



Come from BESUN, go for BEing SUN

BESUN[®] LED LIMITED

2021



BESUN[®] LED LIMITED
深圳市冰晟光电科技有限公司

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COMPANY PROFILE

BESUN LED LIMITED was founded in 2010 and is headquartered in Shenzhen. It is a high-tech company devoted to the R&D, production and sales of commercial lighting equipment for decades. With its excellent innovative concept and superior product performance, it has gradually developed into a leading brand in the field of LED-sourced commercial lighting.

The company is committed to providing lighting products for high-end commercial spaces, star-rated hotels, high-end commercial chain brands, high-end commercial real estates, and other lighting places. Products are mainly sold to Europe, America, Oceania, Southeast Asia, mainland China, Hong Kong, Macao, Taiwan, and other markets.

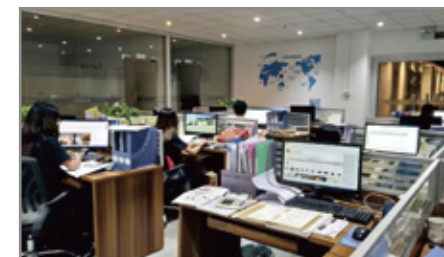
As one of the earliest manufacturers in China in the field of COB light and LED-sourced commercial lighting, BESUN has built professional R & D and design teams consisting of experienced experts and consultants. Independent research and development of products have always been a priority in the field of commercial lighting. In recent years, our research and development of a series of shapeable track lights have garnered eight core patents, including EU patents and U.S. patents. Moreover, our company also provides product customization and programming services, 24-hour 3D proofing confirmation, custom laser labels, color box packaging, and IES file testing amongst other services.

The company has obtained numerous ISO quality management system accreditations. Our products have all been accredited by CE, RoHS, ERP 2.0 amongst other EU certifications, UL, ETL, FCC, and other American certifications, and also China CCC accreditations.

Quality is the vitality of an enterprise. Our products have all been thoroughly inspected at all manufacturing stages, including more than 12 hours of automatic power-off aging impact test. All products on sale have permanent aging test records. Some products have more than 10 years of permanent aging test records.

Our company is an authorized partner of Philips and Osram for many years. Moreover, we also boast our own brand light source cooperative factory and cold-forged aluminum radiator cooperative factory. The above facilities are designed to provide customers with ultra-cost-effective products and services.

Come from BESUN, go for BEing SUN.





A decade of originality

Spot shaping/ Zoom / Projection / Smart control

Fully independent intellectual property rights, global patents, global certification!

Our products result from both professionalism and love!





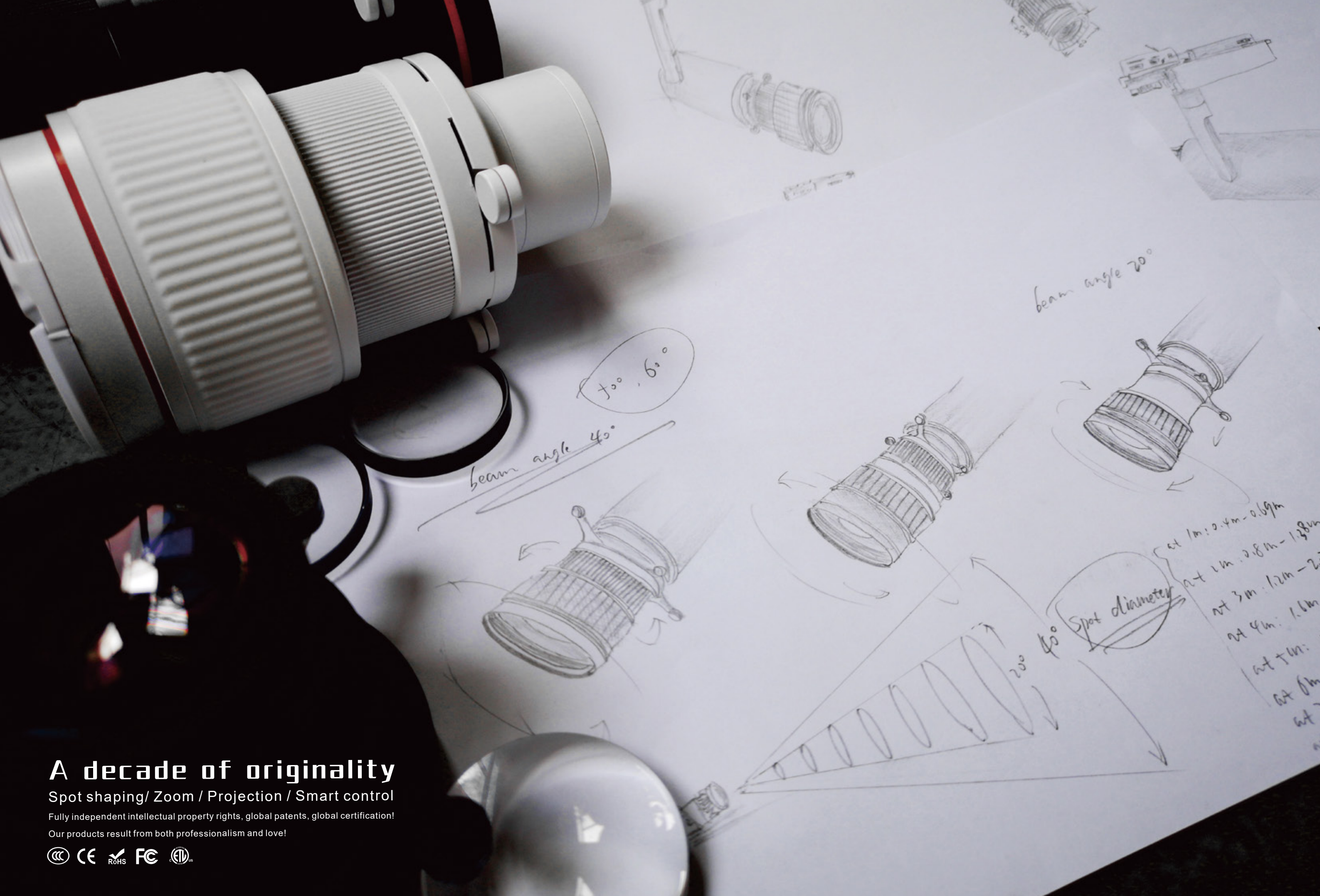
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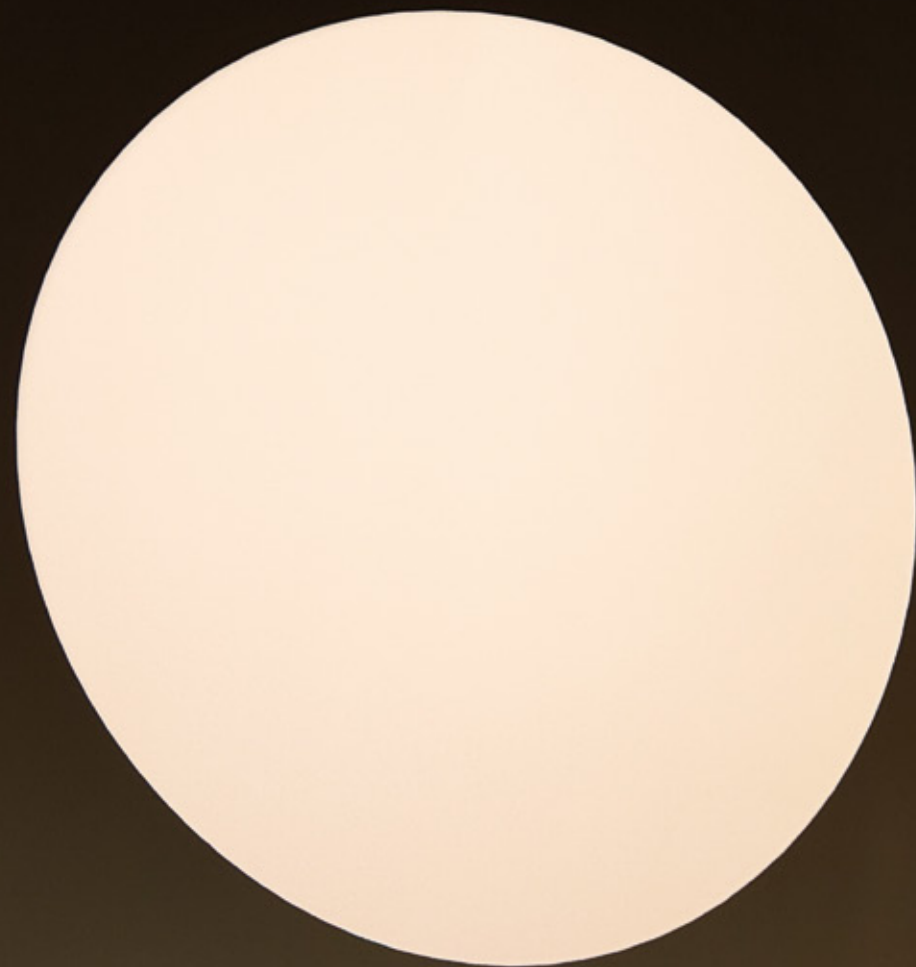
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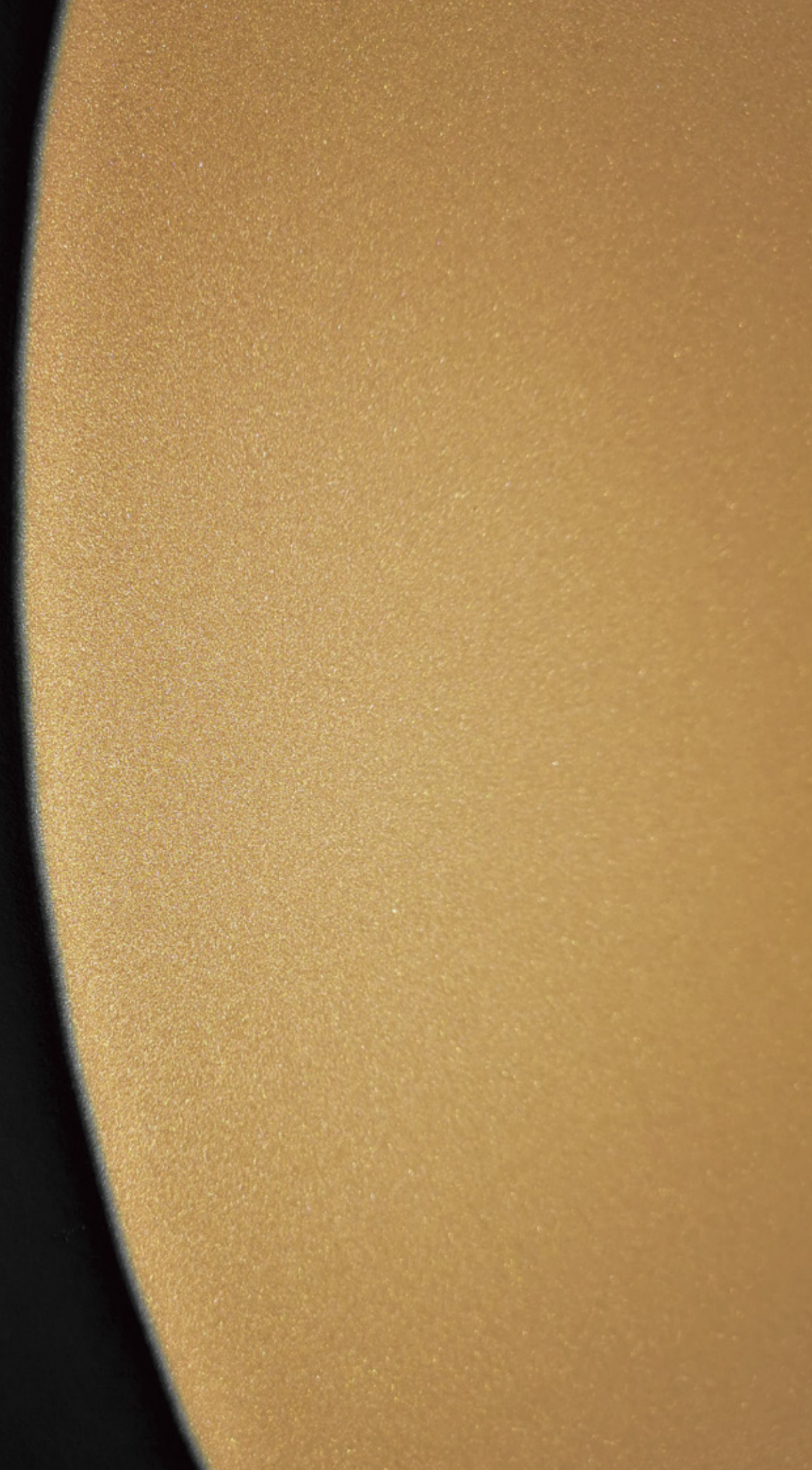


