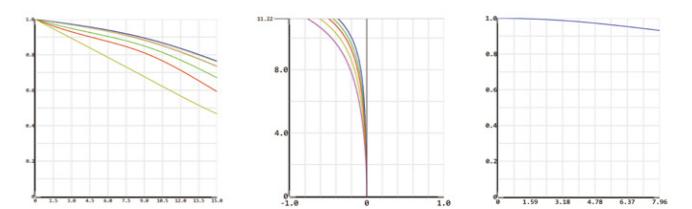
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



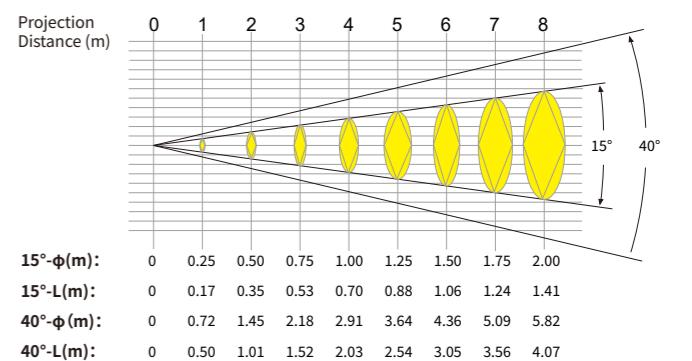
Optical Performance

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Beam Parameters





DQ/XQ II Series Lens — 7590



Specifications

Model	7590
Focal Length (f)	12.5mm
Aperture (F/#)	F2.5
Beam Angle (θ)	90°
Projection Ratio:	0.5:1
Optical Distortion (%)	1.4
Uniformity (%)	80%
Resolution (lp/mm)	15lp/mm
Light Efficiency (%)	48%
Working Distance (H)	0.5m-5m
GOBO Device	Built-in/External
Image Surface Diameter (D)	25mm
Lens Structure	12/14
Optical Cleanliness Grade	I

Features

Four-Edge Uniform Sharpness	Full-Size Projection
Bidirectional Continuous Focus	
Ultra Short Throw	
Adaptive Optive Cleanlines	

Physical Parameters

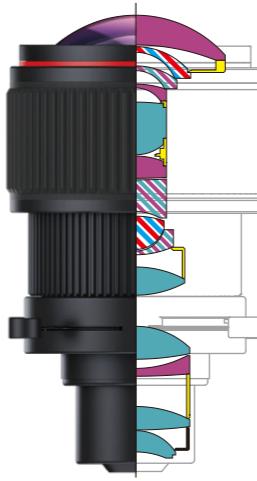
Housing Color	Black/White/Other
Filter Specs	M95*P0.75mm
GOBO Size	24.5mm/31.2mm
Lens Dimensions	75*136mm
Weight	764g
Mounting Connector	Type A/E
Recommended Light Source Emitting Surface	<9 mm
EXW Price	\$753

7590



Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



Optical Architecture

We respect the laws of physics, yet refuse to be confined by conventional architectures — when every lens curvature is derived from the photon trajectory of COB LEDs, when every coating thickness aligns with the penetration phase of specific wavelengths, that is the true symbiosis of optical design and light sources.

BESUN's self-developed COB LED optical architecture delivers high CRI and superior efficiency, enabling every framing led projectors to seamlessly integrate with mainstream control systems on the market—including Lutron, ABB, DMX, DALI, TRIAC DIM, 2.4G Bluetooth/Tuya, Casambi,etc.

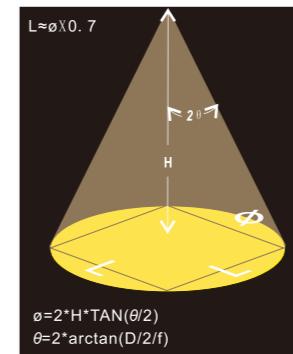
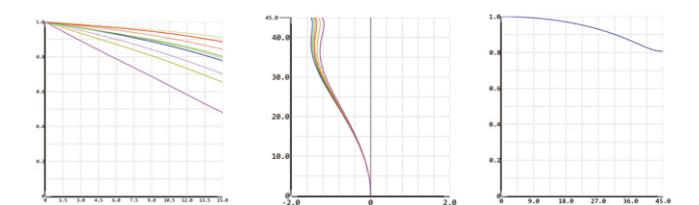
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



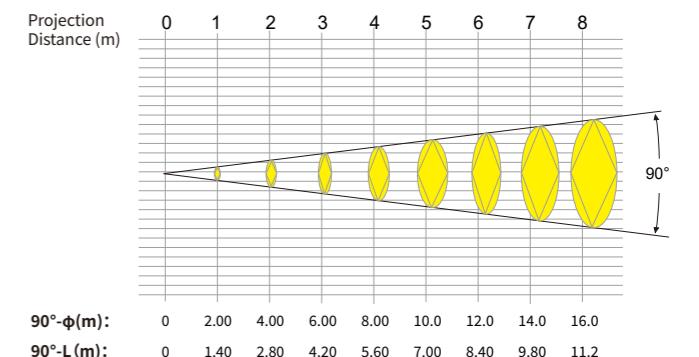
Optical Performance

Fixed focus is the DNA of optics, zoom is its language, and ultra-short throw creates its dimensions—while we are coding the very source of optical civilization.

BESUN's self-developed COB LED optical architecture is an optical system specifically engineered for COB LED light sources. Unlike optical systems designed for CMOS/DLP/LCD technologies, our system surpasses them by orders of magnitude in key parameters such as aperture, distortion, and uniformity.



Beam Parameters





倍晟® BESUN® 2025 DQ/XQ I, II series Framing Led Projector

DIP CCT + knob dimming design enables simultaneous beam cutting and individual lamp dimming/CCT control. It operates as a standalone solution or integrates seamlessly with other dimming systems.



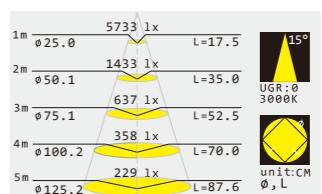
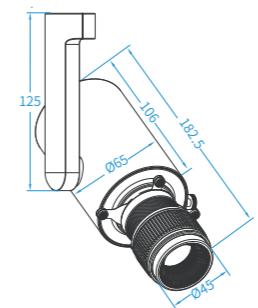
Control Methods



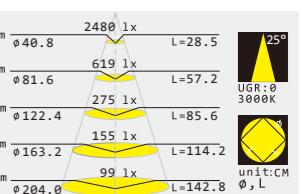
Model number reference



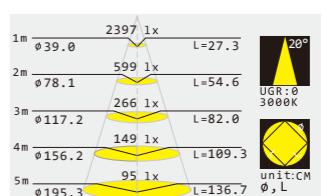
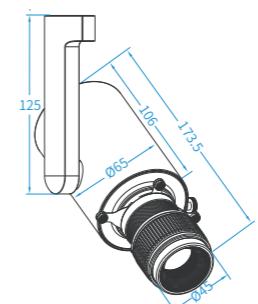
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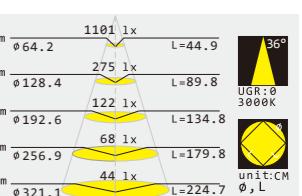
Model	T1008S-4525SE
Power	10W
Luminous flux	300-350LM
Beam Angle	15° - 25°
Optical lens	6/8 PCS



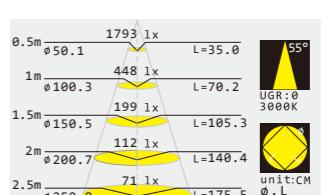
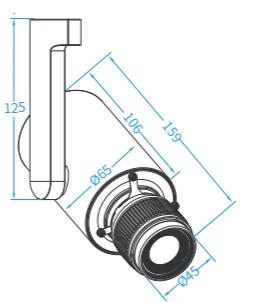
Ra	RA≥97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	0.67KG
EXW Price	\$393



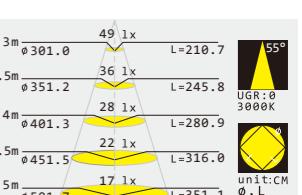
Model	T1008S-4536SE
Power	10W
Luminous flux	300-350LM
Beam Angle	20° - 36°
Optical lens	7/10 PCS



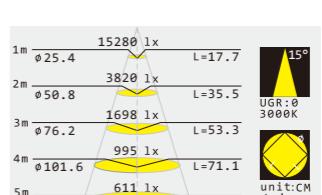
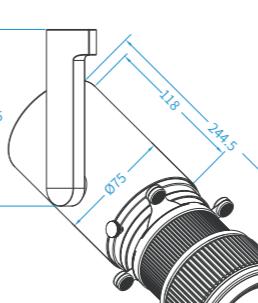
Ra	RA≥97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	0.68KG
EXW Price	\$393

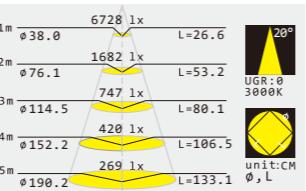
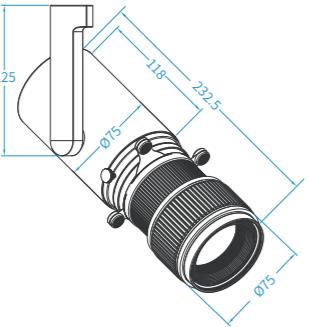


Model	T1008I-4555
Power	10W
Luminous flux	300-350LM
Beam Angle	55°
Optical lens	9/10 PCS

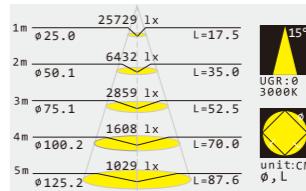
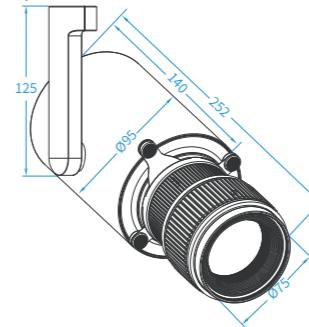
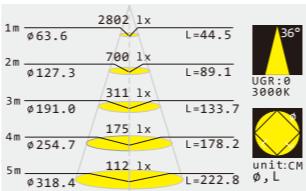


Ra	RA≥97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	0.67KG
EXW Price	\$406

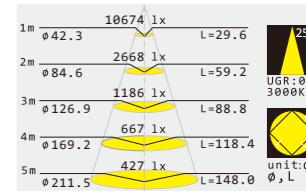




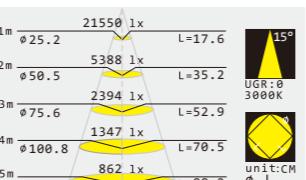
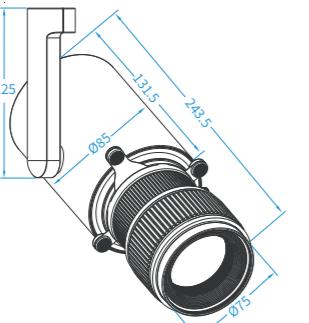
Model	T2008S-7536SE
Power	20W
CCT	2700k/3000k/4000k
Luminous flux	900-950LM
Housing Color	Black/White/Other
Beam Angle	20°- 36°
N.W.	1.43KG
Optical lens	7/10 PCS
EXW Price	\$523



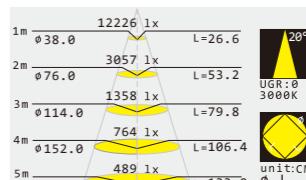
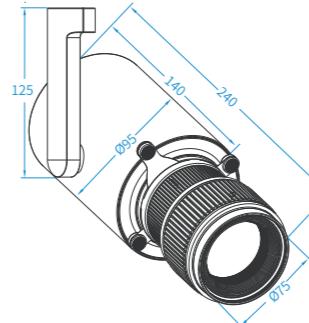
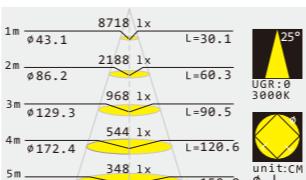
Model	T4008S-7525SE
Power	37W
CCT	2700k/3000k/4000k
Luminous flux	1400-1550LM
Housing Color	Black/White/Other
Beam Angle	15°- 25°
N.W.	1.67KG
Optical lens	6/8 PCS
EXW Price	\$584