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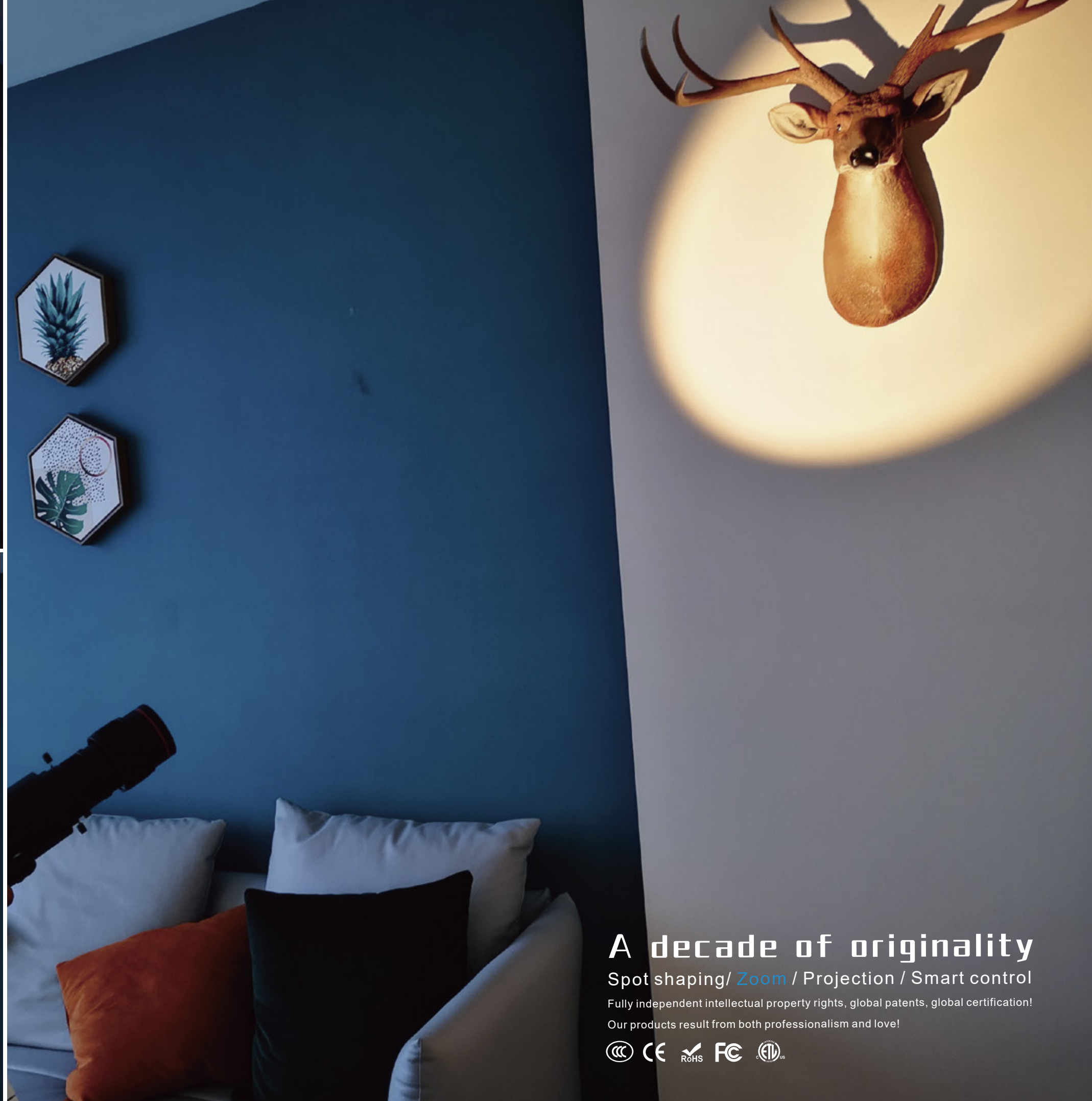
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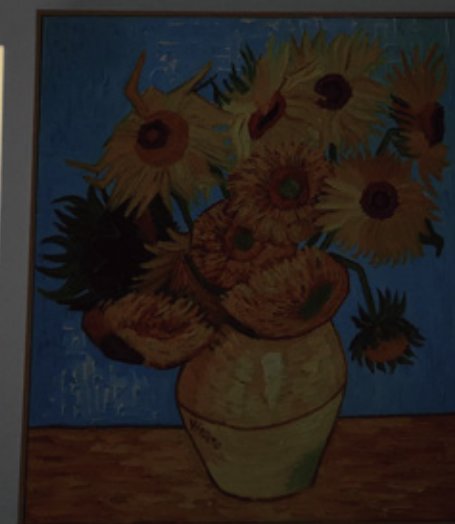
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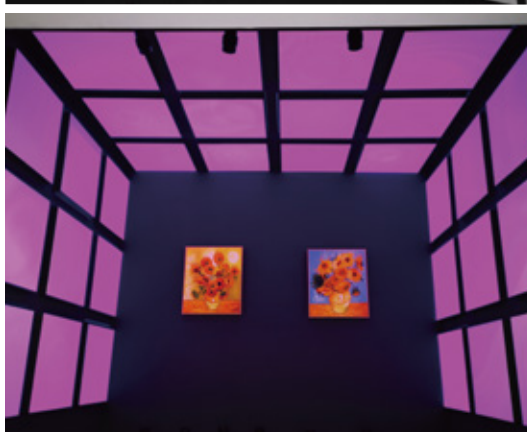
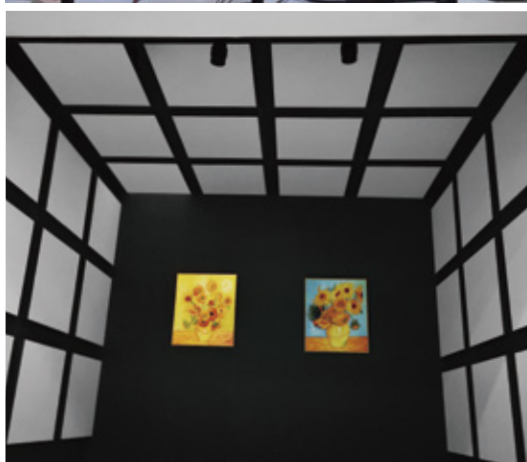
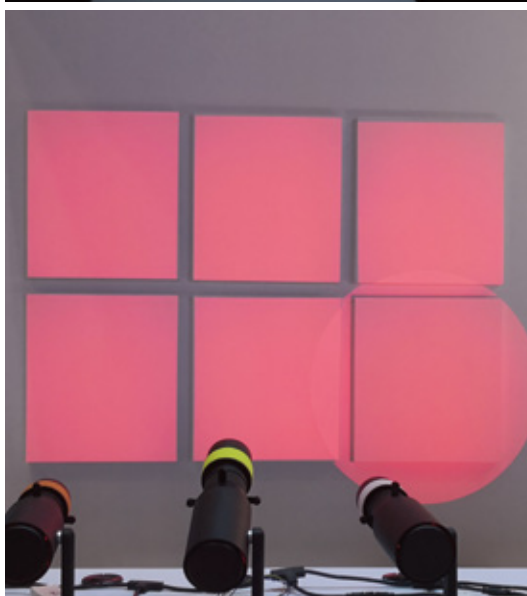
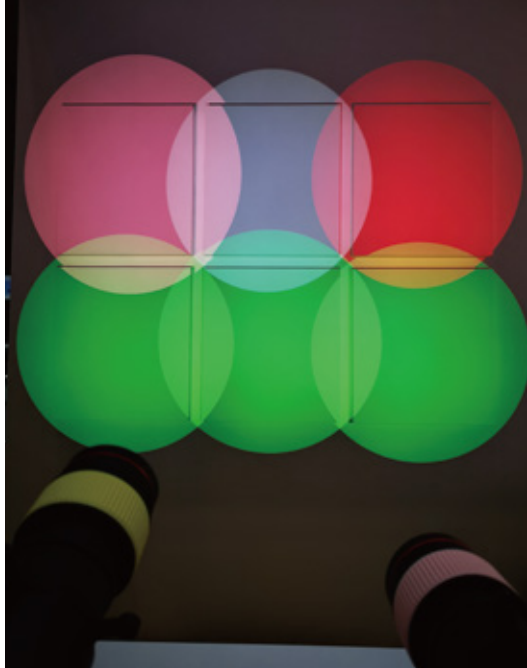


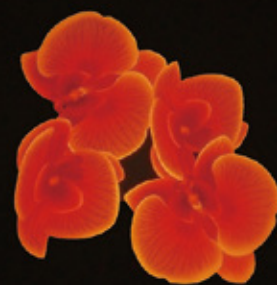
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清平乐·会昌
毛泽东
东方欲晓，莫道君行早。
踏遍青山人未老，风景这边独好。
会昌城外高峰，颠连直接东溟。
战士指看南粤，更加郁郁葱葱。

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Spot shaping/ Zoom / **Projection** / Smart control

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DQ series shapeable track lights

Spot shaping/ Zoom / Projection / Smart control

Fully independent intellectual property rights, global patents, global certification!

Bidirectional stepless linear zooming and spot shaping. Frame size 1:0.65



Industrial Grade Optical Filter

It can match a variety of industrial-grade optical filters and support the customization of special narrowband and ultra narrowband optical filters. Some filter functions can be superimposed, such as HD UV+color filter, HD UV+soft filter, amongst others.



Diffuser



ND filter



Color filter



CPL filter



UV filter

GND filter

Color filter



The luminous color of the lamp can be adjusted according to your needs.

ND filter



With electronic dimming, the small-angle illumination can be reduced to less than 75LUX, which is generally used for authentic lighting.

UV filter



It can effectively filter UV rays in LED lamps and lanterns, thus protecting the illuminated object. It delivers superior performance in silk products lighting and cultural relics lighting.

CPL filter



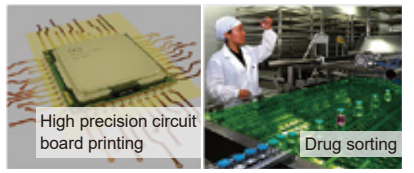
It can eliminate the reflection of the object's surface so that the object in a high luminosity environment can also display its original appearance.

GND filter



GND filter are used to alter the light ratio into the lens. For example, in illuminating the oblique side of the square position of the object, the use of gradient filters allows the even and constant illumination of the object.

Other filter



Various filters in special bands can be customized according to your actual needs. They can be used in various unique places, such as wafer cutting, high-precision circuit board printing, and drug sorting.

DQ series shapeable track lights

Spot shaping/ Zoom / Projection / Smart control

Fully independent intellectual property rights, global patents, global certification!

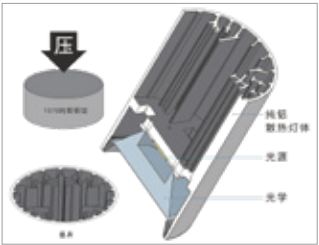
Bidirectional stepless linear zooming and spot shaping. Frame size 1:0.65



1 Cold forging integrated radiator design

A radiator made of 1070#pure aluminum and molded by molding pressure. It has high thermal conductivity, low-temperature differences, low light failure, and long service life.

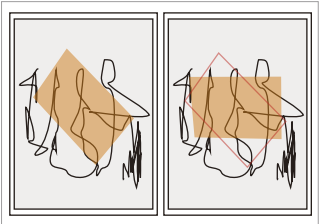
Thermal conductivity 226W/m.K



2 360° manual rotation design

Loosen the manual screw and turn the lens to achieve the 360°spot rotation adjustment function.

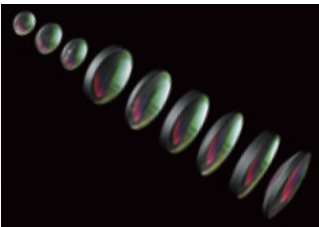
A device to solve the 360° rotation of the projection and light spot.



3 High-definition optical lens design

It is formed by a plurality of high-definition coated optical lenses. The whole lamp has the characteristics of high luminous efficiency, high spot uniformity, minor distortion, extensive linear zoom range, good spot cut-off line, etc..

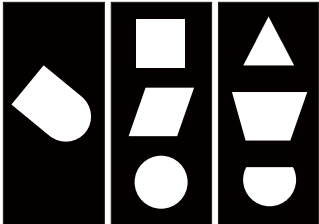
A new optical path specially designed for COB light sources.



4 Optical-grade variable aperture design

An optical diaphragm made of high-precision special material with no blurring and freezing.

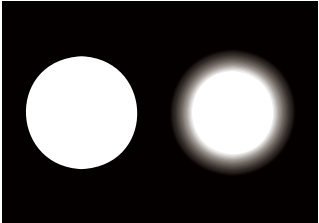
Manual insertion and removal of the light cutting device can freely change the shape of the spot.



5 Multi-layer dry damping design

The invention is a focusing device not requiring the application of lubricating oil and has a silky feel. It is stable, reliable, wear-resistant, resistant to high temperatures, and does not wear off after extended use.

Rotating the device can change the sharpness of the spot.



6 Bidirectional stepless linear zoom design

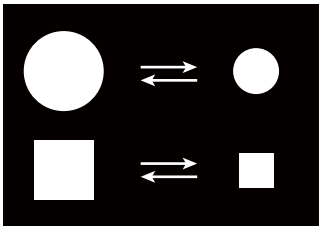
Short stroke, considerable focal length, high short-focus and long-focus recognition, visible to the naked eye, linear zoom is enhanced and more convenient.

Rotate the device to adjust the spot size.



Maximum angle

Minimum angle



7 VIP exclusive custom collar

Support VIP exclusive collar customization. The color can be customized according to customer preferences.

Available in Chinese red, crystal blue, dark night black, and ivory white.



Chinese red



Crystal blue



Dark night black



Ivory white



DD series shapeable track lights

Spot shaping/ Zoom / Projection / Smart control

Fully independent intellectual property rights, global patents, global certification!

Bidirectional stepless linear zooming and spot shaping. Frame size 1:0.65

From the spiritual level, human metaphors and pursuits for light appear countless times in those great paintings, pieces of literature, film, television, and sculpture. They become the precious spiritual wealth of mankind. If light can be used to tell a story, then the only limitation is the imagination of the storyteller himself.



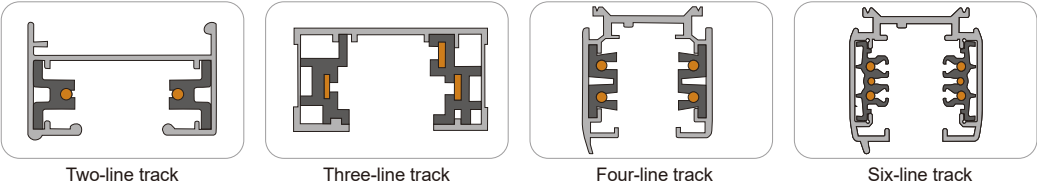
DQ series shapeable track lights



DQ series shapeable track light is a multifunctional product integrating light cutting, zooming, projection and smart control. It is a product with completely independent intellectual property rights and global patents. It supports the adjustment of the shape, size and sharpness of light spot. The light spot shape can be adjusted arbitrarily by blocking light imaging with the insert.



Track Support



Installation effect



Spot effect



DIP color temperature coupled with the single lamp knob dimming design can easily achieve single lamp dimming, spot shaping and color temperature adjustment. It can be used alone or can alternatively be equipped with other dimming devices.



Control support

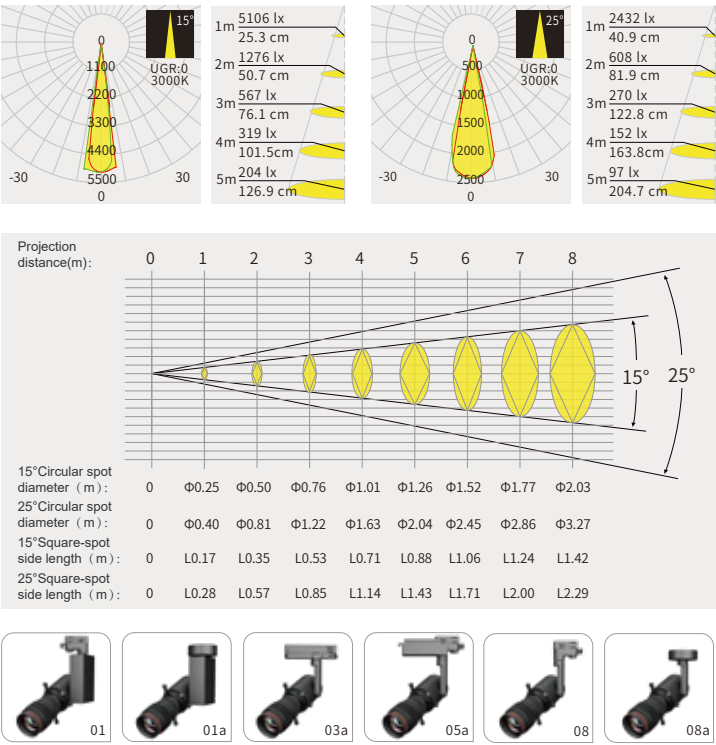


Support 1-10V, DMX, DALI, ZIGBEE, and other mainstream control. Can also be connected with Tuya, Amazon, Google, and other smart AI control systems.

Projection support

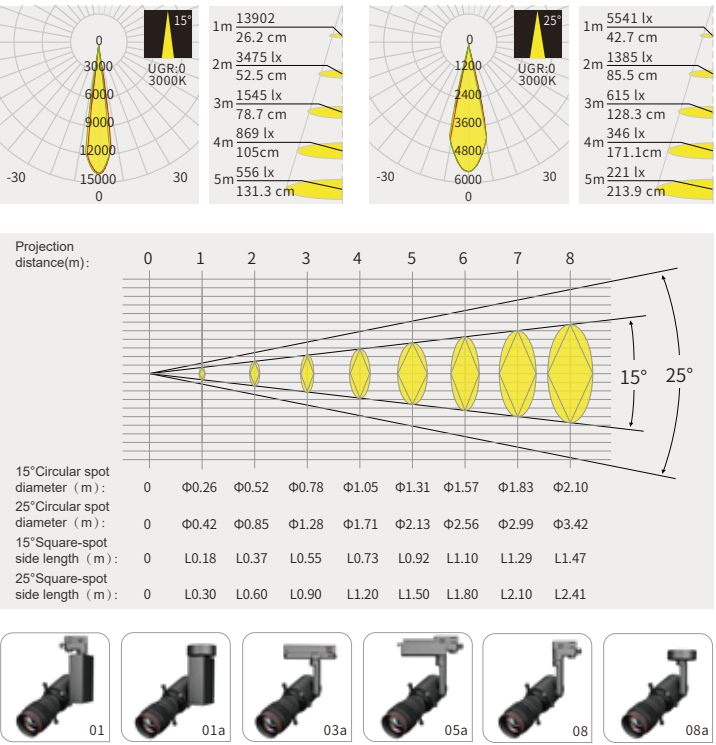


DQ series shapeable track lights
T1008S-4525



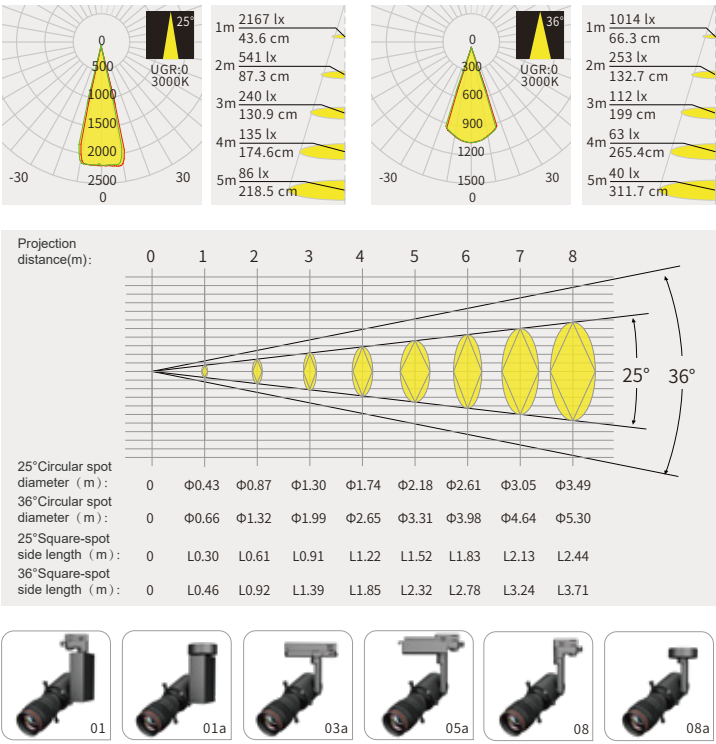
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T1008S	10W	300~350LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support (pick one from two)	0.65Kg	37mm	Black/white

DQ series shapeable track lights
T2008S-7525



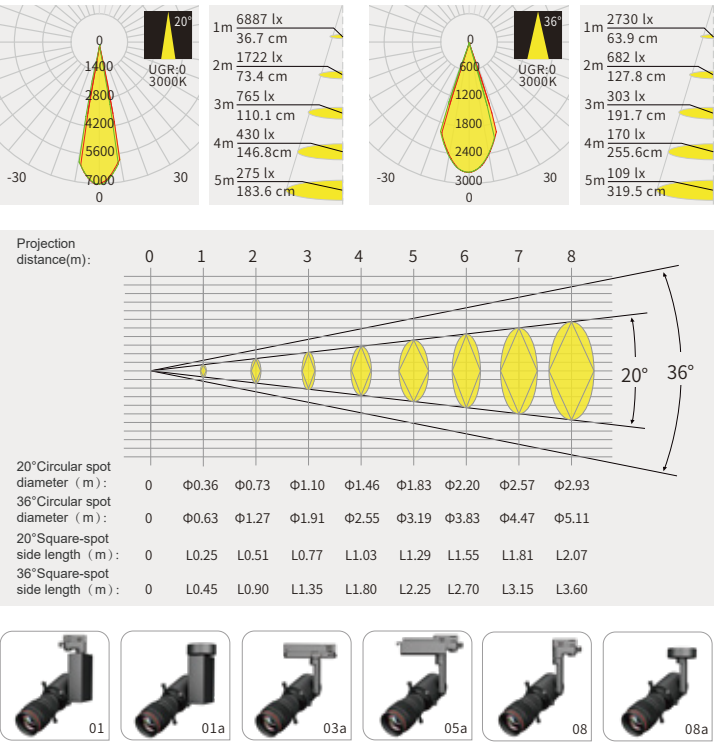
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T2008S	20W	650~750LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support	1.41Kg	67mm	Black/white

DQ series shapeable track lights
T1008S-4536



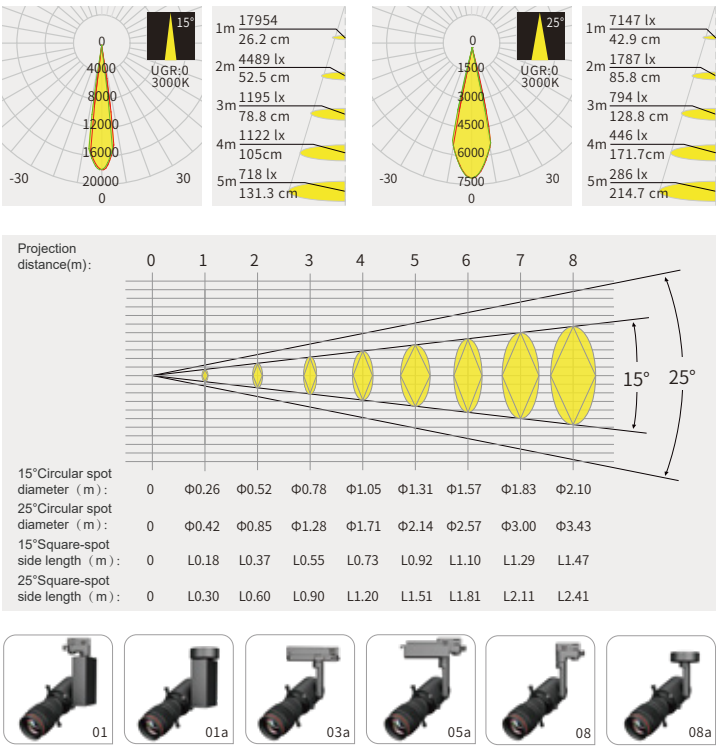
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T1008S	10W	300~350LM	Ra≥97	2700K/3000K/4000K	25°~36°	Support (pick one from two)	0.65Kg	37mm	Black/white

DQ series shapeable track lights
T2008S-7536



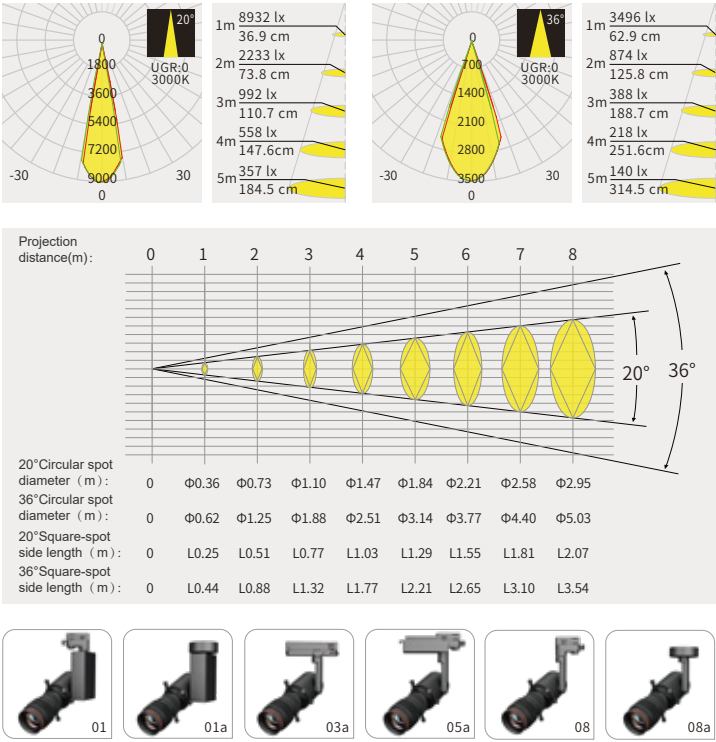
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T2008S	20W	650~750LM	Ra≥97	2700K/3000K/4000K	20°~36°	Support	1.41Kg	67mm	Black/white

DQ series shapeable track lights
T3008S-7525



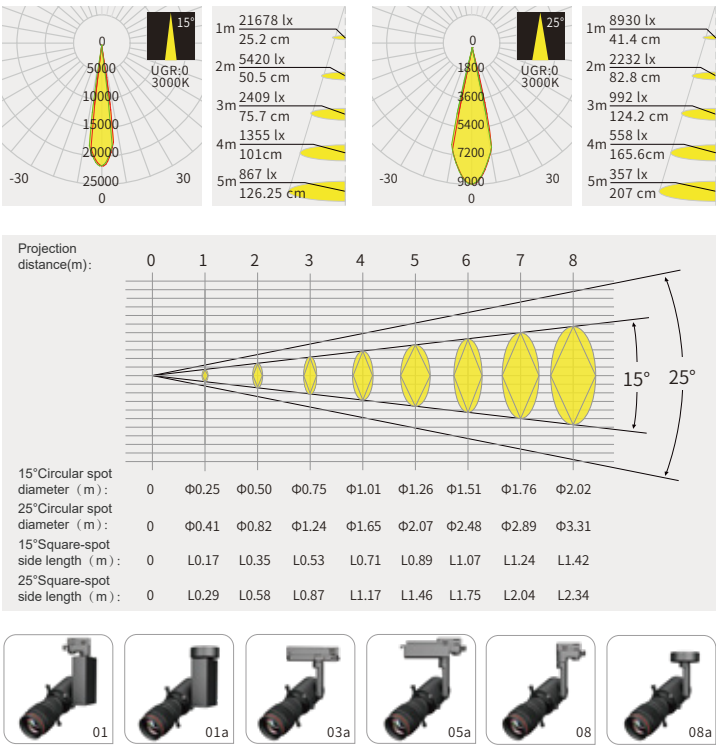
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T3008S	28W	850~950LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support	1.53Kg	67mm	Black/white

DQ series shapeable track lights
T3008S-7536



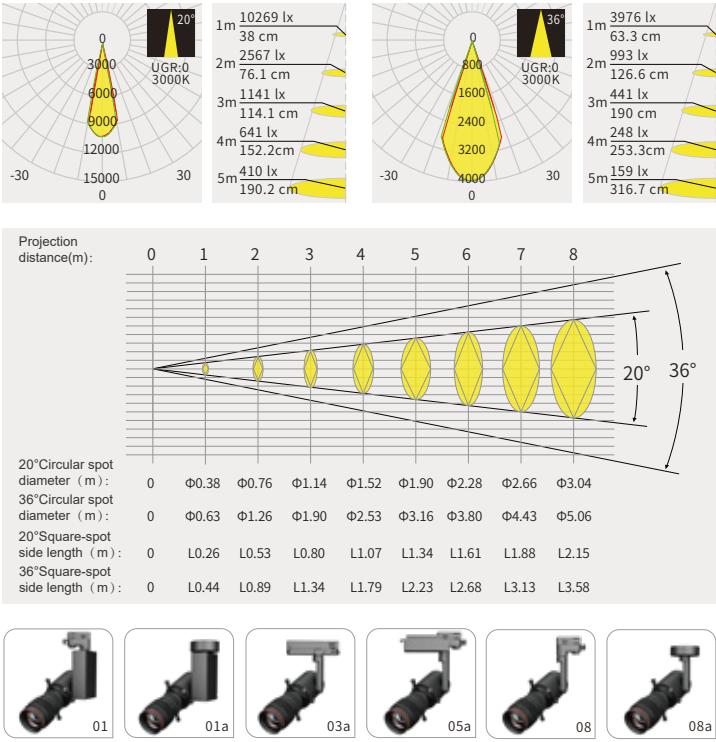
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T3008S	28W	850~950LM	Ra≥97	2700K/3000K/4000K	20°~36°	Support	1.53Kg	67mm	Black/white

DQ series shapeable track lights
T4008S-7525



Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T4008S	37W	1050~1200LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support	1.62Kg	67mm	Black/white

DQ series shapeable track lights
T4008S-7536



Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T4008S	37W	1050~1200LM	Ra≥97	2700K/3000K/4000K	20°~36°	Support	1.62Kg	67mm	Black/white

Projection Functions

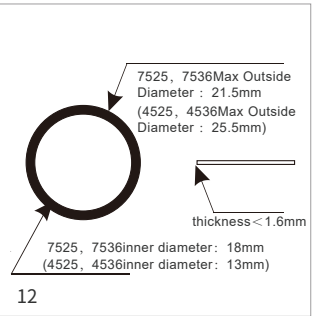
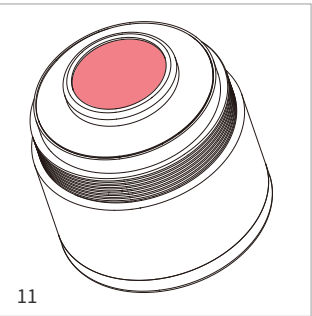
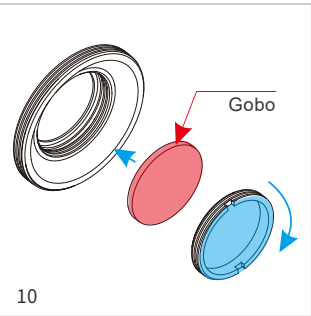
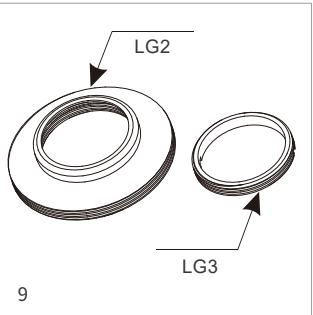
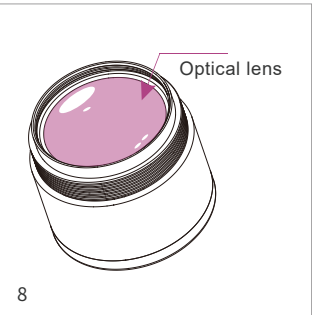
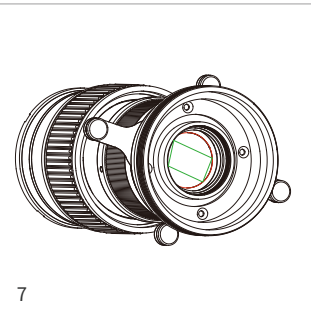
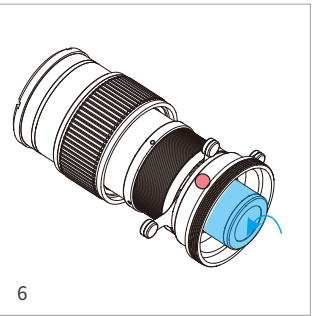
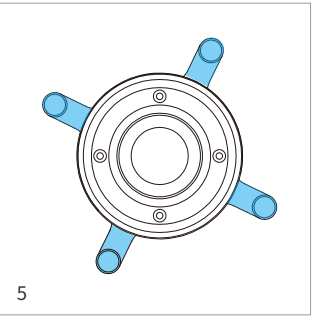
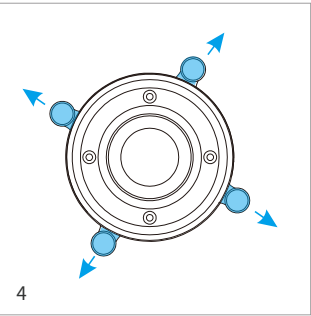
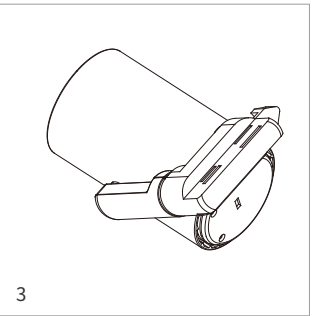
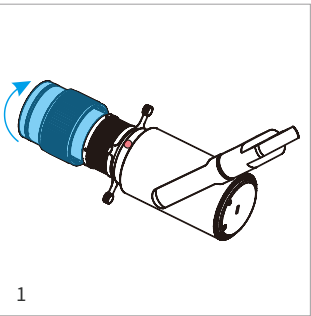
I . First, tighten the hand screw shown in Figure 1 (red part), rotate and separate the main body portion of the lens (blue part) from the lamp body. Figure 2 is the separated optical lens portion; Figure 3 is the separated lamp body portion.