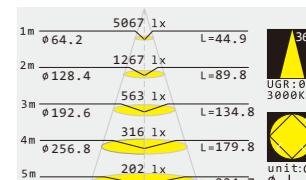
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CCT	2700k/3000k/4000k
Luminous flux	1400-1550LM
Housing Color	Black/White/Other
Beam Angle	15°- 25°
N.W.	1.67KG
Optical lens	6/8 PCS
EXW Price	\$584



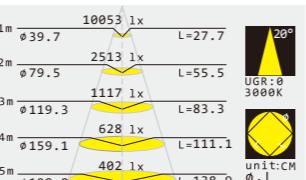
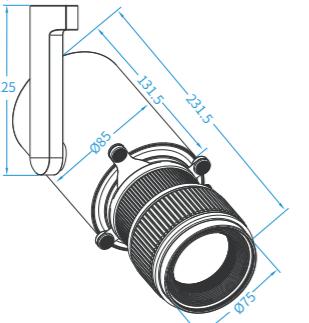
Model	T3008S-7525SE
Power	28W
CCT	2700k/3000k/4000k
Luminous flux	1100-1300LM
Housing Color	Black/White/Other
Beam Angle	15°- 25°
N.W.	1.58KG
Optical lens	6/8 PCS
EXW Price	\$553



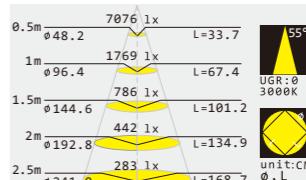
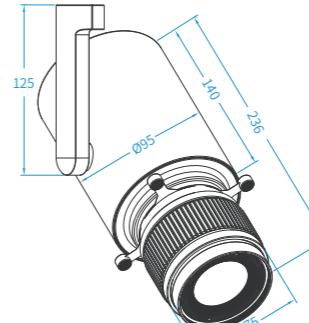
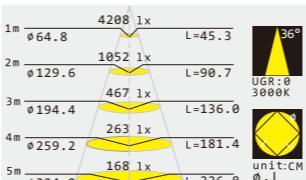
Model	T4008S-7536SE
Power	37W
CCT	2700k/3000k/4000k
Luminous flux	1400-1550LM
Housing Color	Black/White/Other
Beam Angle	20°- 36°
N.W.	1.67KG
Optical lens	7/10 PCS
EXW Price	\$584



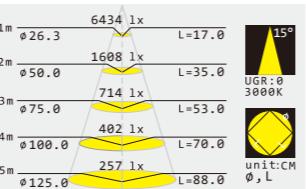
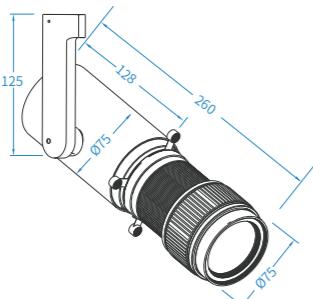
Ra	RA≥97
CCT	2700k/3000k/4000k
Luminous flux	1400-1550LM
Housing Color	Black/White/Other
Beam Angle	20°- 36°
N.W.	1.67KG
Optical lens	7/10 PCS
EXW Price	\$584



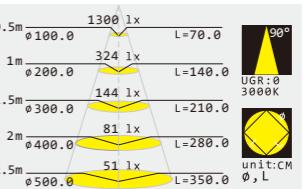
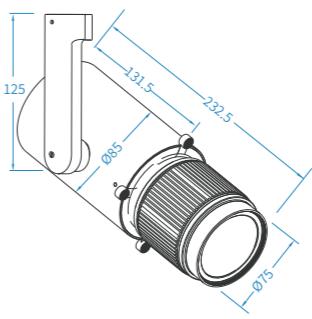
Model	T3008S-7536SE
Power	28W
CCT	2700k/3000k/4000k
Luminous flux	1100-1300LM
Housing Color	Black/White/Other
Beam Angle	20°- 36°
N.W.	1.58KG
Optical lens	7/10 PCS
EXW Price	\$553



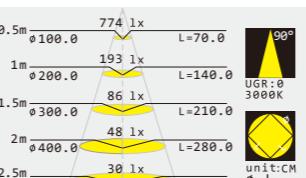
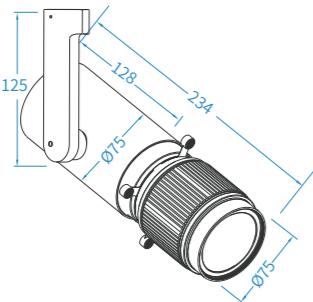
Model	T4008I-7555
Power	37W
CCT	2700k/3000k/4000k
Luminous flux	1350-1450LM
Housing Color	Black/White/Other



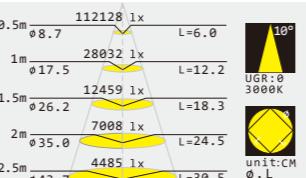
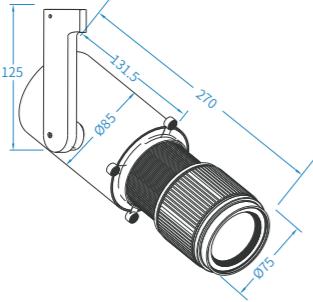
Model	T2008S-7540
Ra	RA≥97
Power	20W
CCT	2700k/3000k/4000k
Luminous flux	400-700LM
Housing Color	Black/White/Other
Beam Angle	15°- 40°
N.W.	1.60KG
Optical lens	9/11 PCS
EXW Price	\$870



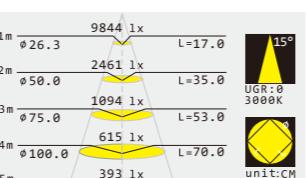
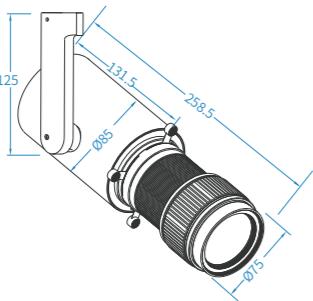
Model	T3008I-7590
Ra	RA≥97
Power	28W
CCT	2700k/3000k/4000k
Luminous flux	800-850LM
Housing Color	Black/White/Other
Beam Angle	90°
N.W.	1.58KG
Optical lens	12/14 PCS
EXW Price	\$963



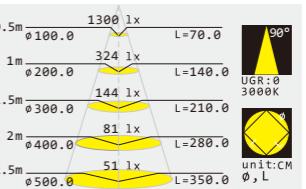
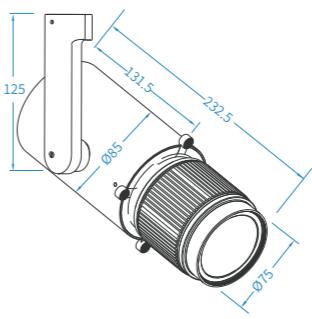
Model	T2008I-7590
Ra	RA≥97
Power	20W
CCT	2700k/3000k/4000k
Luminous flux	450-500LM
Housing Color	Black/White/Other
Beam Angle	90°
N.W.	1.43KG
Optical lens	12/14 PCS
EXW Price	\$932



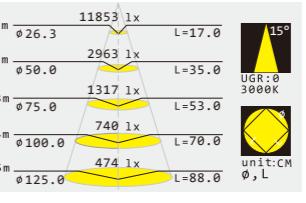
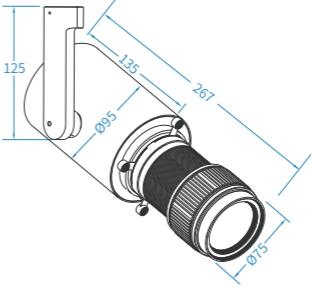
Model	T3008I-7510
Ra	RA≥97
Power	28W
CCT	2700k/3000k/4000k
Luminous flux	630-670LM
Housing Color	Black/White/Other
Beam Angle	10°
N.W.	1.64KG
Optical lens	10/11 PCS
EXW Price	\$701



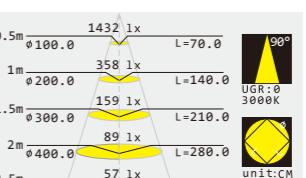
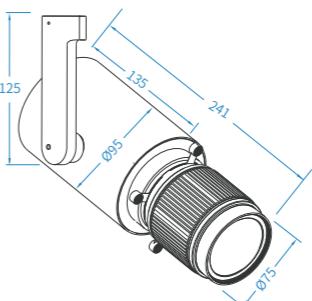
Model	T3008S-7540
Ra	RA≥97
Power	28W
CCT	2700k/3000k/4000k
Luminous flux	500-1000LM
Housing Color	Black/White/Other
Beam Angle	15°-40°
N.W.	1.75KG
Optical lens	9/11 PCS
EXW Price	\$901



Model	T4008I-7510
Ra	RA≥97
Power	37W
CCT	2700k/3000k/4000k
Luminous flux	800-880LM
Housing Color	Black/White/Other
Beam Angle	10°
N.W.	1.73KG
Optical lens	10/11 PCS
EXW Price	\$732



Model	T4008S-7540
Ra	RA≥97
Power	37W
CCT	2700k/3000k/4000k
Luminous flux	700-1300LM
Housing Color	Black/White/Other
Beam Angle	15°-40°
N.W.	1.84KG
Optical lens	10/11 PCS
EXW Price	\$932





KP Series Optical Lenses: Redefining Professional Boundaries with the Triple Extreme Principles.

Compactness is not a compromise, but a deeper interpretation of professionalism. The pinnacle of perfection is where contradictions dissolve into art; the end of minimalism is not a destination, but an optical singularity where all paradoxes collapse.
—BESUN 2025 KP Series Optical Lens



倍晟® BESUN® 2025

KP Series Optical Lenses: Redefining Professional Boundaries with the Triple Extreme Principles.

When “Extreme Performance, Minimalist Design, and Ultra-Compactness” Converge in a Palm-Sized Lens, We Redefine What Professional Optics Can Be.



Typical Application 1

KP Series 5836D-C



Typical Application 2

KP Series 2836D-C*2



倍晟® **BESUN**® 2025

An Invisible Visual Revolution — Fully-Embedded
Coupled Zoom Projection Engine — Redefining the
Laws of Spatial Light.

Defying Floor Heights, Delivering Uniform Scale – Where Architecture
Bends to Creativity. While conventional projectors still compromise with
ceiling heights and throw distances, our nonlinear coupled optical path
rewrites spatial perception algorithms – transforming every wall, floor,
and dome into pixel-perfect canvases.

— See the spectacle, not the machine . Witness the light, not the limits.





KP Series Lens — 1836



Specifications

Model	1836
Focal Length (f)	8-17mm
Aperture (F/#)	F1.9
Beam Angle (θ)	15°-36°
Projection Ratio:	4:1/1.5:1
Optical Distortion (%)	0.4
Uniformity (%)	90%
Resolution (lp/mm)	30lp/mm
Light Efficiency (%)	43%
Working Distance (H)	0.3m-5m
GOBO Device	Built-in/External
Image Surface Diameter (D)	5mm
Lens Structure	8/9
Optical Cleanliness Grade	I

Features

Four-Edge Uniform Sharpness	Full-Size Projection
Ultra-compact Design	Adaptive Optic Cleanliness
Nonlinear Coupled Zoom	
Power Output (Stage light / Gobo projector): 20-30W	

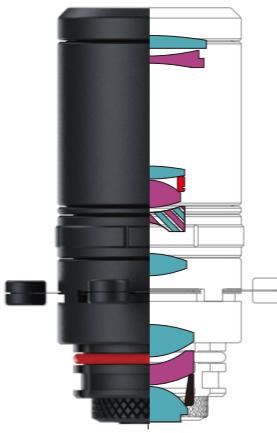
Physical Parameters

Housing Color	Black/White/Other
Filter Specs	M17*P0.5mm
GOBO Size	4.5mm/9.5mm
Lens Dimensions	18*39.9mm
Weight	18g
Mounting Connector	Type A/B/C
Recommended Light Source Emitting Surface	<2.6mm
EXW Price	\$269



Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



Optical Architecture

We respect the laws of physics, yet refuse to be confined by conventional architectures — when every lens curvature is derived from the photon trajectory of COB LEDs, when every coating thickness aligns with the penetration phase of specific wavelengths, that is the true symbiosis of optical design and light sources.

BESUN's self-developed COB LED optical architecture delivers high CRI and superior efficiency, enabling every framing led projectors to seamlessly integrate with mainstream control systems on the market—including Lutron, ABB, DMX, DALI, TRIAC DIM, 2.4G Bluetooth/Tuya, Casambi,etc.

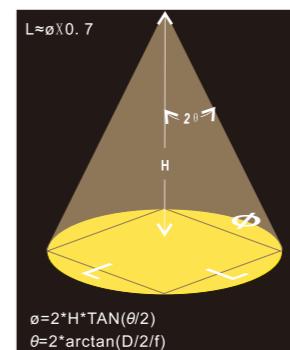
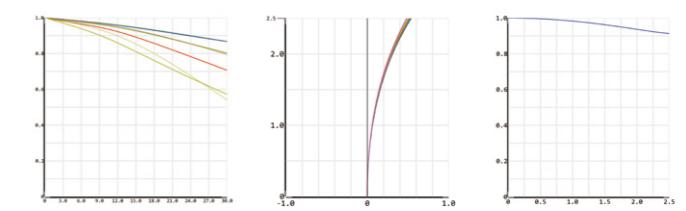
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



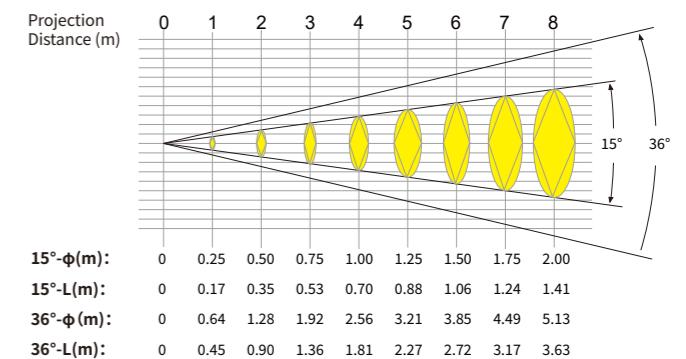
Optical Performance

Fixed focus is the DNA of optics, zoom is its language, and ultra-short throw creates its dimensions—while we are coding the very source of optical civilization.

BESUN's self-developed COB LED optical architecture is an optical system specifically engineered for COB LED light sources. Unlike optical systems designed for CMOS/DLP/LCD technologies, our system surpasses them by orders of magnitude in key parameters such as aperture, distortion, and uniformity.



Beam Parameters





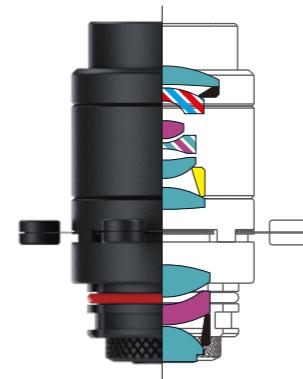
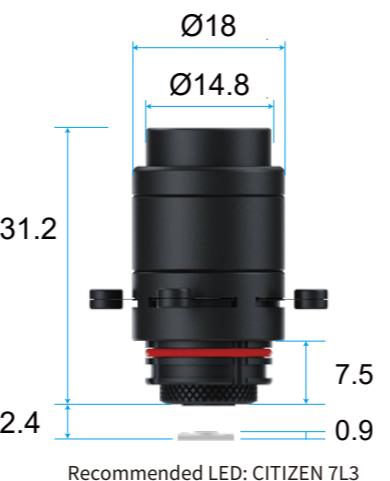
KP Series Lens — 1855

Specifications

Model	1855
Focal Length (f)	5.1
Aperture (F/#)	F1.8
Beam Angle (θ)	55°
Projection Ratio:	1:1
Optical Distortion (%)	1.4
Uniformity (%)	85%
Resolution (lp/mm)	30lp/mm
Light Efficiency (%)	43%
Working Distance (H)	0.3m-3m
GOBO Device	Built-in/External
Image Surface Diameter (D)	5mm
Lens Structure	8/9
Optical Cleanliness Grade	I

Features

Four-Edge Uniform Sharpness	Adaptive Optive Cleanliness
Ultra-compact Design	
Full-Size Projection	
Power Output (Stage light / Gobo projector): 20-30W	



Optical Architecture

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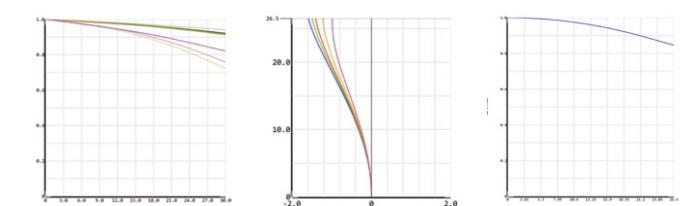
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



Optical Performance

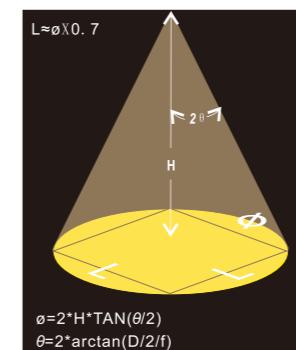
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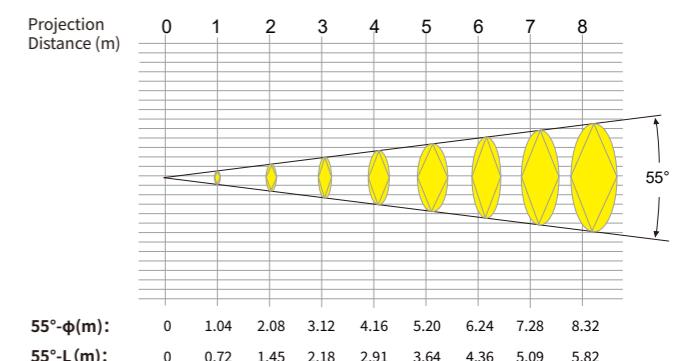


Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



Beam Parameters





KP Series Lens — 2836

Specifications

Model	2836
Focal Length (f)	17-35mm
Aperture (F#)	F2.2
Beam Angle (θ)	15°-36°
Projection Ratio:	4:1/1.5:1
Optical Distortion (%)	0.26
Uniformity (%)	90%
Resolution (lp/mm)	30lp/mm
Light Efficiency (%)	43%
Working Distance (H)	0.5m-3m
GOBO Device	Built-in/External
Image Surface Diameter (D)	10mm
Lens Structure	8/9
Optical Cleanliness Grade	I

Features

Four-Edge Uniform Sharpness	Full-Size Projection
Ultra-compact Design	Adaptive Optic Cleanliness
Nonlinear Coupled Zoom	
Power Output (Stage light / Gobo projector):	40-50W

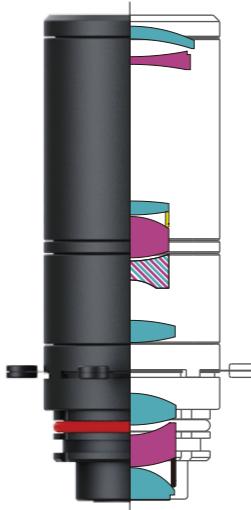
Physical Parameters

Housing Color	Black/White/Other
Filter Specs	M25.5*P0.5mm
GOBO Size	9.5mm/16mm
Lens Dimensions	28*75.5mm
Weight	66g
Mounting Connector	Type A/B/C
Recommended Light Source Emitting Surface	<3.5mm
EXW Price	\$269



Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



Optical Architecture

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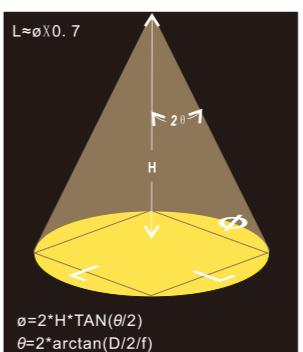
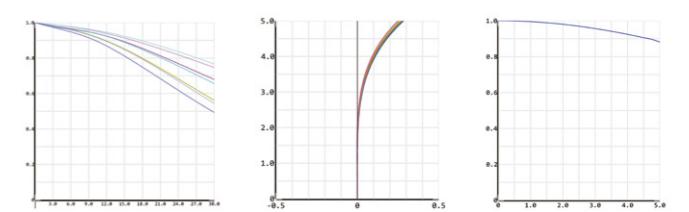
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



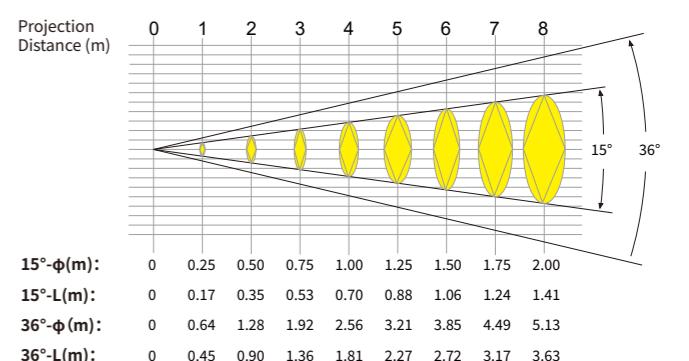
Optical Performance

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Beam Parameters





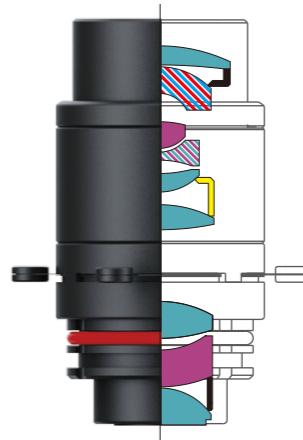
KP Series Lens — 2855

Specifications

Model	2855
Focal Length (f)	10mm
Aperture (F#)	F1.9
Beam Angle (θ)	55°
Projection Ratio:	1:1
Optical Distortion (%)	1.5
Uniformity (%)	85%
Resolution (lp/mm)	30lp/mm
Light Efficiency (%)	43%
Working Distance (H)	0.5m-3m
GOBO Device	Built-in/External
Image Surface Diameter (D)	10mm
Lens Structure	8/9
Optical Cleanliness Grade	I

Features

Four-Edge Uniform Sharpness	Adaptive Optive Cleanliness
Ultra-compact Design	
Full-Size Projection	
Power Output (Stage light / Gobo projector): 40-50W	



Optical Architecture

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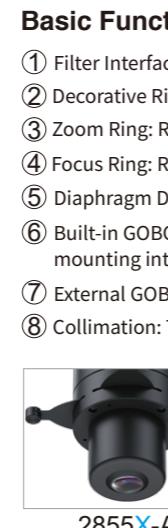
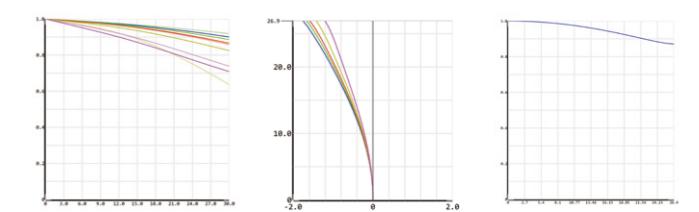
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



Optical Performance

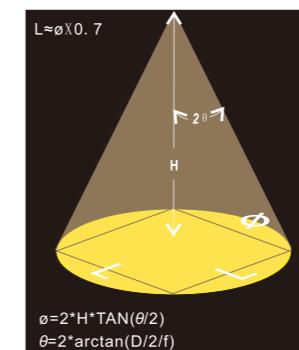
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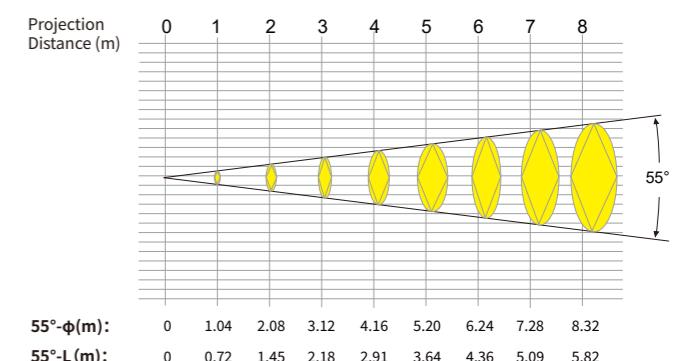


Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



Beam Parameters





KP Series Lens — 3836



Specifications

Model	3836
Focal Length (f)	24-50mm
Aperture (F/#)	F2.1
Beam Angle (θ)	15°-36°
Projection Ratio:	4:1/1.5:1
Optical Distortion (%)	0.6
Uniformity (%)	90%
Resolution (lp/mm)	30lp/mm
Light Efficiency (%)	43%
Working Distance (H)	1.5m-8m
GOBO Device	Built-in/External
Image Surface Diameter (D)	15mm
Lens Structure	10/11
Optical Cleanliness Grade	I

Features

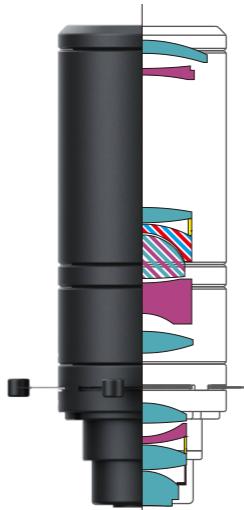
Four-Edge Uniform Sharpness	Full-Size Projection
Ultra-compact Design	Adaptive Optic Cleanliness
Nonlinear Coupled Zoom	
Power Output (Stage light / Gobo projector):	70-80W

Physical Parameters

Housing Color	Black/White/Other
Filter Specs	M35.5*P0.5mm
GOBO Size	14.5mm/19.7mm
Lens Dimensions	38*108mm
Weight	210g
Mounting Connector	Type A/B/C
Recommended Light Source Emitting Surface	<5mm
EXW Price	\$270

Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



Optical Architecture

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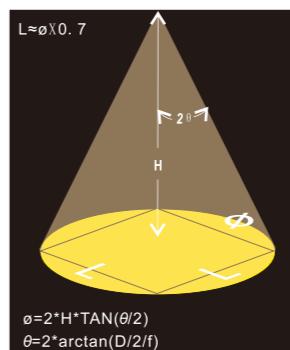
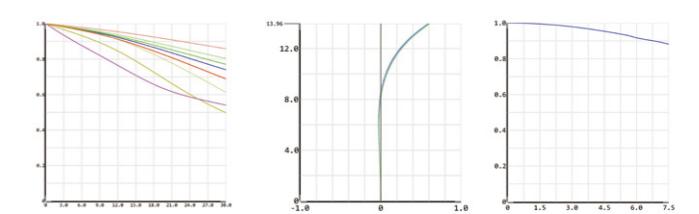
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



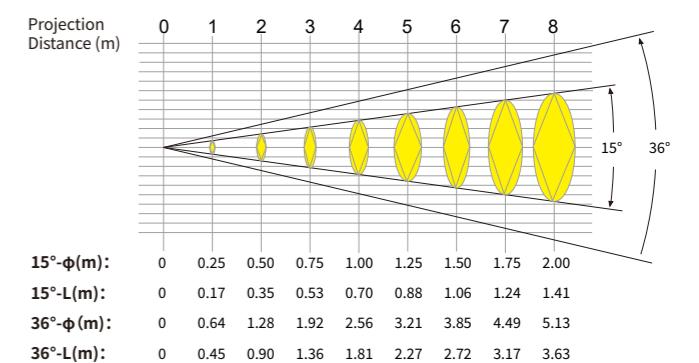
Optical Performance

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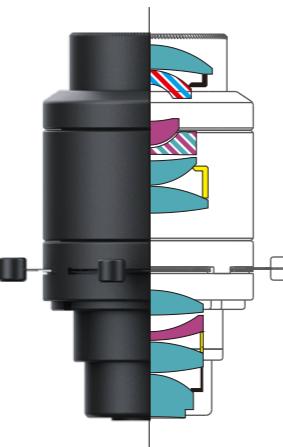


Beam Parameters





KP Series Lens — 3855



Optical Architecture

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- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping

Specifications

Model	3855
Focal Length (f)	15mm
Aperture (F#)	F2.2
Beam Angle (θ)	55°
Projection Ratio:	1:1
Optical Distortion (%)	1.9
Uniformity (%)	85%
Resolution (lp/mm)	30lp/mm
Light Efficiency (%)	43%
Working Distance (H)	0.5m-5m
GOBO Device	Built-in/External
Image Surface Diameter (D)	15mm
Lens Structure	9/10
Optical Cleanliness Grade	I

Features

Four-Edge Uniform Sharpness	Adaptive Optive Cleanliness
Ultra-compact Design	
Full-Size Projection	
Power Output (Stage light / Gobo projector): 70-80W	

Physical Parameters

Housing Color	Black/White/Other
Filter Specs	M35.5*P0.5mm
GOBO Size	14.5mm/19.7mm
Lens Dimensions	38*67.3mm
Weight	130g
Mounting Connector	Type A/B/C
Recommended Light Source Emitting Surface	<5mm
EXW Price	\$221



Basic Functions

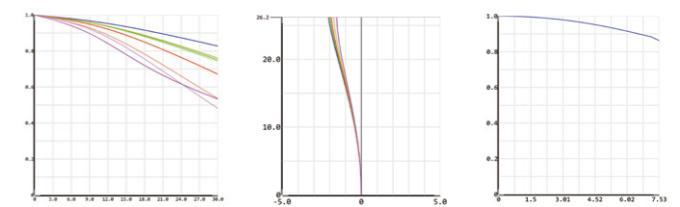
- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



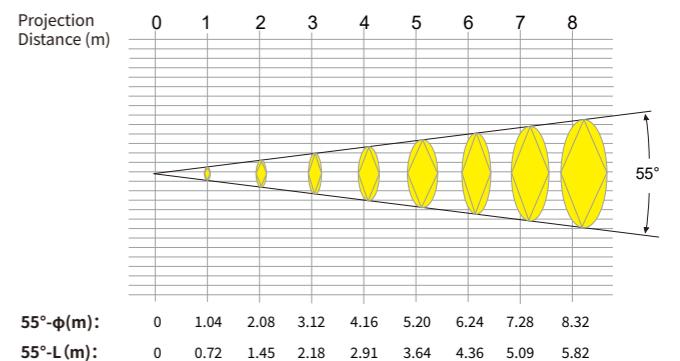
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Beam Parameters





KP Series Lens — 4836

Specifications

Model	4836
Focal Length (f)	32-66mm
Aperture (F#)	F2.0
Beam Angle (θ)	15°-36°
Projection Ratio:	4:1/1.5:1
Optical Distortion (%)	0.5
Uniformity (%)	90%
Resolution (lp/mm)	30lp/mm
Light Efficiency (%)	43%
Working Distance (H)	1.5m-8m
GOBO Device	Built-in/External
Image Surface Diameter (D)	20mm
Lens Structure	10/11
Optical Cleanliness Grade	I

Features

Four-Edge Uniform Sharpness	Full-Size Projection
Ultra-compact Design	Adaptive Optic Cleanliness
Nonlinear Coupled Zoom	
Power Output (Stage light / Gobo projector):	120-150W

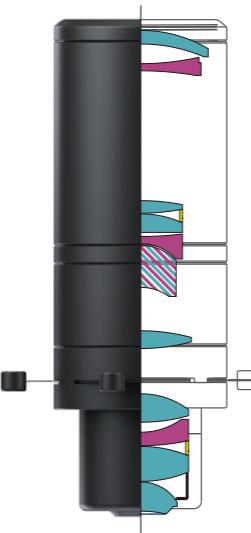
Physical Parameters

Housing Color	Black/White/Other
Filter Specs	M46*P0.75mm
GOBO Size	19.5mm/24.5mm
Lens Dimensions	48*135mm
Weight	360g
Mounting Connector	Type A/B/C
Recommended Light Source Emitting Surface	<7mm
EXW Price	\$320



Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



Optical Architecture

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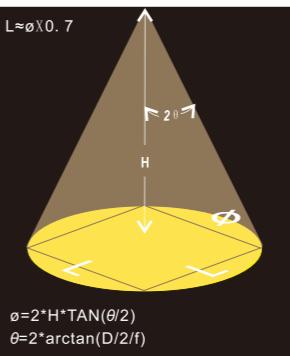
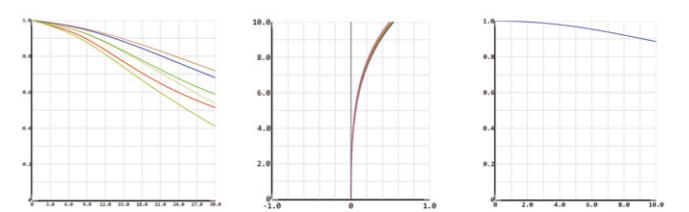
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



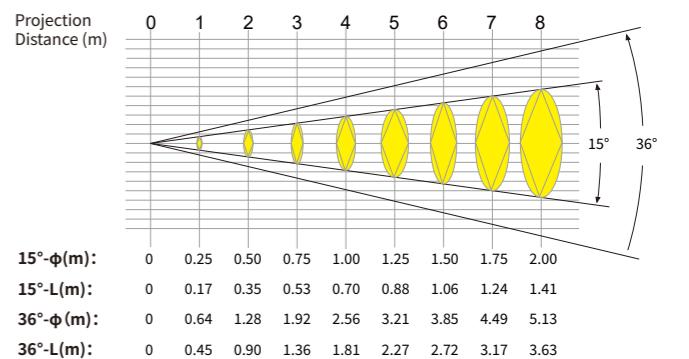
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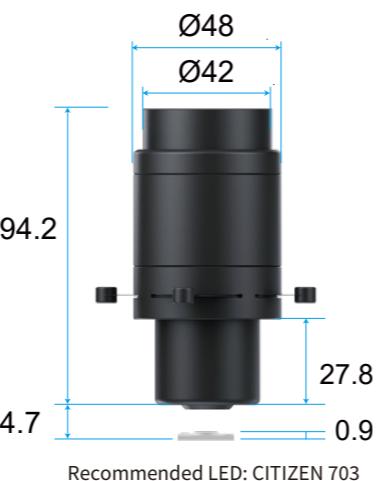


Beam Parameters





KP Series Lens — 4855



Specifications

Model	4855
Focal Length (f)	21mm
Aperture (F#)	F2.0
Beam Angle (θ)	55°
Projection Ratio:	1:1
Optical Distortion (%)	1.5
Uniformity (%)	85%
Resolution (lp/mm)	30lp/mm
Light Efficiency (%)	43%
Working Distance (H)	0.5-5m
GOBO Device	Built-in/External
Image Surface Diameter (D)	20mm
Lens Structure	9/10
Optical Cleanliness Grade	I

Features

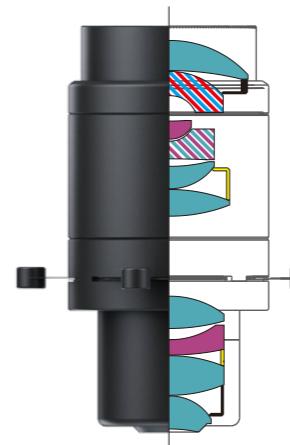
Four-Edge Uniform Sharpness	Adaptive Optive Cleanliness
Ultra-compact Design	
Full-Size Projection	
Power Output (Stage light / Gobo projector): 120-150W	

Physical Parameters

Housing Color	Black/White/Other
Filter Specs	M46*P0.75mm
GOBO Size	19.5mm/24.5mm
Lens Dimensions	48*94.2mm
Weight	295g
Mounting Connector	Type A/B/C
Recommended Light Source Emitting Surface	<7mm
EXW Price	\$270

Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



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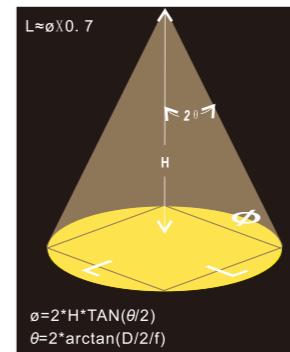
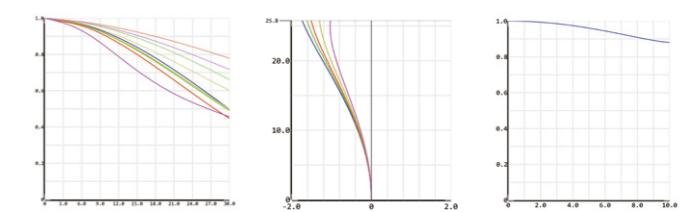
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



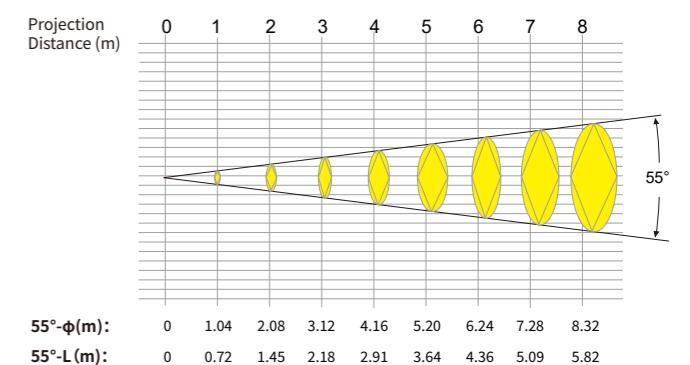
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Beam Parameters





KP Series Lens — 5836

Specifications

Model	5836
Focal Length (f)	41-83mm
Aperture (F#)	F2.0
Beam Angle (θ)	15°-36°
Projection Ratio:	4:1/1.5:1
Optical Distortion (%)	0.5
Uniformity (%)	90%
Resolution (lp/mm)	30lp/mm
Light Efficiency (%)	43%
Working Distance (H)	1.5m-8m
GOBO Device	Built-in/External
Image Surface Diameter (D)	25mm
Lens Structure	10/11
Optical Cleanliness Grade	I

Features

Four-Edge Uniform Sharpness	Full-Size Projection
Ultra-compact Design	Adaptive Optic Cleanliness
Nonlinear Coupled Zoom	
Power Output (Stage light / Gobo projector): 150-200W	

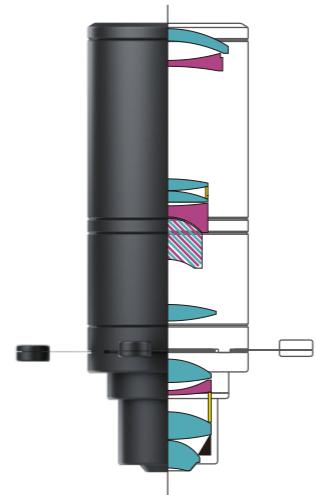
Physical Parameters

Housing Color	Black/White/Other
Filter Specs	M55*P0.75mm
GOBO Size	24.5/31.2mm
Lens Dimensions	58*159mm
Weight	605g
Mounting Connector	Type A/B/C
Recommended Light Source Emitting Surface	<9mm
EXW Price	\$412



Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



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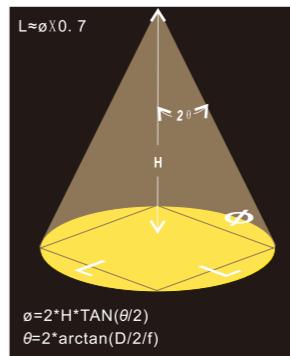
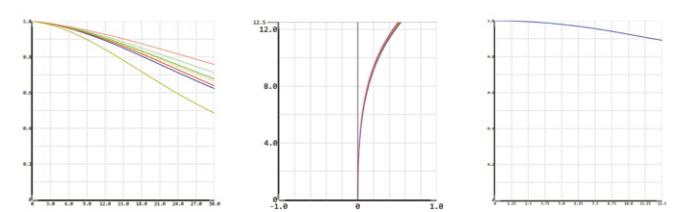
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



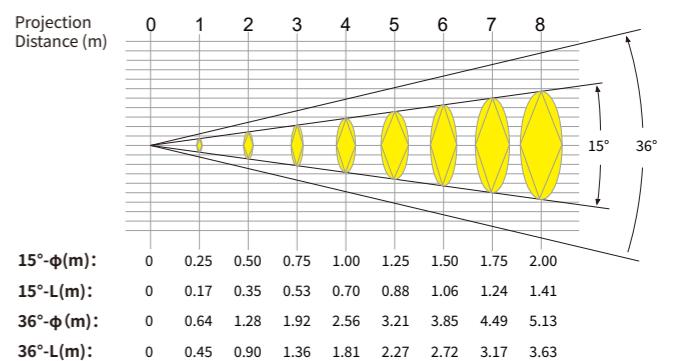
Optical Performance

Fixed focus is the DNA of optics, zoom is its language, and ultra-short throw creates its dimensions—while we are coding the very source of optical civilization.

BESUN's self-developed COB LED optical architecture is an optical system specifically engineered for COB LED light sources. Unlike optical systems designed for CMOS/DLP/LCD technologies, our system surpasses them by orders of magnitude in key parameters such as aperture, distortion, and uniformity.



Beam Parameters





KP Series Lens — 5855



Specifications

Model	5855
Focal Length (f)	25mm
Aperture (F/#)	F2.0
Beam Angle (θ)	55°
Projection Ratio:	1:1
Optical Distortion (%)	1.4
Uniformity (%)	80%
Resolution (lp/mm)	30lp/mm
Light Efficiency (%)	43%
Working Distance (H)	0.5-5m
GOBO Device	Built-in/External
Image Surface Diameter (D)	25mm
Lens Structure	10/11
Optical Cleanliness Grade	I

Features

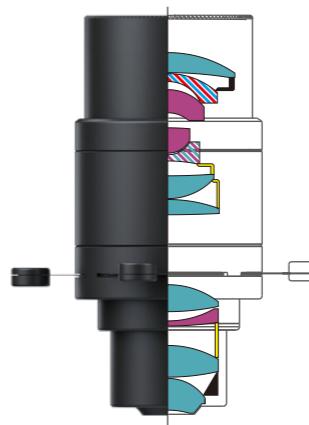
Four-Edge Uniform Sharpness	Adaptive Optive Cleanliness
Ultra-compact Design	
Full-Size Projection	
Power Output (Stage light / Gobo projector): 150-200W	

Physical Parameters

Housing Color	Black/White/Other
Filter Specs	M55*P0.75mm
GOBO Size	24.5mm/31.2mm
Lens Dimensions	58*119mm
Weight	480g
Mounting Connector	Type A/B/C
Recommended Light Source Emitting Surface	<9mm
EXW Price	\$320

Basic Functions

- ① Filter Interface: Compatible with market filters or BESUN's own filters
- ② Decorative Ring: Available in black, red, white, etc.
- ③ Zoom Ring: Rotate to adjust light spot size
- ④ Focus Ring: Rotate to adjust light spot sharpness
- ⑤ Diaphragm Device: Insert /remove to change light spot shape
- ⑥ Built-in GOBO: Remove collimator and install the GOBO onto its mounting interface
- ⑦ External GOBO: Gently remove the slot to place slide film
- ⑧ Collimation: Transfer the LED's luminous energy to the optical lens



Optical Architecture

We respect the laws of physics, yet refuse to be confined by conventional architectures — when every lens curvature is derived from the photon trajectory of COB LEDs, when every coating thickness aligns with the penetration phase of specific wavelengths, that is the true symbiosis of optical design and light sources.

BESUN's self-developed COB LED optical architecture delivers high CRI and superior efficiency, enabling every framing led projectors to seamlessly integrate with mainstream control systems on the market—including Lutron, ABB, DMX, DALI, TRIAC DIM, 2.4G Bluetooth/Tuya, Casambi,etc.

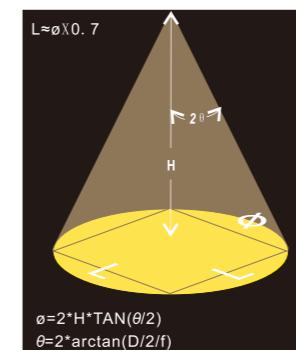
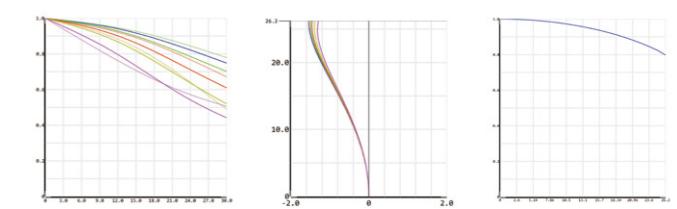
- Distagon
- High-Refractive Index Glass
- Anomalous Dispersion Glass
- Super spherical lens
- Ultra-High Transmittance Optical Glass Lens
- Hybrid Light Trapping



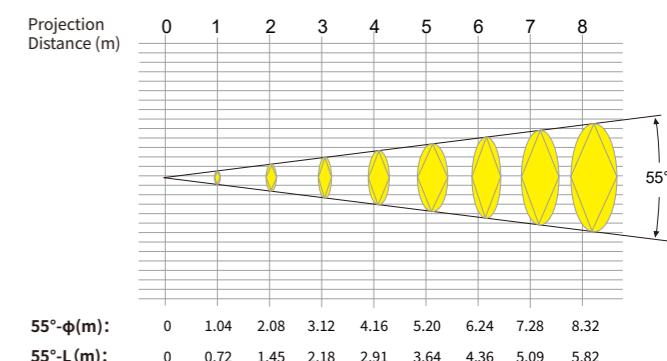
Optical Performance

Fixed focus is the DNA of optics, zoom is its language, and ultra-short throw creates its dimensions—while we are coding the very source of optical civilization.

BESUN's self-developed COB LED optical architecture is an optical system specifically engineered for COB LED light sources. Unlike optical systems designed for CMOS/DLP/LCD technologies, our system surpasses them by orders of magnitude in key parameters such as aperture, distortion, and uniformity.