II . Stretch the four diaphragm sheets on the optical lens of Figure 4 outward to the maximum extent, as shown in Figure 5.

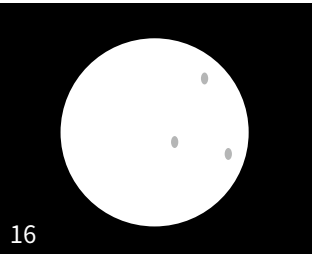
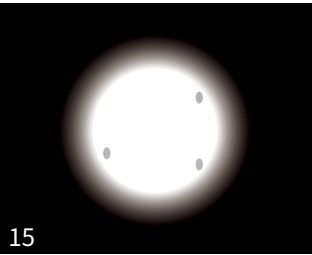
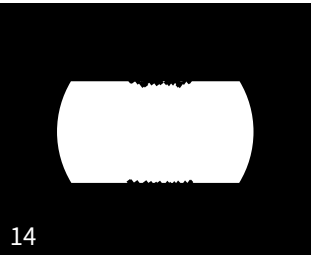
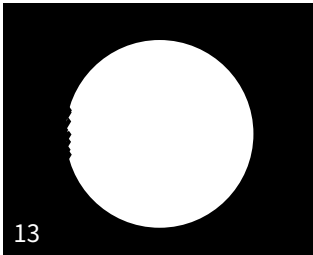
III. Unscrew the blue part of the optical components at the bottom of the lens in Figure 6, and separate it as shown in Figures 7 and 8.

IV. Find the gobe device distributed by the manufacturer as shown in Figure 9. Install the gobe as described in Figure 10 and then load it into the optical components shown in Figure 8, installed as shown in Figure 11. Then install the optical lens back to Figure 11, as shown in Figure 6. Install the lens back to the lamp body, as shown in Figure 1. The LOGO lamp assembly is completed.

V. You can design and make a variety of image gobo. The specifications are shown in Figure 12.



Daily maintenance

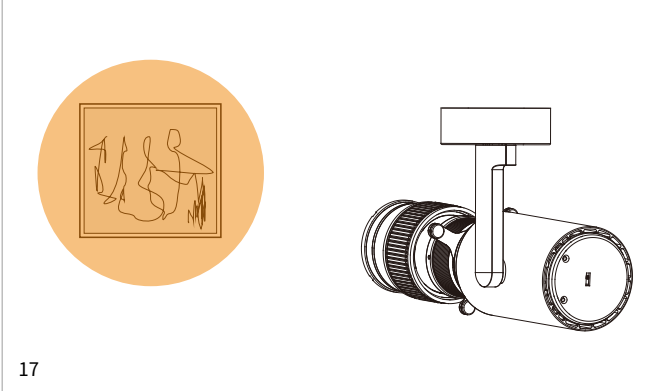


I .When the edge of the circular spot becomes rough or granular (Figure 13), please open the lens and wipe the red part in Figure 7 with a dust-free cloth or eyeglass cloth.

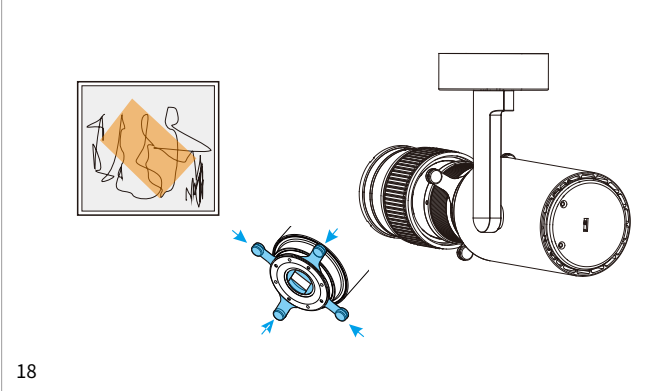
II .When the edge of the square spot becomes rough or granular (Figure 14), please open the lens and wipe the green edge in Figure 7 with a dust-free cloth or eyeglass cloth.

III. When small shadows or particles appear in the middle or edge of any spot (Figure 15, 16), open the lens and wipe the optical lens in Figure 8 with a dust-free cloth or eyeglass cloth.

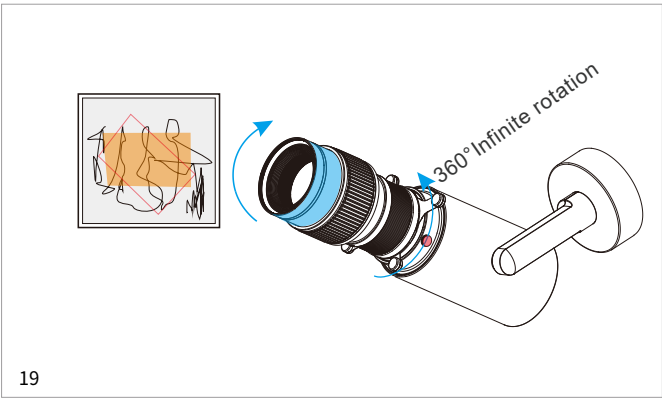
Instruction Manual



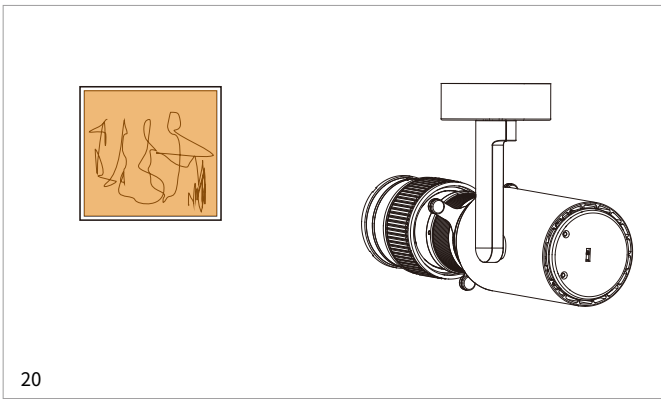
I .Adjust the aperture to the appropriate size, and facing the center of the irradiated object, adjust the sharpness to a reasonable degree, as shown in Figure 17.



II .Pull the four diaphragm sheets outward to the maximum, and then push one by one vertically inward, to ensure that the cut square spot is smaller than the object to be illuminated, and adjust the sharpness of the aperture again until satisfactory, as shown in Figure 18.



III. If the shape of the spot does not match the object to be illuminated, first loosen the hand screw at the red mark, rotate the blue part of the lens, adjust the edge of the spot to be parallel to the edge of the object to be illuminated, and finally tighten the hand screw. As shown in Figure 19, the LOGO projection direction not matching can also be adjusted to the ideal direction using this method.

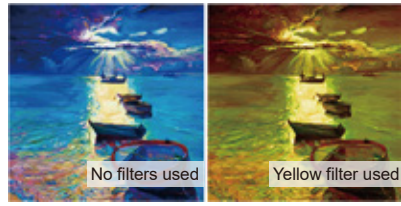


IV. Stretch the diaphragm sheet one by one outward until the spot size is substantially consistent with the object, as shown in Figure 20. If you are not satisfied with the effect, it is recommended to repeat the operation according to the above steps to bring up the spot effect you are happy with.

Important Notes

1. When replacing the projector, be sure to pull all four diaphragm sheets outward to the maximum extent and then load the projection device. Otherwise, it may damage the lens parts, affecting the spot shaping effect.
2. Do not remove the rest of the lens except for replacing the projection unit and routine lens maintenance. If the lens cannot be used normally due to manual disassembly, the company does not provide maintenance and warranty services.
3. Track-type shapeable track light is generally heavier than ordinary track lights. Please determine whether the installation conditions are allowed before installation.
4. The lens does not contain any repair accessories. Please do not disassemble the lens without permission. Unauthorized disassembly will not be repaired or returned.

Color filter



The luminous color of the lamp can be adjusted according to your needs.

ND filter



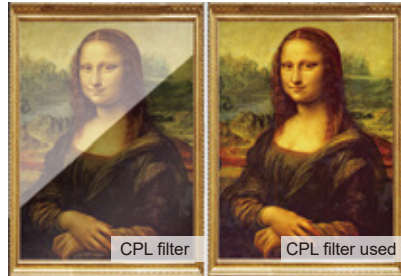
With electronic dimming, the small-angle illumination can be reduced to less than 75LUX, which is generally used for authentic lighting.

UV filter



It can effectively filter UV rays in LED lamps and lanterns, thus protecting the illuminated object. It delivers superior performance in silk products lighting and cultural relics lighting.

CPL filter



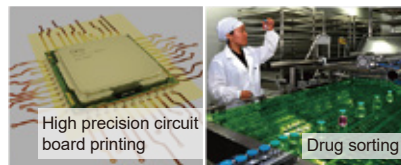
It can eliminate the reflection of the object's surface so that the object in a high luminosity environment can also display its original appearance.

GND filter



GND filter are used to alter the light ratio into the lens. For example, in illuminating the oblique side of the square position of the object, the use of gradient filters allows the even and constant illumination of the object.

Other filter



Various filters in special bands can be customized according to your actual needs. They can be used in various unique places, such as wafer cutting, high-precision circuit board printing, and drug sorting.

GZ series shapeable track lights

Spot shaping/ Zoom / Projection / Smart control

Fully independent intellectual property rights, global patents, global certification!

Dry stepless linear zooming and spot shaping. Frame size 1: 0.8



Industrial Grade Optical Filter

It can match a variety of industrial-grade optical filters and support the customization of special narrowband and ultra narrowband optical filters. Some filter functions can be superimposed, such as HD UV+color filter, HD UV+soft filter, amongst others.



GZ series shapeable track lights

Spot shaping/ Zoom / Projection / Smart control

Fully independent intellectual property rights, global patents, global certification!

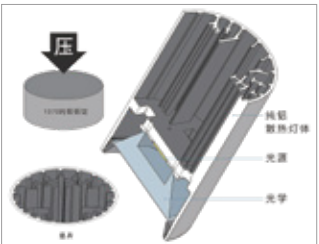
Dry stepless linear zooming and spot shaping. Frame size 1: 0.8



① Cold forging integrated radiator design

A radiator made of 1070#pure aluminum and molded by molding pressure. It has high thermal conductivity, low-temperature differences, low light failure, and long service life.

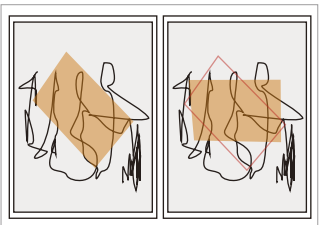
Thermal conductivity 226W/m.K



② 360° manual rotation design

Loosen the manual screw and turn the lens to achieve the 360°spot rotation adjustment function.

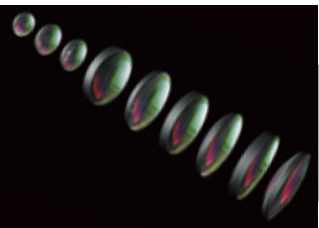
Device to solve the 360° rotation of the projection and light spot.



③ High-definition optical lens design

It is formed by a plurality of high-definition coated optical lenses. The whole lamp has the characteristics of high luminous efficiency, high spot uniformity, minor distortion, extensive linear zoom range, good spot cut-off line, etc..

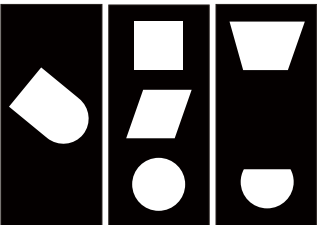
A new optical path specially designed for COB light sources.



④ Optical-grade variable aperture design

An optical diaphragm made of high-precision special material with no blurring and freezing.

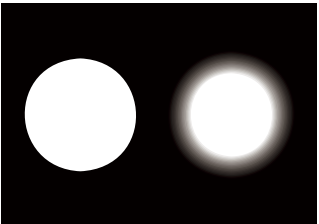
Manual insertion and removal of the light cutting device can freely change the shape of the spot.



⑤ Multi-layer dry damping design

The invention is a focusing device not requiring the application of lubricating oil and has a silky feel. It is stable, reliable, wear-resistant, resistant to high temperatures, and does not wear off after extended use.

Rotating the device can change the sharpness of the spot.



⑥ Multi-layer dry damping design

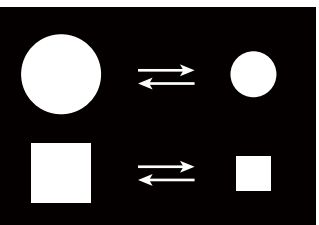
Short stroke, considerable focal length, high short-focus and long-focus recognition, visible to the naked eye, linear zoom is enhanced and more convenient.

Rotate the device to adjust the spot size.



Maximum angle

Minimum angle





GZ series shapeable track lights

Spot shaping/ Zoom / Projection / Smart control

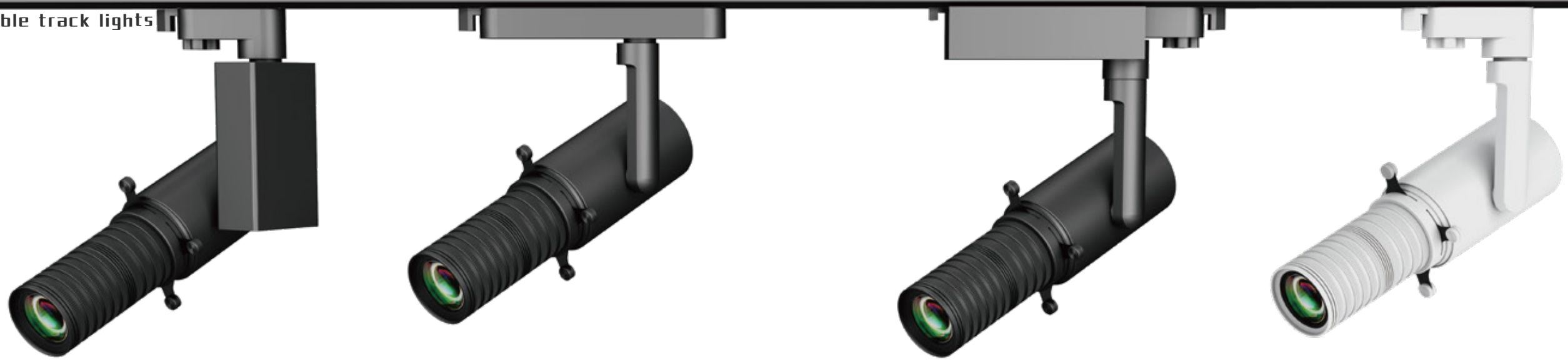
Fully independent intellectual property rights, global patents, global certification!

Dry stepless linear zooming and spot shaping. Frame size 1: 0.8

There can never be only one lighting design solution. The possibilities in the design are limitless. Moreover, the spirit of the times, cultural background, abstract concepts, and even the personal characteristics of the designer can be different and diverse. We look for the most suitable way of light expression in this infinite possibility.



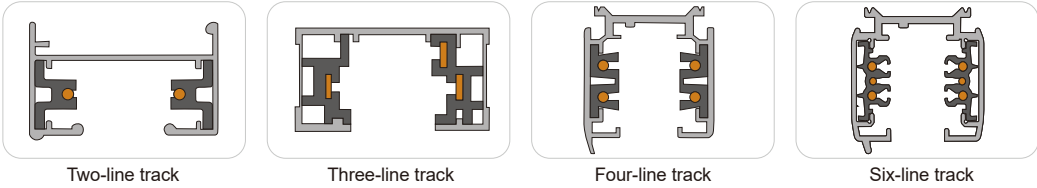
GZ series shapeable track lights



GZ series shapeable track light features a compact design, with dry mechanical damping system. It achieves stable and reliable front and rear zoom, spot shaping and projection, ultra-high cost performance, very suitable for the current new commercial lighting design and no main lamp design. Its photo-electric performance is the same as DQ Series.



Track Support



Installation effect



Spot effect



DIP color temperature coupled with the single lamp knob dimming design can easily achieve single lamp dimming, spot shaping and color temperature adjustment. It can be used alone or can alternatively be equipped with other dimming devices.



Control support

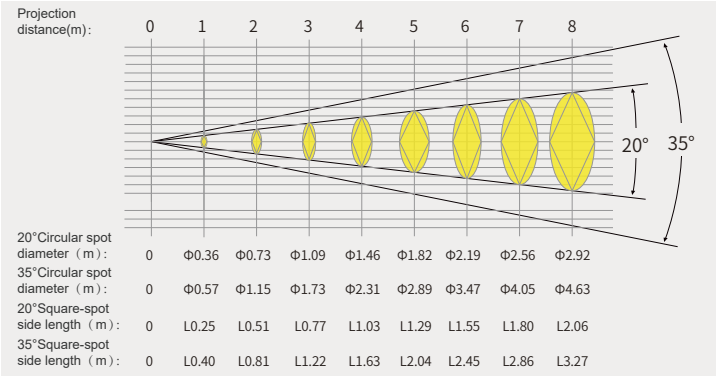
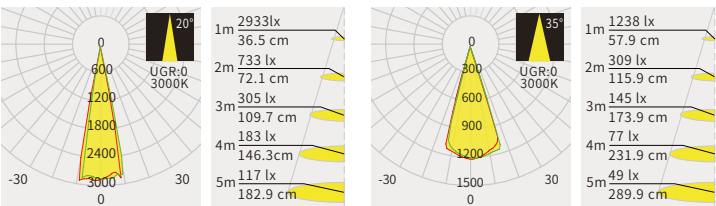


Support 1-10V, DMX, DALI, ZGEBI, and other mainstream control. Can also be connected with Huawei, Tuya, Xiaomi, Tmall Elf, Amazon, Google, and other smart AI control systems.

Projection support

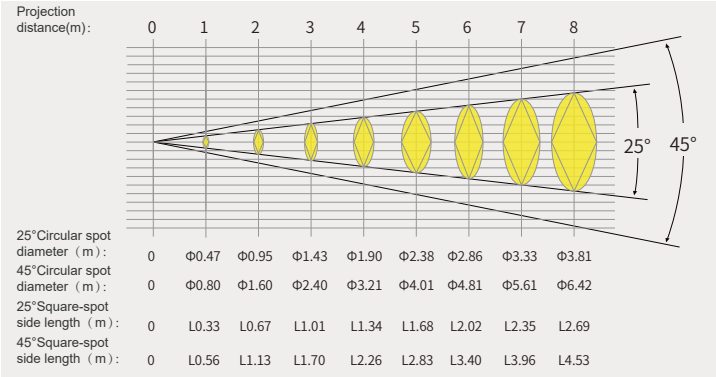
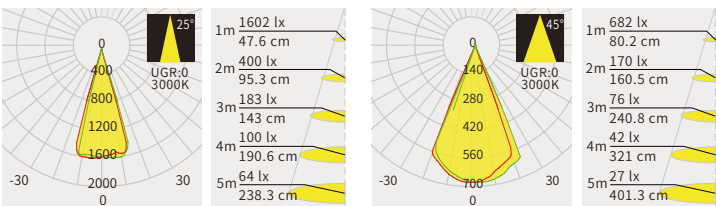


GZ series shapeable track lights
T1008L-3635



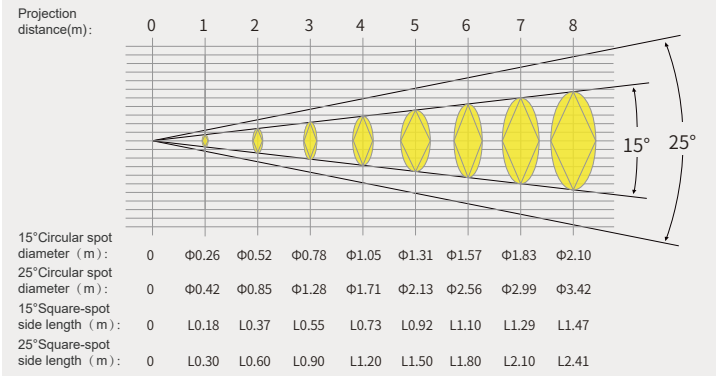
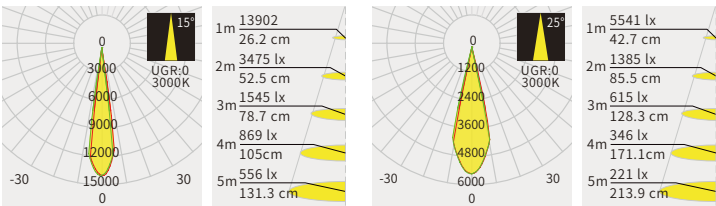
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T1008L	10W	300~350LM	Ra≥97	2700K/3000K/4000K	20°~35°	Support (pick one from two)	0.61Kg	32mm	Black/white

GZ series shapeable track lights
T1008L-3645



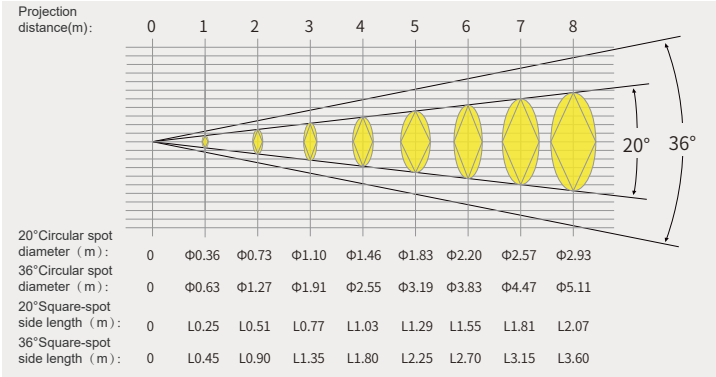
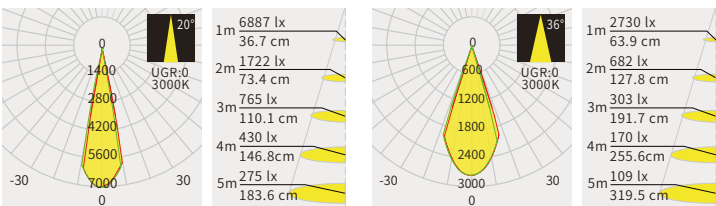
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T1008L	10W	300~350LM	Ra≥97	2700K/3000K/4000K	25°~45°	Support (pick one from two)	0.61Kg	32mm	Black/white

GZ series shapeable track lights
T2008L-6025



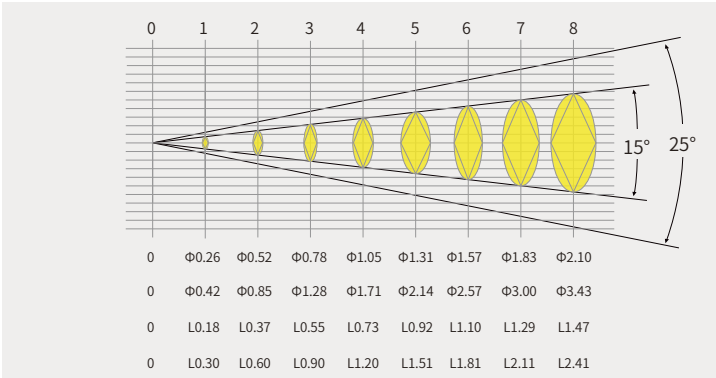
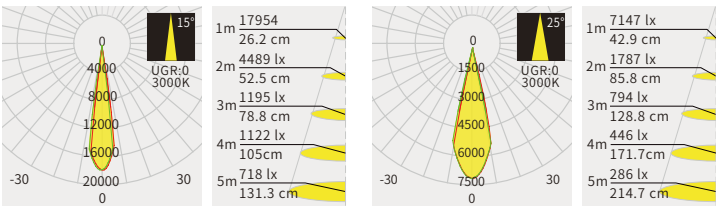
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T2008L	20W	650~750LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support	1.21Kg	58mm	Black/white

GZ series shapeable track lights
T2008L-6036



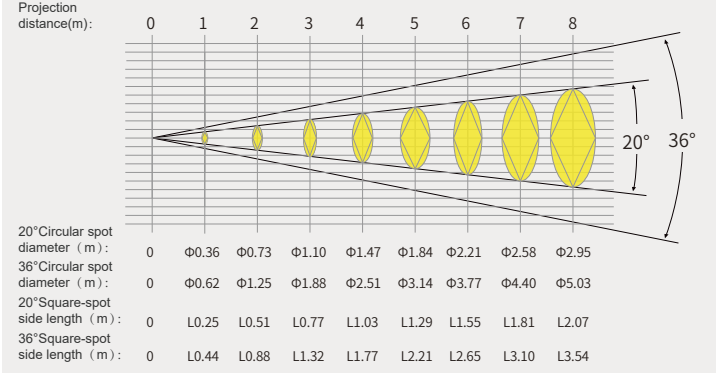
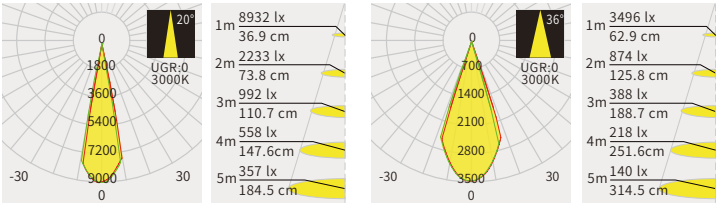
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T2008L	20W	650~750LM	Ra≥97	2700K/3000K/4000K	20°~36°	Support	1.21Kg	58mm	Black/white

GZ series shapeable track lights
T3008L-6025



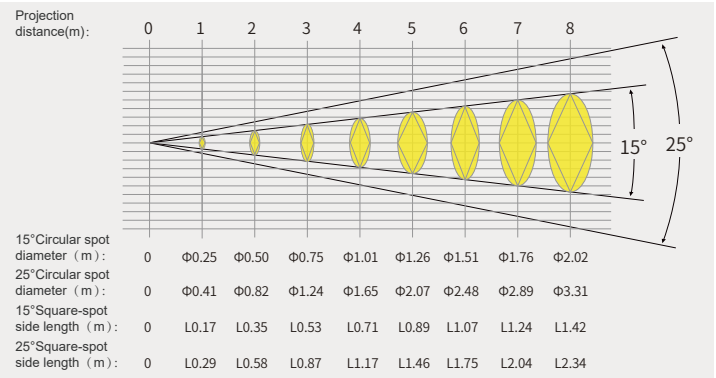
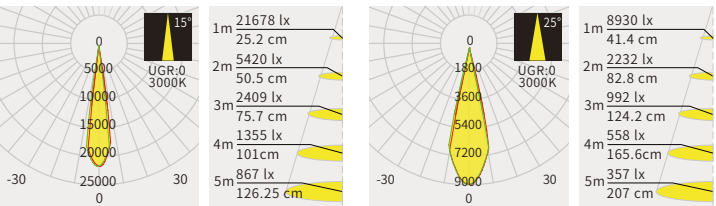
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T3008L	28W	850~950LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support	1.29Kg	58mm	Black/white

GZ series shapeable track lights
T3008L-6036



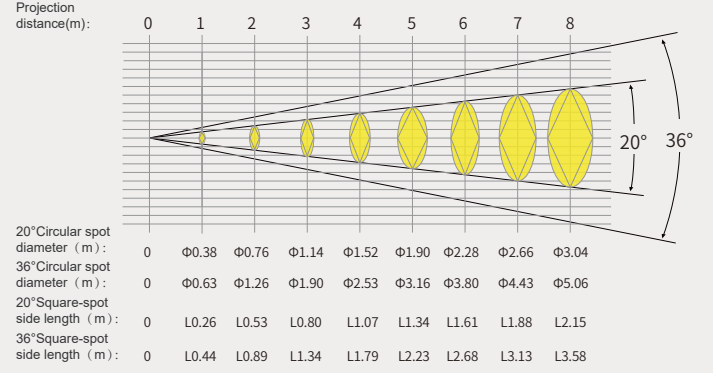
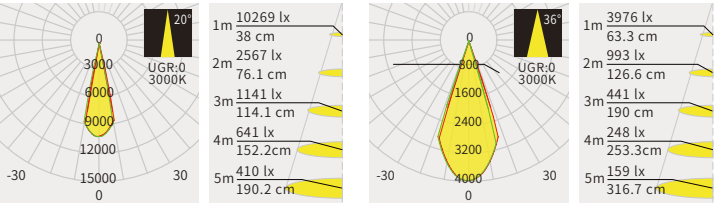
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T3008L	28W	850~950LM	Ra≥97	2700K/3000K/4000K	20°~36°	Support	1.29Kg	58mm	Black/white

GZ series shapeable track lights
T4008L-6025



Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T4008L	37W	1050~1200LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support	1.41Kg	58mm	Black/white

GZ series shapeable track lights
T4008L-6036

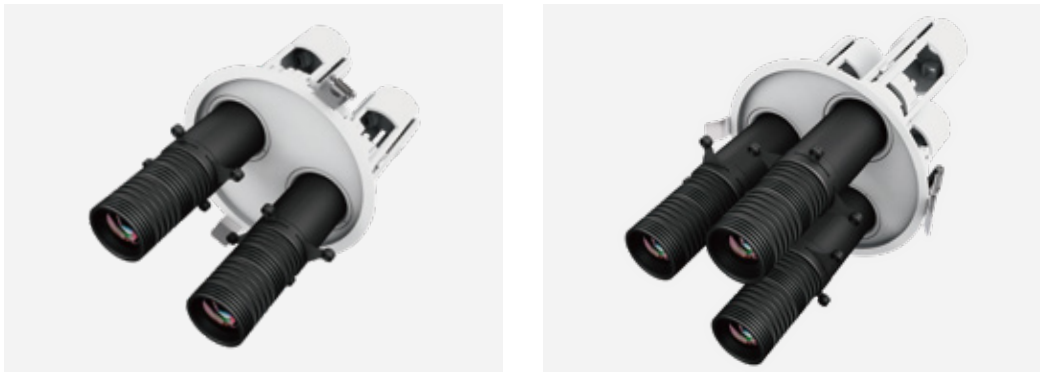
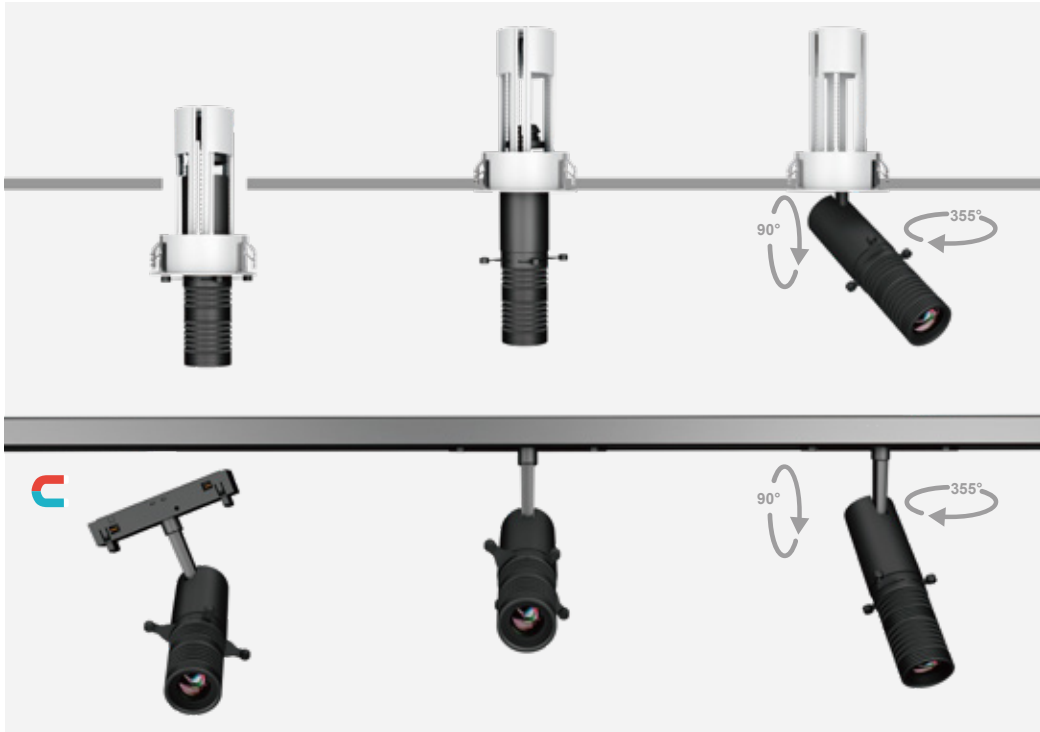


Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T4008L	37W	1050~1200LM	Ra≥97	2700K/3000K/4000K	20°~36°	Support	1.41Kg	58mm	Black/white

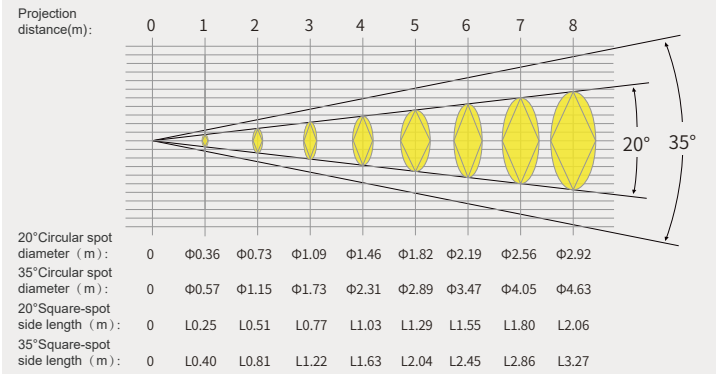
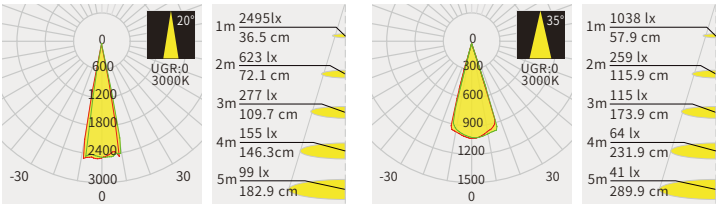
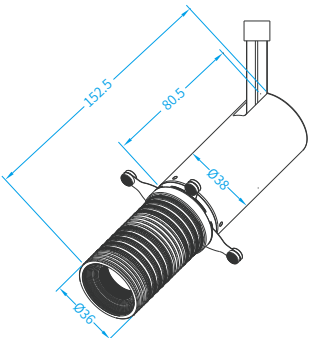
GZ series shapeable track lights



A mini shapeable track light with a maximum diameter of only 36mm, the maximum angle of up to 45 degrees. Suitable for any commercial lighting. Support embedded installation, magnetic installation, and track installation. Photoelectric performance is the same to the DQ series.

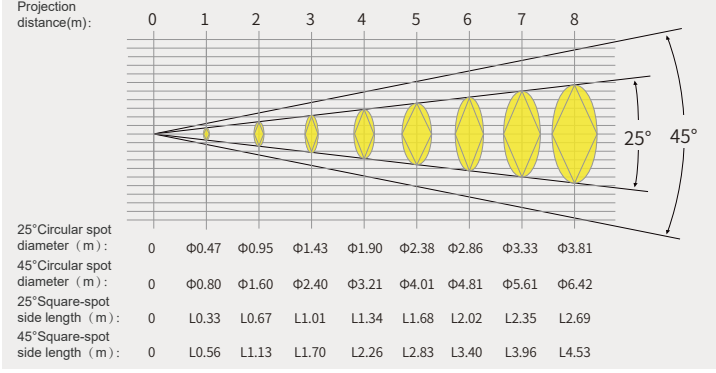
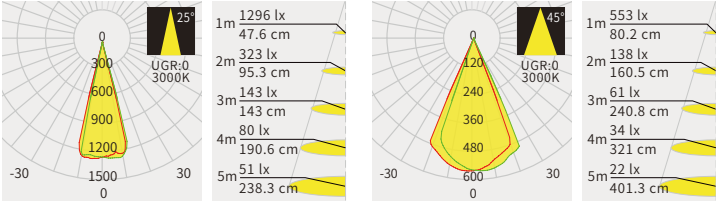
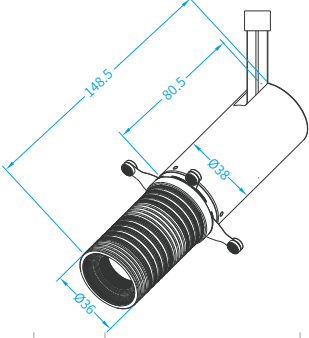
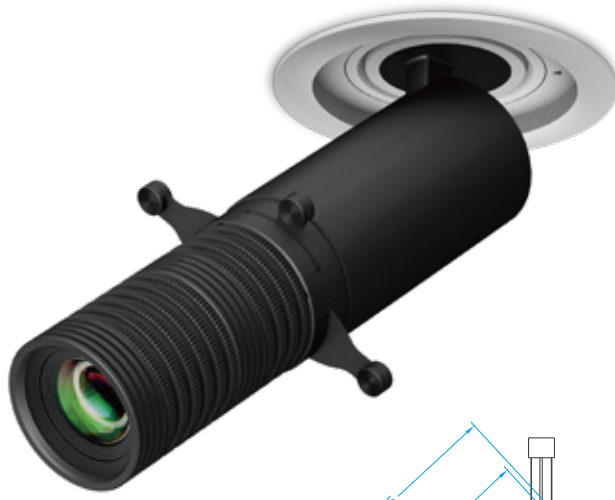


GZ series shapeable track lights
D0870L-3635



Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
D0870L	8W	250~300LM	Ra≥97	2700K/3000K/4000K	20°~35°	nonsupport	0.37Kg	32mm	Black/white

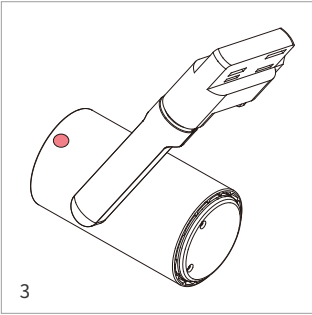
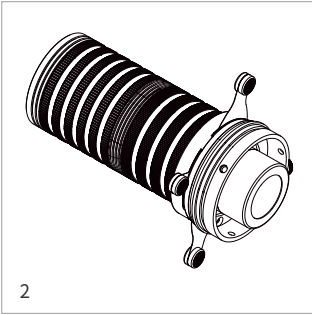
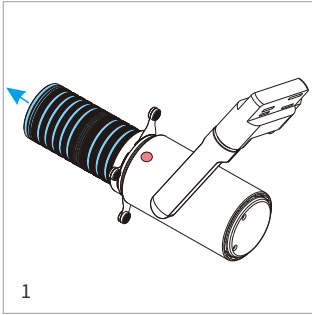
GZ series shapeable track lights
D0870L-3645



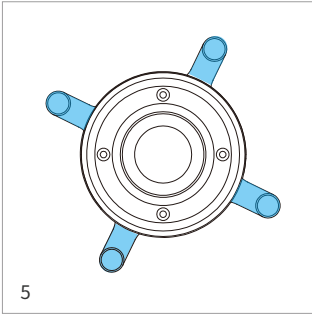
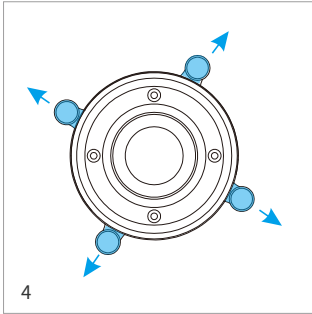
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
D0870L	8W	250~300LM	Ra≥97	2700K/3000K/4000K	25°~45°	nonsupport	0.37Kg	32mm	Black/white

Projection Functions

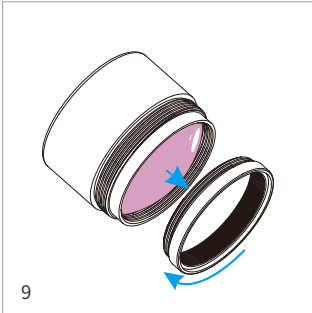
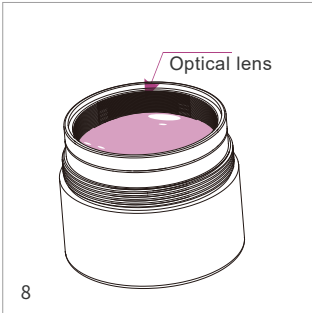
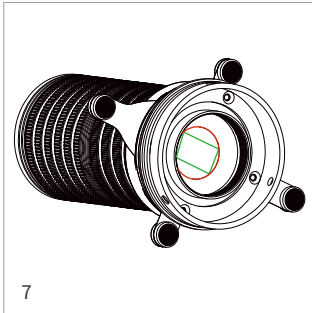
I. First loosen and pull out the hand screw (red part) shown in FIG. 1, and then pull out the main part of the lens (blue area) and separate it from the lamp body; Figure 2 shows the part of the optical lens after separation, and Figure 3 shows the part of the lamp body after separation.



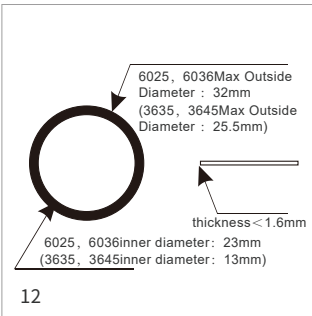
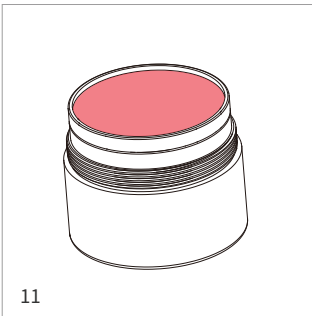
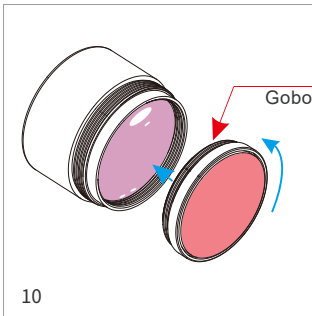
II. Stretch the four diaphragm sheets on the optical lens of Figure 4 outward to the maximum extent, as shown in Figure 5.



III. Unscrew the blue part of the optical components at the bottom of the lens in Figure 6, and separate it as shown in Figures 7 and 8. Then separate the lens face ring in FIG. 8 as shown in FIG. 9.



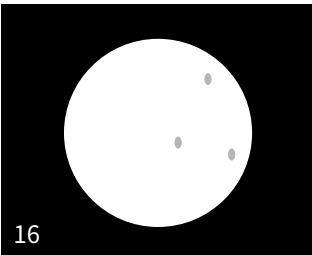
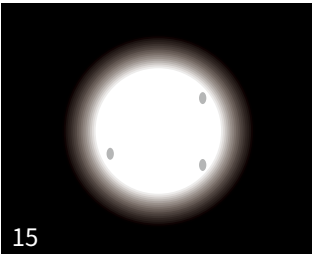
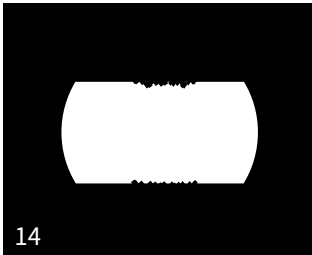
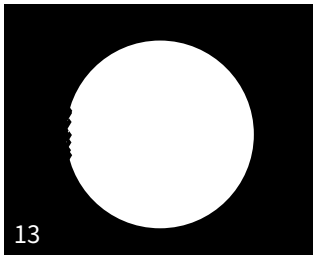
IV. Find the gobo device delivered by the manufacturer (the red part in Figure 10), install the gobo device as shown in Figure 10, and then reinstall the optical lens as shown in Figure 11, and then reinstall the lens as shown in Figure 6, and then reinstall the lamp body as shown in Figure 1. The LOGO lamp assembly is complete.



V. You can design and make a variety of image gobo. The specifications are shown in Figure 12.



Daily maintenance

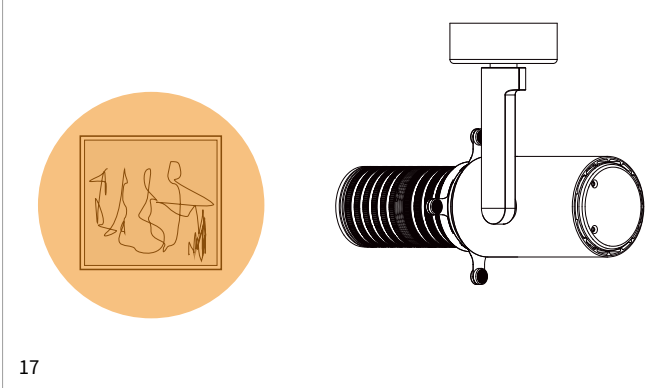


I. When the edge of the circular spot becomes rough or granular (Figure 13), please open the lens and wipe the red part in Figure 7 with a dust-free cloth or eyeglass cloth.

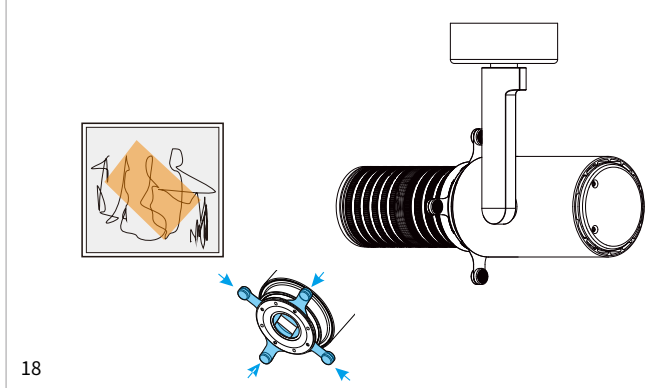
II. When the edge of the square spot becomes rough or granular (Figure 14), please open the lens and wipe the green edge in Figure 7 with a dust-free cloth or eyeglass cloth.

III. When small shadows or particles appear in the middle or edge of any spot (Figure 15, 16), open the lens and wipe the optical lens in Figure 8 with a dust-free cloth or eyeglass cloth.

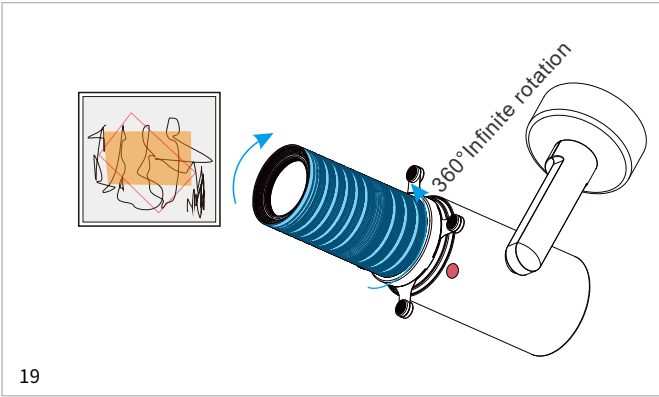
Instruction Manual



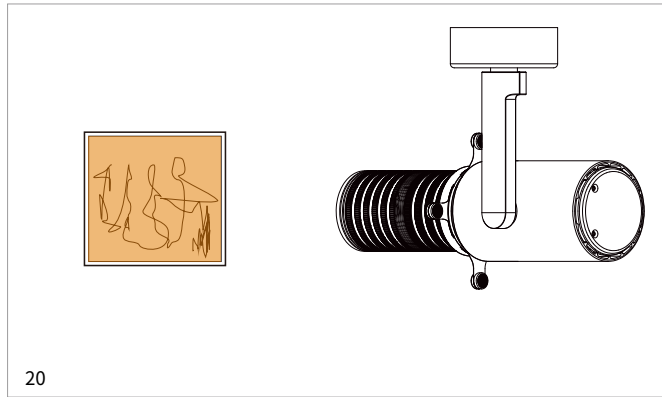
I. Adjust the aperture to the appropriate size, and facing the center of the irradiated object, adjust the sharpness to a reasonable degree, as shown in Figure 17.