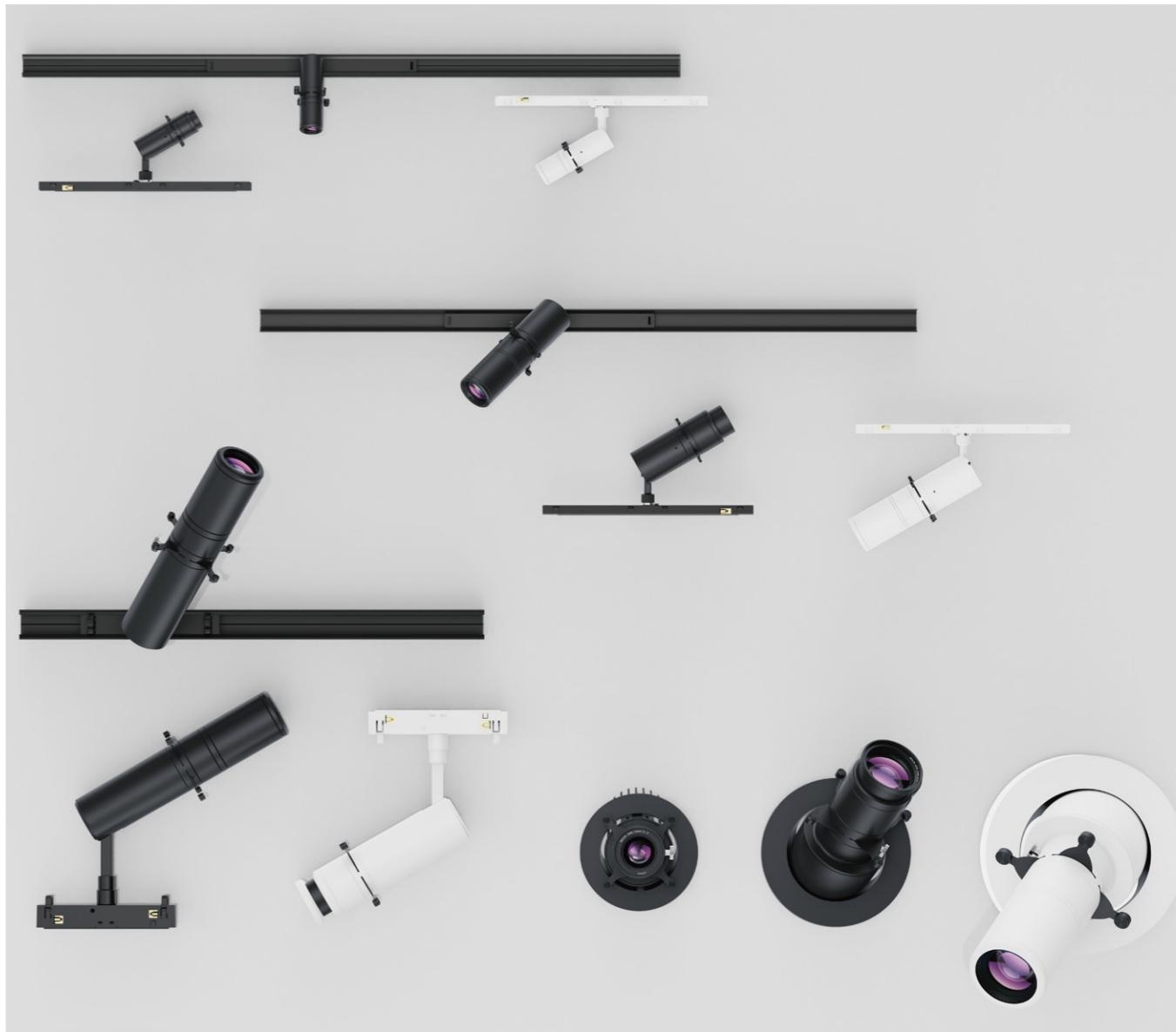
Beam Parameters

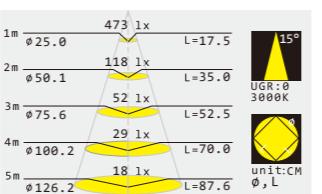




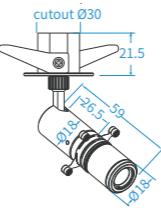
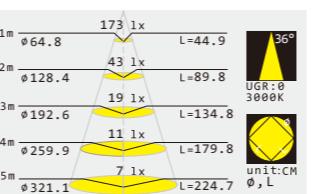
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KP series Framing Led Projector

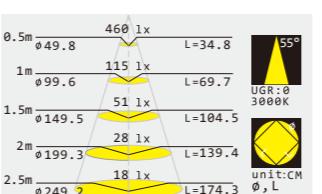
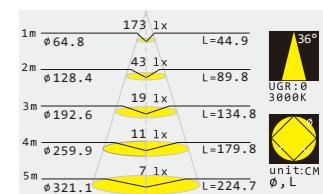




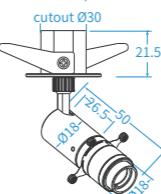
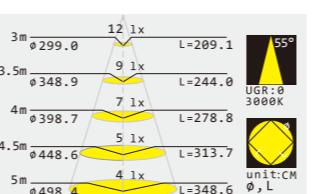
Model	T0303K-1836
Power	3W
Luminous flux	35-45LM
Beam Angle	15° - 36°
Optical lens	8/9 PCS
Ra	RA≥97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	0.13KG
EXW Price	\$632



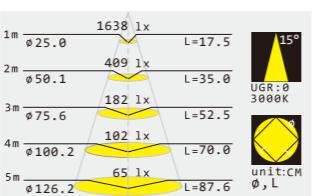
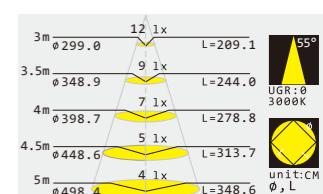
Model	D0330K-1836
Power	3W
Luminous flux	35-45LM
Beam Angle	15° - 36°
Optical lens	8/9 PCS
Ra	RA≥97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	0.13KG
EXW Price	\$452



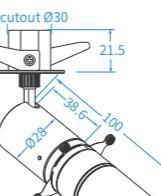
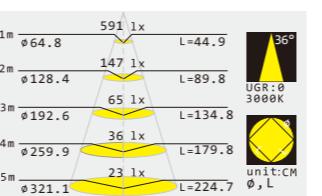
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Power	3W
Luminous flux	70-75LM
Beam Angle	55°
Optical lens	8/9 PCS
Ra	RA≥97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	0.12KG
EXW Price	\$601



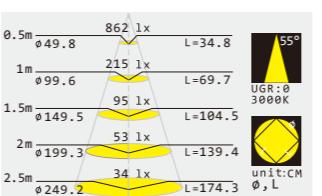
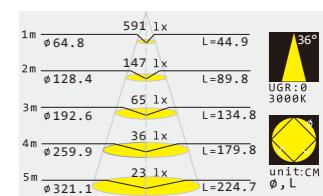
Model	D0330K-1855
Power	3W
Luminous flux	70-75LM
Beam Angle	55°
Optical lens	8/9 PCS
Ra	RA≥97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	0.12KG
EXW Price	\$422



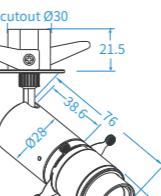
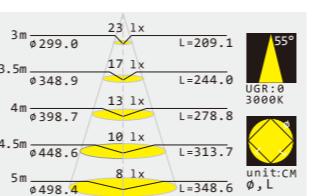
Model	T0503K-2836
Power	5W
Luminous flux	100-140LM
Beam Angle	15° - 36°
Optical lens	8/9 PCS
Ra	RA≥97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	0.21KG
EXW Price	\$632



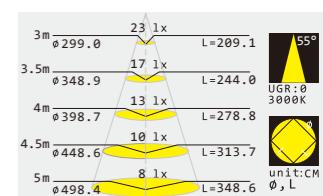
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Power	5W
Luminous flux	100-140LM
Beam Angle	15° - 36°
Optical lens	8/9 PCS
Ra	RA≥97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	0.21KG
EXW Price	\$452

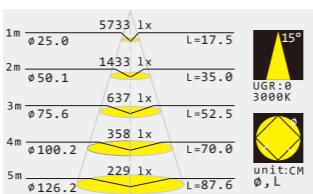
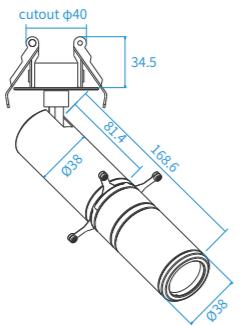


Model	T0503K-2855
Power	5W
Luminous flux	145-160LM
Beam Angle	55°
Optical lens	8/9 PCS
Ra	RA≥97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	0.19KG
EXW Price	\$601

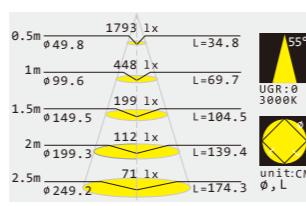


Model	D0503K-2855
Power	5W
Luminous flux	145-160LM
Beam Angle	55°
Optical lens	8/9 PCS
Ra	RA≥97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	0.19KG
EXW Price	\$422

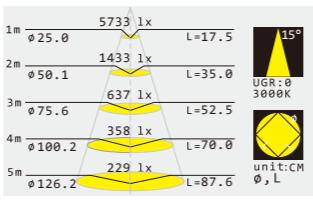
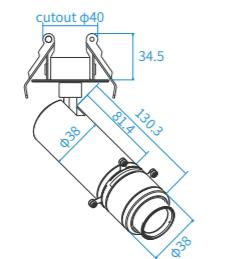




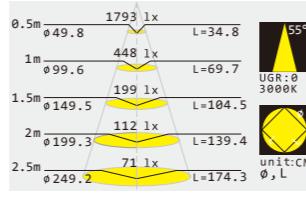
Model	D1040K-3836
Power	10W
Luminous flux	300-350LM
Beam Angle	15° - 36°
Optical lens	10/11 PCS



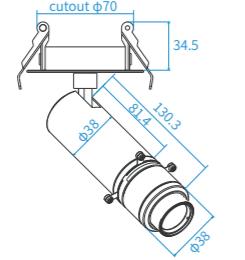
Model	D1040K-3835
Power	10W
Luminous flux	300-350LM
Beam Angle	55°
Optical lens	9/10 PCS



Model	D1070K-3836
Power	10W
Luminous flux	300-350LM
Beam Angle	15° - 36°
Optical lens	10/11 PCS

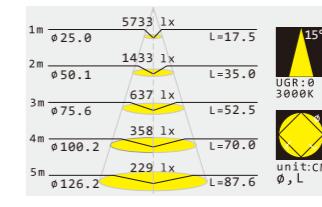
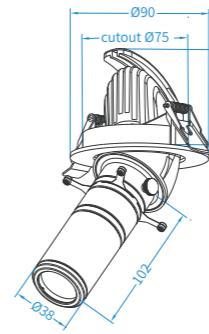
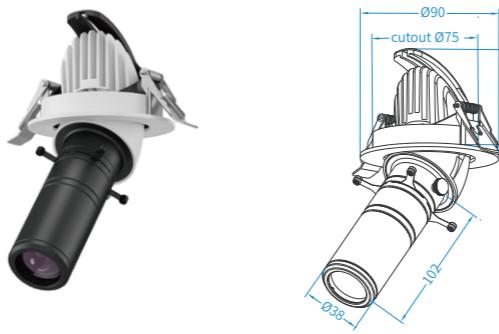
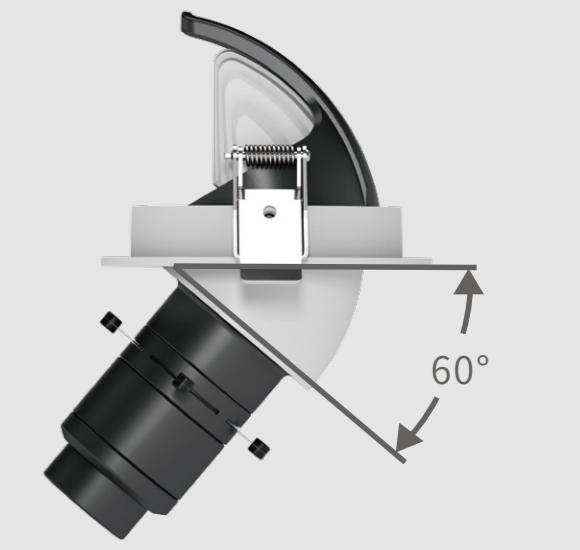


Model	D1070K-3835
Power	10W
Luminous flux	300-350LM
Beam Angle	55°
Optical lens	9/10 PCS

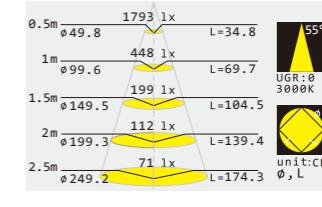


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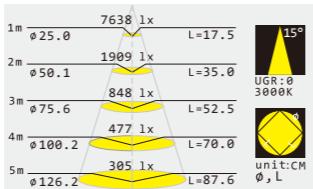
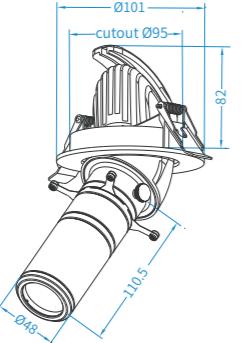
KP series embedded contour gimbal light



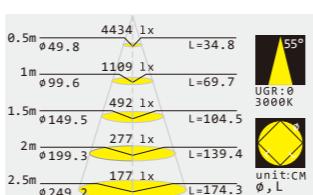
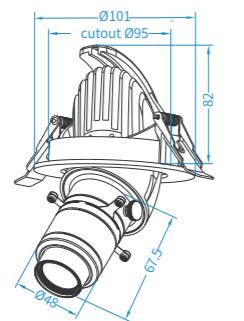
Model	G1075K-3836
Power	10W
Luminous flux	300-350LM
Beam Angle	15° - 36°
Optical lens	10/11 PCS



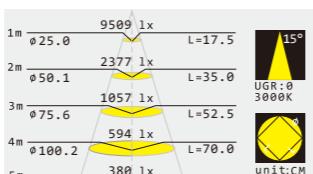
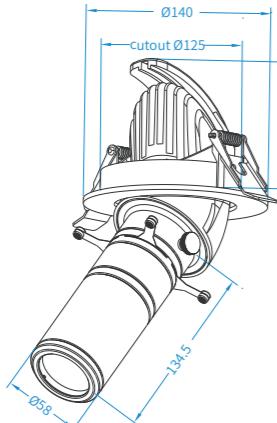
Model	G1075K-3835
Power	10W
Luminous flux	300-350LM
Beam Angle	55°
Optical lens	9/10 PCS



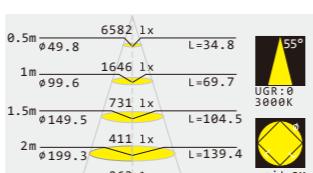
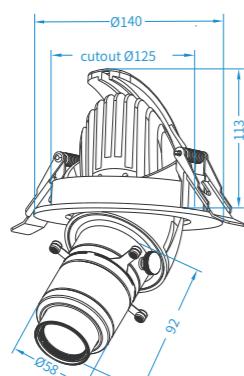
Model	G2095K-4836
Power	20W
Luminous flux	630-650LM
Beam Angle	15° - 36°
Optical lens	10/11 PCS
Ra	RA ≥ 97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	1.03KG
EXW Price	\$467



Model	G2095K-4855
Power	20W
Luminous flux	745-780LM
Beam Angle	55°
Optical lens	9/10 PCS
Ra	RA ≥ 97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	0.94KG
EXW Price	\$418



Model	G30125K-5836
Power	28W
Luminous flux	870-1000LM
Beam Angle	15° - 36°
Optical lens	10/11 PCS
Ra	RA ≥ 97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	1.41KG
EXW Price	\$615



Model	G30125K-5855
Power	28W
Luminous flux	1050-1150LM
Beam Angle	55°
Optical lens	10/11 PCS
Ra	RA ≥ 97
CCT	2700k/3000k/4000k
Housing Color	Black/White/Other
N.W.	1.29KG
EXW Price	\$523

BESUN® KP series Framing Led Projector

DIP CCT + knob dimming design enables simultaneous beam cutting and individual lamp dimming/CCT control. It operates as a standalone solution or integrates seamlessly with other dimming systems.

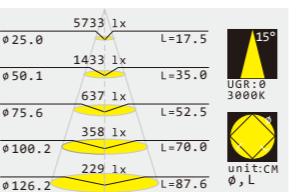
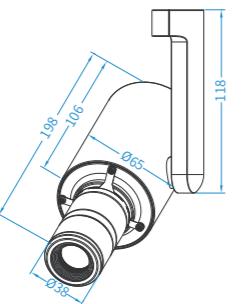


Control Methods

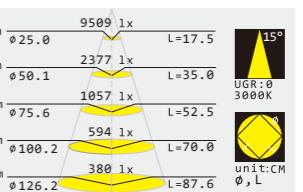
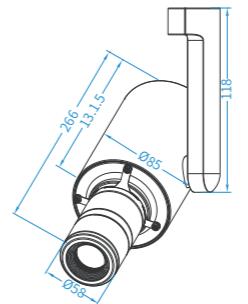


Model number reference

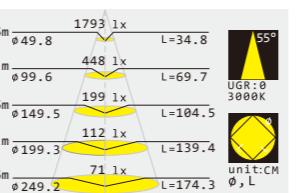
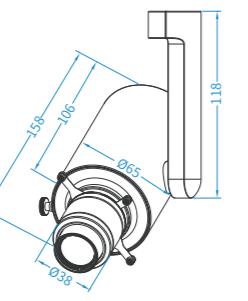




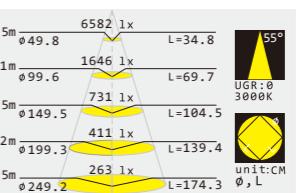
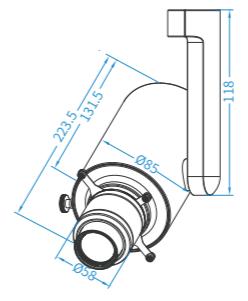
Model	T1008K-3836
Power	10W
CCT	2700k/3000k/4000k
Luminous flux	300-350LM
Housing Color	Black/White/Other
Beam Angle	15°- 36°
N.W.	0.67KG
Optical lens	10/11 PCS
EXW Price	\$430



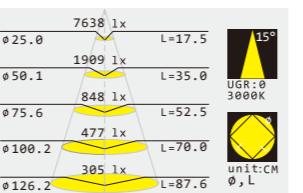
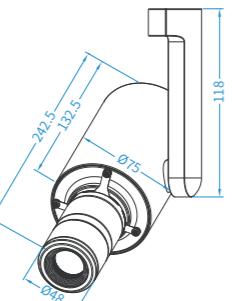
Model	T3008K-5836
Power	28W
CCT	2700k/3000k/4000k
Luminous flux	870-1000LM
Housing Color	Black/White/Other
Beam Angle	15°- 36°
N.W.	1.53KG
Optical lens	10/11 PCS
EXW Price	\$621



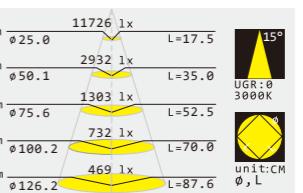
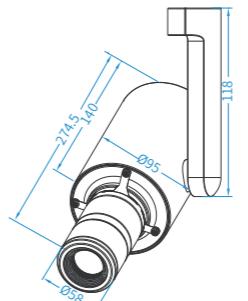
Model	T1008K-3855
Power	10W
CCT	2700k/3000k/4000k
Luminous flux	300-350LM
Housing Color	Black/White/Other
Beam Angle	55°
N.W.	0.59KG
Optical lens	9/10 PCS
EXW Price	\$381



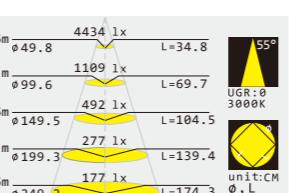
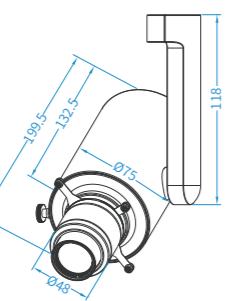
Model	T3008K-5855
Power	28W
CCT	2700k/3000k/4000k
Luminous flux	1050-1150LM
Housing Color	Black/White/Other
Beam Angle	55°
N.W.	1.40KG
Optical lens	10/11 PCS
EXW Price	\$529



Model	T2008K-4836
Power	20W
CCT	2700k/3000k/4000k
Luminous flux	630-650LM
Housing Color	Black/White/Other
Beam Angle	15°- 36°
N.W.	1.12KG
Optical lens	10/11 PCS
EXW Price	\$498



Model	T4008K-5836
Power	37W
CCT	2700k/3000k/4000k
Luminous flux	1000-1200LM
Housing Color	Black/White/Other
Beam Angle	15°- 36°
N.W.	1.80KG
Optical lens	10/11 PCS
EXW Price	\$652



King of Track Light - Full-Scene Distributed Module

Ultra-flexible architecture that allows for rapid customization, easy combination and separation of modules, convenient individual module function debugging, upgrading, and maintenance, as well as multi-person collaboration without interference.



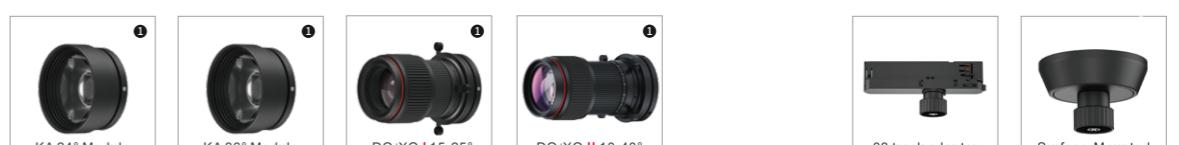
King of Track Light - Full-Scene Distributed Module

BESUN Full-Scene Distributed Module can quickly respond to customer demands, allowing solution designers to rapidly design and combine various solutions to meet the personalized needs of end-users. Additionally, it can also satisfy the customer's need for small quantities, diversity, and high variability in product customization, truly achieving high performance, easy upgrading, and low maintenance.



King of Track Light - Full-Scene Distributed Module

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King of Track Light - Full-Scene Distributed Module

Ultra-flexible architecture that allows for rapid customization, easy combination and separation of modules, convenient individual module function debugging, upgrading, and maintenance, as well as multi-person collaboration without interference.



1

The level 1 optical accessories are unique and can only be installed one at a time. Multiple accessories cannot be installed simultaneously, and at least one accessory must be installed in order for other optical accessories to function properly.



2

The level 2 optical can carry all level 1 optical except imaging, and it is the only level that can be combined with level 3 and level 4 optical. It can also be stacked with level 3 and level 4 optical.

For example: Anti-glare Module G (honeycomb) + UV filter / Anti-glare Module G (honeycomb) + color filter + UV filter / or Anti-glare Module G (honeycomb) + UV filter + 8 Flaps (Barn door)



3

The level 3 optical can independently support all the level 1 optical, the level 2 optical, or 1+3+4 combinations. The level 3 optical can be stacked with other optics to create different effects.

For example, OVAL+ Soft light Module / OVAL+Soft Focus Module+UV Filter / Anti-glare Module G (honeycomb)+UV Filter+8 Flaps (Barn door)



4

Level 4 optical can carry all level 1 optical independently, or carry level 2 optical, or some of the level 3 optical can be in a stacked state.

For example, OVAL+Soft light Module + 8 Flaps (Barn door) / Anti-glare Module G (honeycomb) + UV filter + Spotlight Module C (Half Snoot) , and so on.



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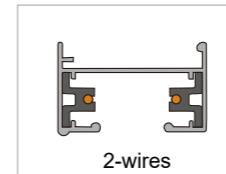
King of Track Light - Full-Scene Distributed Module

Here is the installation module of the King of Track Light. In order to make this module operate more efficiently, conveniently, and reliably, we have redefined and designed its ceiling-mounted installation module and embedded installation module. The track-mounted installation module will also be fully compatible with other brand tracks, so you don't have to disassemble the existing track system in order to have the superior light quality of BESUN.

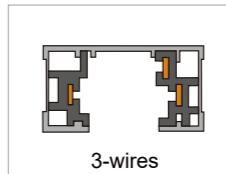


Track installation

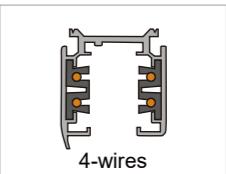
This module can be adapted to almost all brands of tracks worldwide



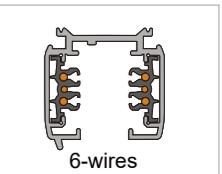
2-wires



3-wires



4-wires



6-wires



03 track adapter



05 track adapter



08 track adapter

BESUN 03 track module is commonly used for 6-wire DALI control or CASAMBI smart control and other control needs

BESUN 05 track module is commonly used for wireless Bluetooth control needs, such as 2.4G graffiti, Zigbee, and other control needs

BESUN 08 track module is commonly used for conventional 0-10V single lamp dimming control needs, or 0-10V+DIP CCT

Embedded&surface-mounted installation

A revolutionary mounting module that can be installed both as embedded and surface-mounted, providing stability and reliability, especially suitable for the installation of medium to heavy-duty lighting fixtures.



King of Track Light - Full-Scene Distributed Module

Here is one of the most hardcore parts of the whole King of Track Light module. In order to ensure that nothing is left to chance, we have redefined and redesigned the mechanical performance, optical performance and control performance as well as the safety performance of the module, which complies with zhaga safety standards.

355° Vertical 355 ° rotation

The new design of vertical 355 degree rotation will realize easy arbitrary angle hovering and locking, arbitrary damping adjustment, and never sag. It effectively saves the installation and commissioning time, and effectively avoids the annoyance of reworking due to the light head moving around and the light spot deviating from the original position. The device is effective under severe conditions such as ground or ceiling vibrations, or high altitude winds.