II. Pull the four diaphragm sheets outward to the maximum, and then push one by one vertically inward, to ensure that the cut square spot is smaller than the object to be illuminated, and adjust the sharpness of the aperture again until satisfactory, as shown in Figure 18.



III. If the shape of the spot does not match the object to be illuminated, first loosen the hand screw at the red mark, rotate the blue part of the lens, adjust the edge of the spot to be parallel to the edge of the object to be illuminated, and finally tighten the hand screw. As shown in Figure 19, the LOGO projection direction not matching can also be adjusted to the ideal direction using this method.



IV. Stretch the diaphragm sheet one by one outward until the spot size is substantially consistent with the object, as shown in Figure 20. If you are not satisfied with the effect, it is recommended to repeat the operation according to the above steps to bring up the spot effect you are happy with.

Important Notes

1. When replacing the projector, be sure to pull all four diaphragm sheets outward to the maximum extent and then load the projection device. Otherwise, it may damage the lens parts, affecting the spot shaping effect.
2. Do not remove the rest of the lens except for replacing the projection unit and routine lens maintenance. If the lens cannot be used normally due to manual disassembly, the company does not provide maintenance and warranty services.
3. Track-type shapeable track light is generally heavier than ordinary track lights. Please determine whether the installation conditions are allowed before installation.
4. The lens does not contain any repair accessories. Please do not disassemble the lens without permission. Unauthorized disassembly will not be repaired or returned.

XQ series shapeable track lights

Spot shaping/ Zoom / Projection / Smart control

Fully independent intellectual property rights, global patents, global certification!

No blue edge, no distortion, wide-angle spot shaping. Frame Size 1:1



Diffuser



Color filter



ND filter



CPL filter



UV filter

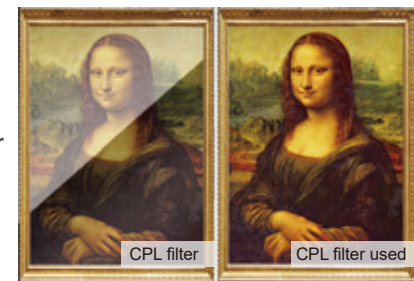
GND filter

UV filter



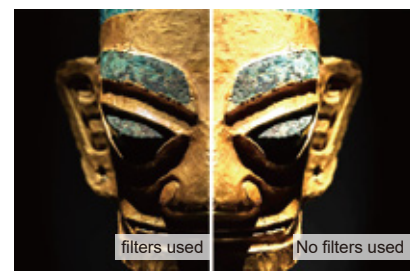
It can effectively filter UV rays in LED lamps and lanterns, thus protecting the illuminated object. It delivers superior performance in silk products lighting and cultural relics lighting.

CPL filter



It can eliminate the reflection of the CPL filter so that the object in a high luminosity environment can also display its original appearance.

ND filter



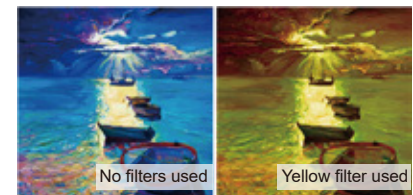
With electronic dimming, the small-angle illumination can be reduced to less than 75LUX, which is generally used for authentic lighting.

GND filter



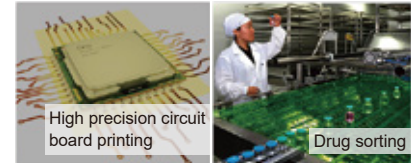
GND filter are used to alter the light ratio into the lens. For example, in illuminating the oblique side of the square position of the object, the use of gradient filters allows the even and constant illumination of the object.

Color filter



The luminous color of the lamp can be adjusted according to your needs.

Other filter



Various filters in special bands can be customized according to your actual needs. They can be used in various unique places, such as wafer cutting, high-precision circuit board printing, and drug sorting.

XQ series shapeable track lights

Spot shaping/ Zoom / Projection / Smart control

Fully independent intellectual property rights, global patents, global certification!

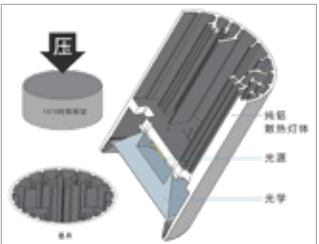
No blue edge, no distortion, wide-angle spot shaping. Frame Size 1:1



① Cold forging integrated radiator design

A radiator made of 1070#pure aluminum and molded by molding pressure. It has high thermal conductivity, low-temperature differences, low light failure, and long service life.

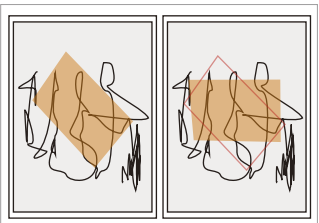
Thermal conductivity 226W/m.K



② 360° manual rotation design

Loosen the manual screw and turn the lens to achieve the 360°spot rotation adjustment function.

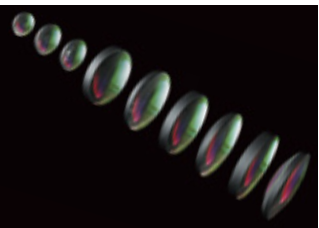
Device to solve the 360° rotation of the projection and light spot.



③ High-definition optical lens design

It is formed by a plurality of high-definition coated optical lenses. The whole lamp has the characteristics of high luminous efficiency, high spot uniformity, minor distortion, extensive linear zoom range, good spot cut-off line, etc..

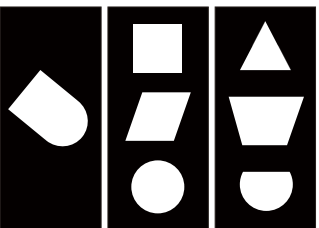
A new optical path specially designed for COB light sources.



④ Optical-grade variable aperture design

An optical diaphragm made of high-precision special material with no blurring and freezing.

Manual insertion and removal of the light cutting device can freely change the shape of the spot.



⑤ Bidirectional stepless linear zoom design

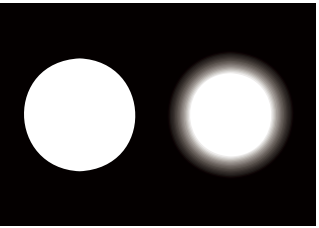
Short stroke, considerable focal length, high short-focus and long-focus recognition, visible to the naked eye, linear zoom is enhanced and more convenient.

Rotating the device can change the sharpness of the spot.



contraction state

Tensile state



⑥ VIP exclusive custom collar

Support VIP exclusive collar customization. The color can be customized according to customer preferences.

Available in Chinese red, crystal blue, dark night black, and ivory white.

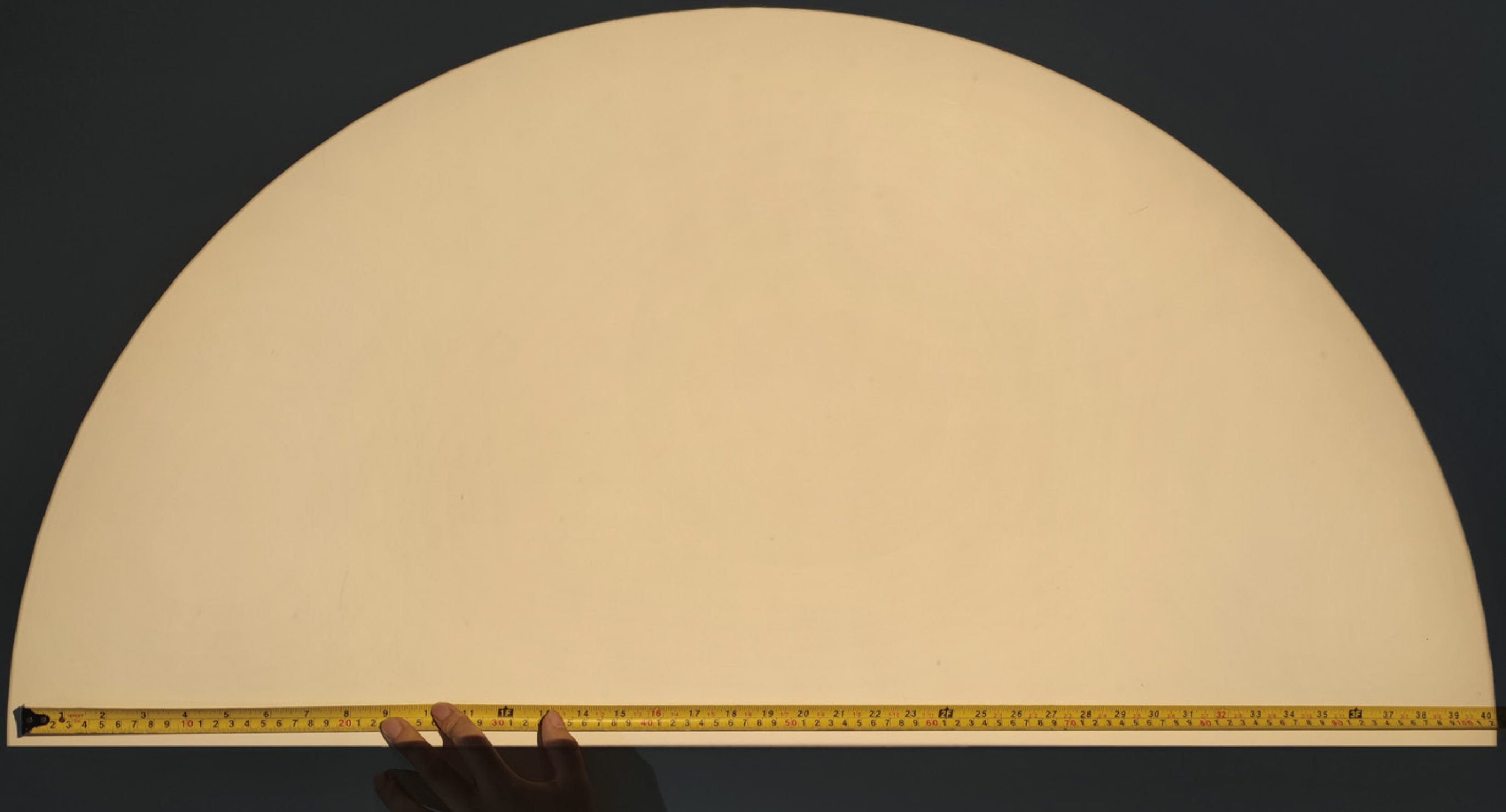


Chinese red

Crystal blue

Dark night black

Ivory white



XQ series shapeable track lights

Spot shaping/ Zoom / Projection / Smart control

Fully independent intellectual property rights, global patents, global certification!

No blue edge, no distortion, wide-angle spot shaping. Frame Size 1:1

We tend to think of round things as natural, organic, fluid, and soft, while square or angular things as technical, rational, digital, and hard. Light, especially straightforward light, reveals the material composition and surface state of matter and conveys the object's color, shape, and other information. Now, let's consider the shape of the illuminated space, the arrangement of objects, and their position with the space in terms of the dimensions of the square and circle.

XQ series shapeable track lights



XQ series shapeable track light is very powerful. Any of its functions is close to perfection. 55° sizeable wide-angle, no distortion, no blue edge, no color difference. It supports 4K high-definition projection. Equipped with EF bayonet, it can easily switch 5°, 10°, 20°, 30°, 40°and 55°. Equipped with a 3D dimmable diaphragm, it can achieve 5°-55° zooming and spot shaping without distortion, blue edge and color difference.



DIP color temperature coupled with the single lamp knob dimming design can easily achieve single lamp dimming, spot shaping and color temperature adjustment. It can be used alone or can alternatively be equipped with other dimming devices.

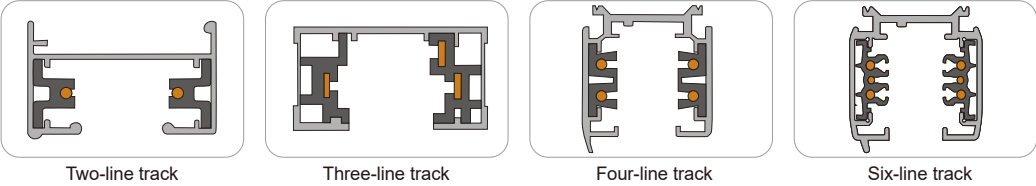


Control support

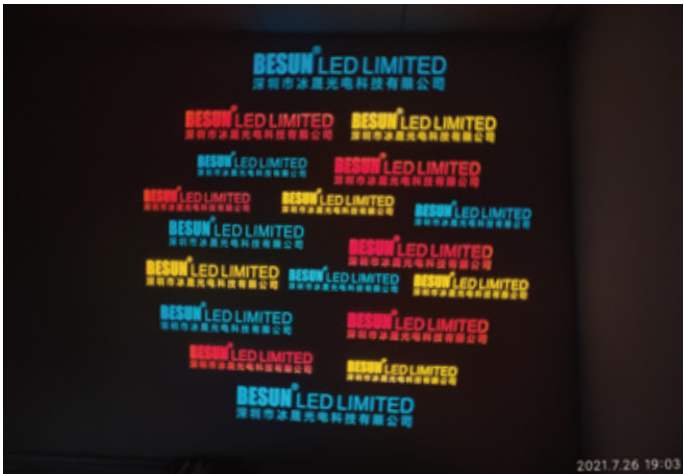


Support 1-10V, DMX, DALI, ZGEBI, and other mainstream control. Can also be connected with Huawei, Tuya, Xiaomi, Tmall Elf, Amazon, Google, and other smart AI control systems.