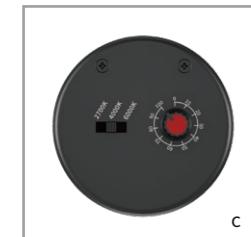
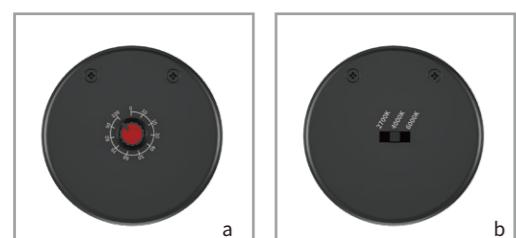


The module built-in driver control methods are generally the following

a, Single lamp 0-10V knob dimming module features continuous dimming

b, DIP select color temperature module

c, DIP CCT + 0-10V knob dimming



New horizontal 355° rotation design, abandoned the brand track adapter with its own plastic rotation damping device, replaced by a better and more reliable and durable mechanical gear damping, will achieve easy horizontal rotation at any angle, any angle locking, any damping adjustment, and never run off. It effectively saves the installation and commissioning time, and effectively avoids the annoyance of reworking due to the light head moving around and the light spot deviating from the original position. The device is effective under severe conditions such as ground or ceiling vibrations, or high altitude winds.

355° Horizontal 355 ° rotation

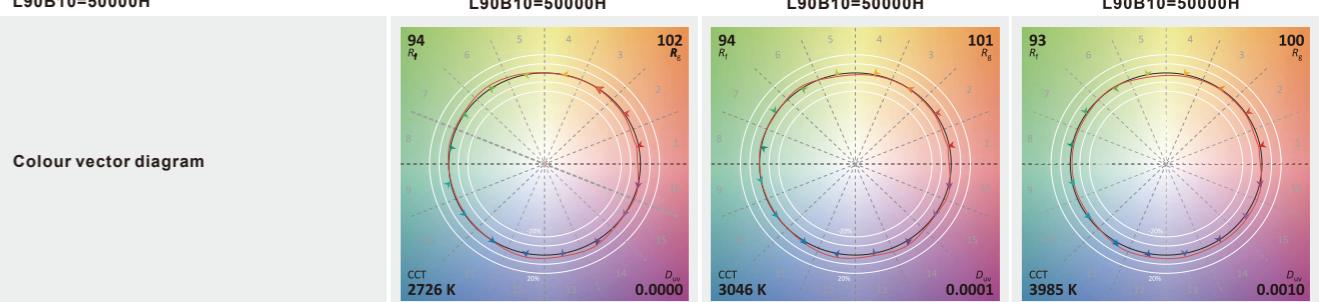


Light color part

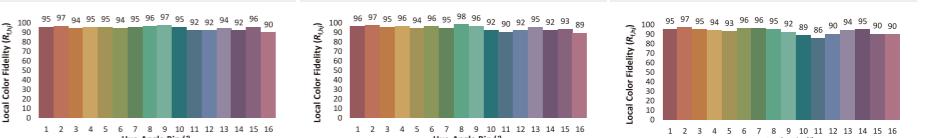
The color of light is not only inseparable from the high quality optics, but also from the hard index of the light source itself. BESUN does not produce light sources, but will select light sources that meet BESUN's standards.

Project	27H	30H	40H
Melanopic ratio (MR)	17.8%	18.7%	19.2%
Melanopic daylight-equivalent ratio(MDER)	91	107	108
Relative damage factor,f (mW/lm)	0.127	0.147	0.748
SCDM over time (must: SDCM ≤ 1.5)	Average±0.0013	Average±0.0013	Average±0.0013
TM-30 /Rf	94	94	93
TM-30 /Rg	102	101	100
L90B10=50000H	L90B10=50000H	L90B10=50000H	L90B10=50000H

Colour vector diagram



Local Color Fidelity ($R_{f,hj}$)





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King of Track Light - Full-Scene Distributed Module

Temperature rise report

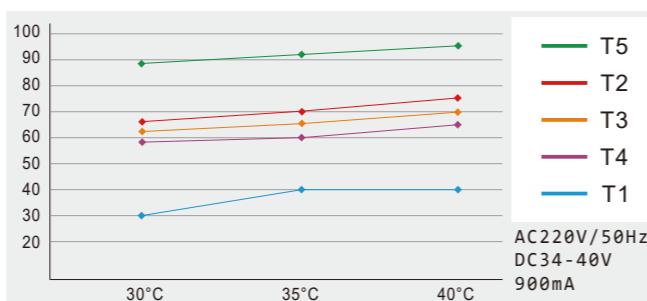
BESUN's heat dissipation material, with (226.W/M.K) super high thermal conductivity, can effectively reduce the temperature difference between inside and outside the lamp, and reduce the light decay, color temperature drift and other key data, and significantly improve the service life of the lamp.

The temperature of the driver TC point in the chart is normal, because this driver can provide high P flicker-free 5 years warranty when the TC point is less than 100 degrees.

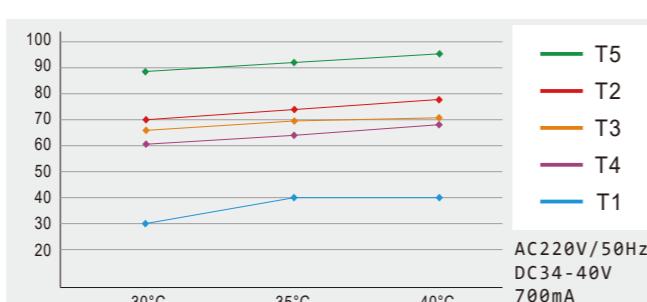
Technical requirements:

Ambient temperature reaches 40 degrees, light source TC point <80 degrees, driver TC point <95 degrees

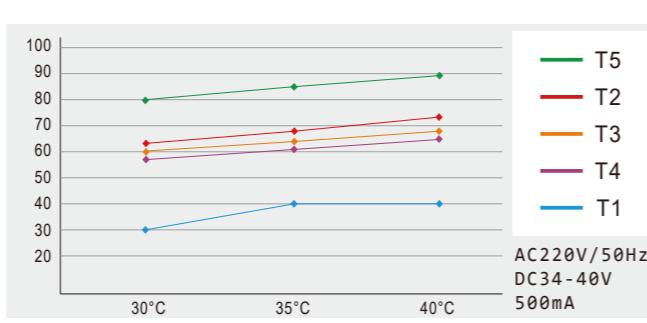
	environmental temperature (T1)	29.8	31.5	34.8	39.8
	welding spot's negative pole (T2)	29.8	66.1	69.2	76.5
Temperature Measuring Point	inside (T3)	29.8	61.2	64.7	69.9
	outside (T4)	29.8	58.1	60.8	66.8
	driver TC point (T5)	30.0	89.8	93.5	94.5



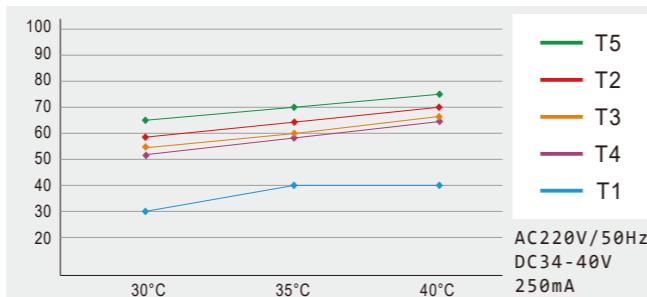
	environmental temperature (T1)	29.8	31.5	34.8	39.8
	welding spot's negative pole (T2)	29.9	69.4	72.1	78.5
Temperature Measuring Point	inside (T3)	29.8	66.7	69.4	71.5
	outside (T4)	29.8	61.8	64.7	68.5
	driver TC point (T5)	30.0	88.7	92.5	95.3



	environmental temperature (T1)	29.8	30.7	35.8	40.1
	welding spot's negative pole (T2)	29.9	63.1	68.9	72.2
Temperature Measuring Point	inside (T3)	29.8	60.4	65.2	68.4
	outside (T4)	29.8	57.0	62.6	65.9
	driver TC point (T5)	30.1	79.8	85.4	88.2



	environmental temperature (T1)	29.9	30.0	36.5	40.0
	welding spot's negative pole (T2)	29.8	58.9	64.2	65.2
Temperature Measuring Point	inside (T3)	29.8	54.6	59.9	65.1
	outside (T4)	29.8	53.3	58.8	64.1
	driver TC point (T5)	29.8	65.8	70.6	75.3



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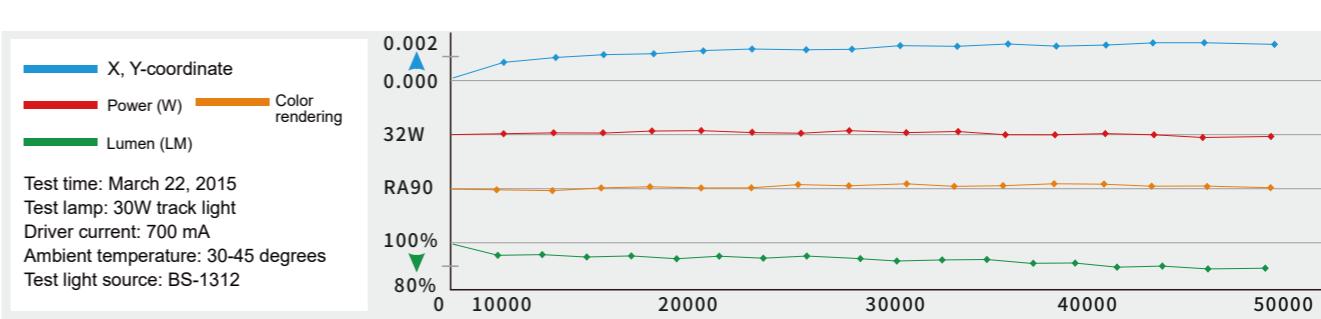
King of Track Light - Full-Scene Distributed Module

Light Decay Report

The whole lamp permanent 24 hours non-stop aging, every 3,000 hours to extract data, the highest monitoring data has 100,000 hours, 30,000 hours within the original LM maintenance rate of more than 95%, 50,000 hours of the original lumen maintenance rate of more than 90%, power color rendering, color temperature and other parameters in 97% maintenance rate.

Test time: March 22, 2015
Test lamp: 30W track light
Driver current: 700 mA
Ambient temperature: 30-45 degrees
Test light source: BS-1312

Time (h)	Power (W)	PF	Color temperature(K)	Color rendering	Lumen (LM)	X-coordinate	Y-coordinate	Lumen maintenance rate
0	32.60	0.98	3012	89.9	3420	0.4350	0.4113	100%
3000	32.45	0.96	3031	90.0	3368	0.4337	0.4112	98.5%
6000	32.45	0.96	3030	90.0	3324	0.4340	0.4114	97.2%
9000	32.35	0.96	3029	90.0	3330	0.4339	0.4111	97.4%
12000	32.43	0.96	3034	90.0	3342	0.4332	0.4100	97.7%
15000	32.51	0.96	3023	90.0	3255	0.4340	0.4107	95.2%
18000	32.38	0.96	3031	90.1	3217	0.4338	0.4107	94.1%
21000	32.27	0.96	3037	90.1	3213	0.4330	0.4112	93.9%
24000	32.37	0.96	3029	90.0	3204	0.4329	0.4112	93.7%
27000	32.29	0.96	3043	89.9	3228	0.4328	0.4113	94.4%
30000	32.37	0.96	3047	89.8	3339	0.4326	0.4114	97.6%
33000	32.35	0.96	3041	89.9	3243	0.4329	0.4108	94.8%
36000	32.23	0.96	3036	90.0	3233	0.4332	0.4108	94.5%
39000	32.40	0.99	3036	90.0	3224	0.4330	0.4107	94.3%
42000	32.50	0.99	3039	90.0	3199	0.4334	0.4106	93.5%
45000	32.45	0.96	3039	90.1	3180	0.4331	0.4106	93.0%
48000	32.20	0.97	3045	90.0	3130	0.4339	0.4105	91.5%



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Not just Expertise. It's love. It's madness.



Technical support



Business support