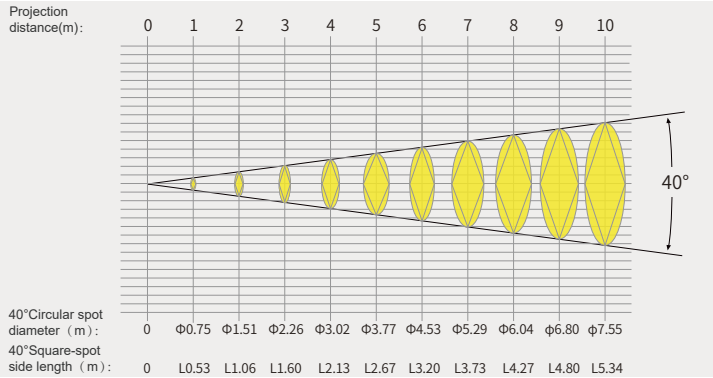
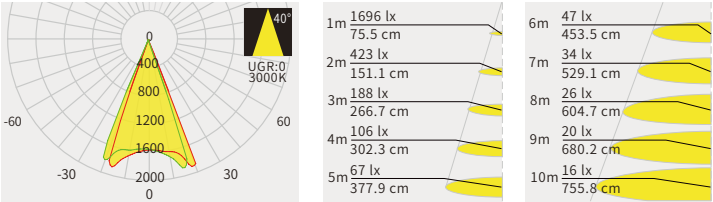
Track Support



4K high-definition projection

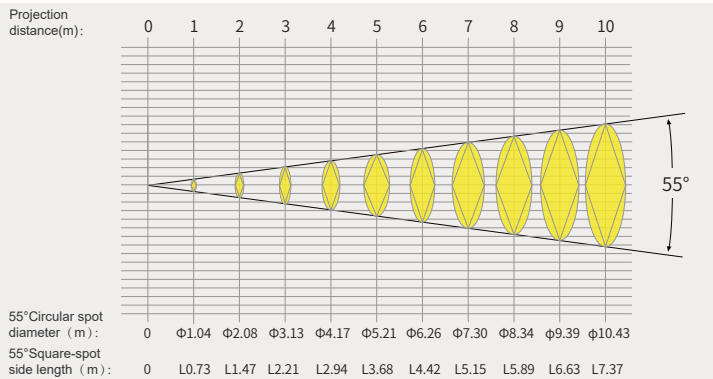
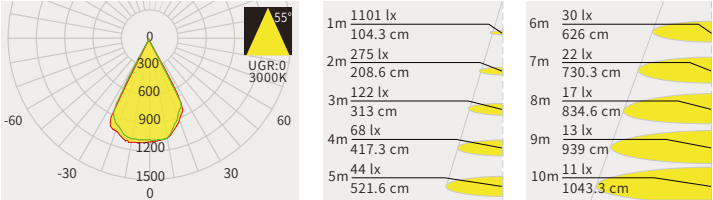


XQ series shapeable track lights
T2008I-4840



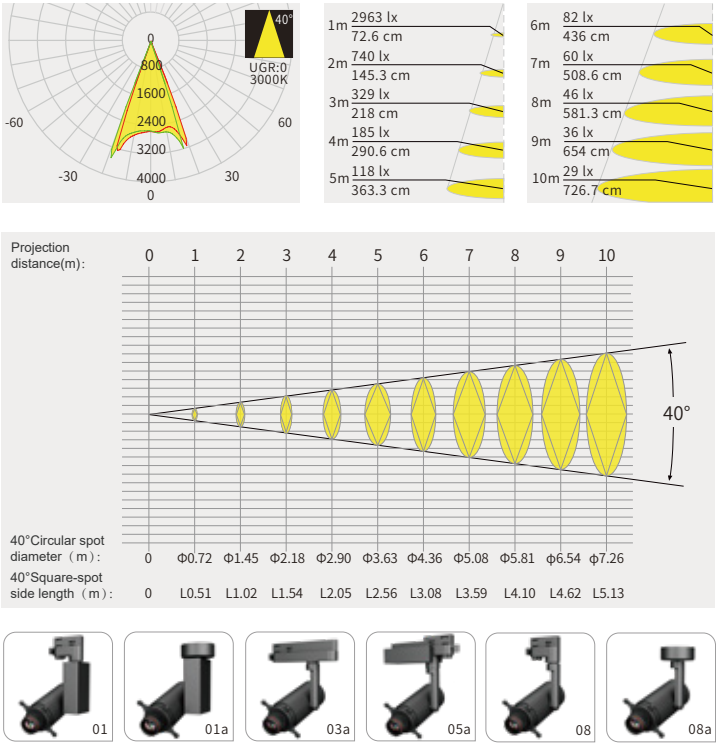
Model	Power	Luminous flux	Ra	Color temperature	angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T2008I	20W	650~800LM	Ra≥97	2700K/3000K/4000K	40°	Support	0.99Kg	40.5mm	Black/white

XQ series shapeable track lights
T2008I-4855



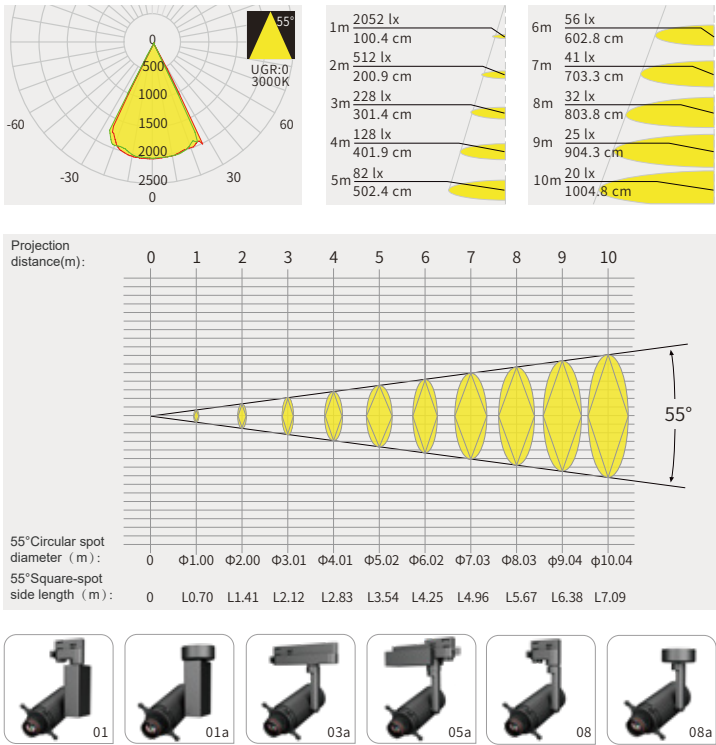
Model	Power	Luminous flux	Ra	Color temperature	angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T2008I	20W	650~800LM	Ra≥97	2700K/3000K/4000K	55°	Support	0.94Kg	40.5mm	Black/white

XQ series shapeable track lights
T3008I-5840



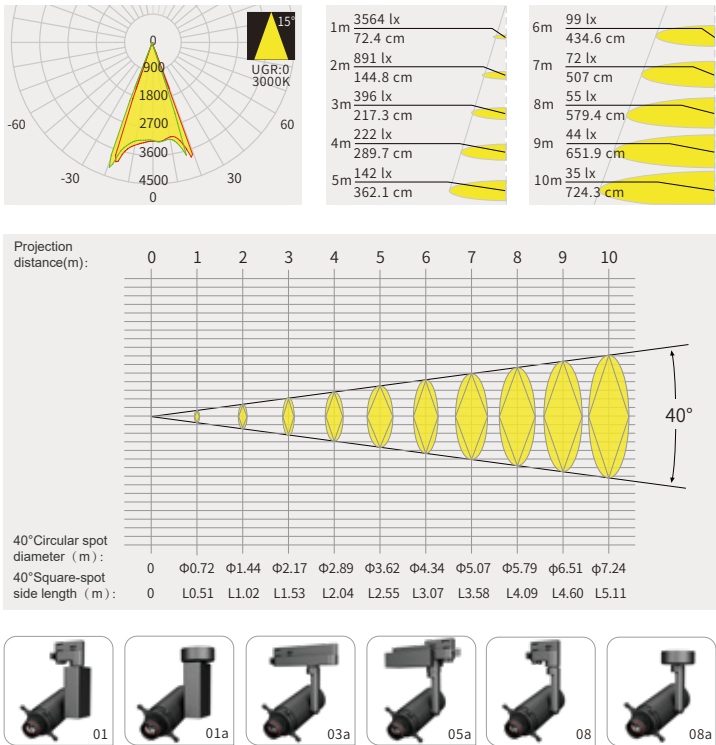
Model	Power	Luminous flux	Ra	Color temperature	angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T3008I	28W	1200~1500LM	Ra≥97	2700K/3000K/4000K	40°	Support	1.34Kg	49mm	Black/white

XQ series shapeable track lights
T3008I-5855



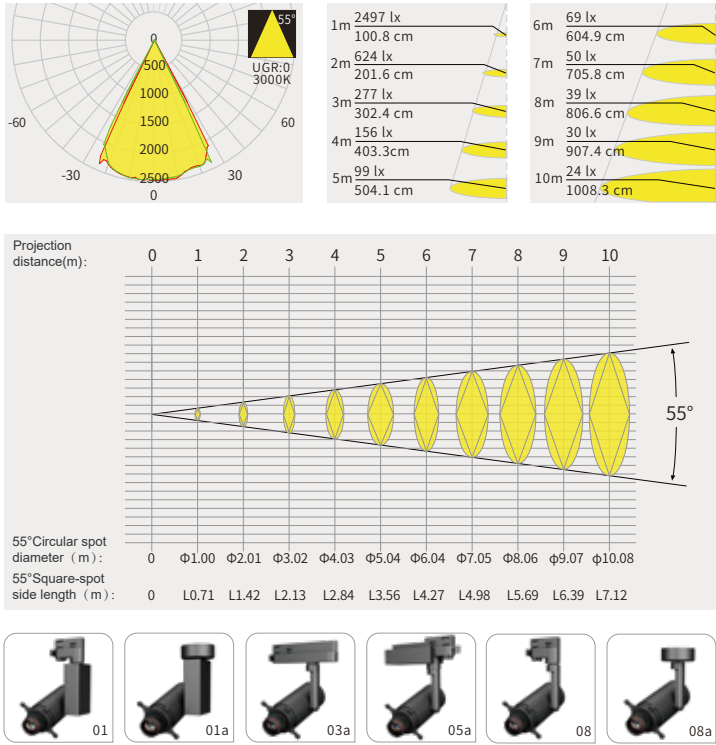
Model	Power	Luminous flux	Ra	Color temperature	angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T3008I	28W	1200~1500LM	Ra≥97	2700K/3000K/4000K	55°	Support	1.29Kg	49mm	Black/white

XQ series shapeable track lights
T4008I-5840



Model	Power	Luminous flux	Ra	Color temperature	angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T4008I	36W	1600~1800LM	Ra≥97	2700K/3000K/4000K	40°	Support	1.51Kg	49mm	Black/white

XQ series shapeable track lights
T4008I-5855



Model	Power	Luminous flux	Ra	Color temperature	angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T4008I	36W	1600~1800LM	Ra≥97	2700K/3000K/4000K	55°	Support	1.46Kg	49mm	Black/white

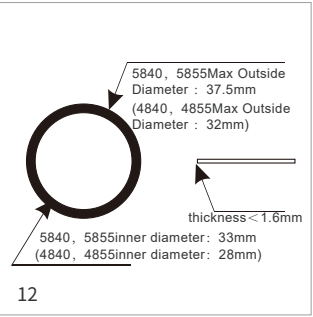
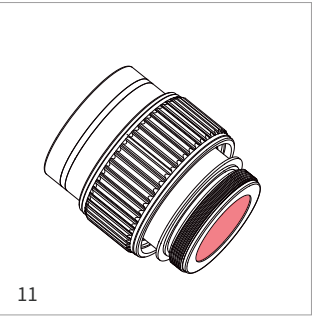
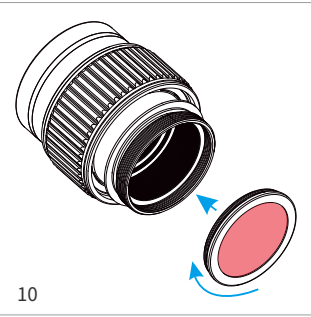
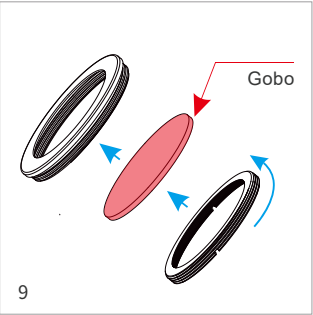
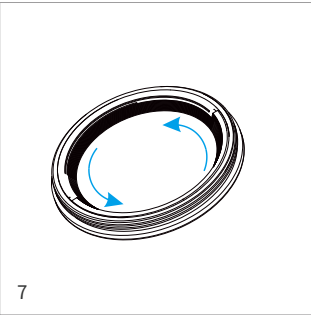
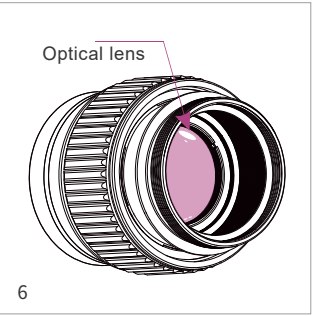
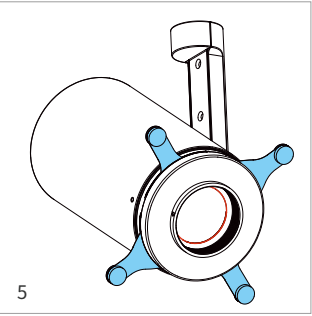
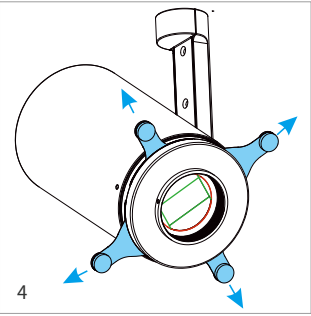
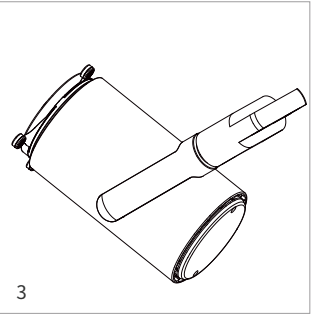
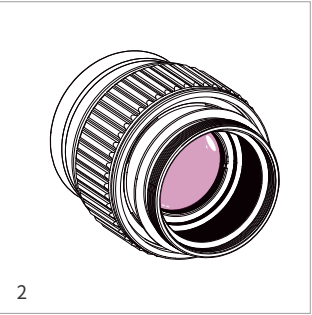
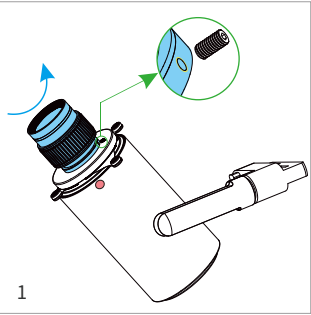
Projection Functions

I . First rotate the lens (blue part) shown in FIG. 1 to the longest state, make the screw (green part) at the bottom of the lens completely exposed and removed, and then rotate and separate the main part of the lens along the blue arrow part; Figure 2 shows the part of the optical lens after separation, and Figure 3 shows the part of the lamp body after separation.

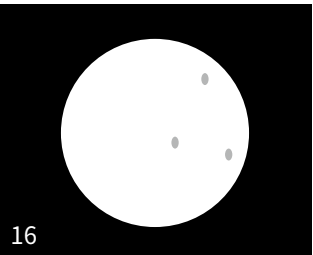
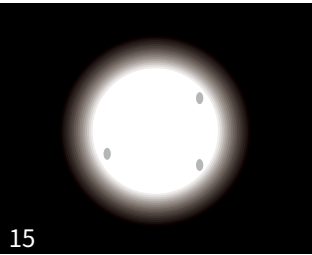
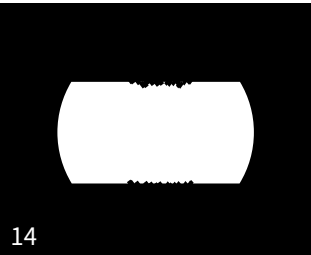
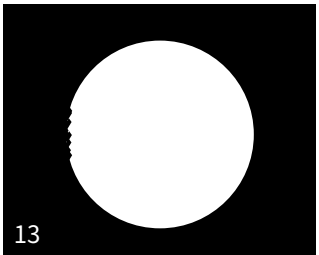
II . Stretch the four diaphragm sheets on the optical lens of Figure 4 outward to the maximum extent, as shown in Figure 5.

III. Find the gobo device delivered by the manufacturer as shown in Figure 7, separate the device into one as shown in Figure 8, install the gobo as shown in Figure 9, then load it into the end of the lens as shown in Figure 10, complete the installation as shown in Figure 11, and finally install the lens back into the lamp body as shown in Figure 1. The LOGO lamp assembly is complete.

IV. You can design and make a variety of image gobo. The specifications are shown in Figure 12.



Daily maintenance

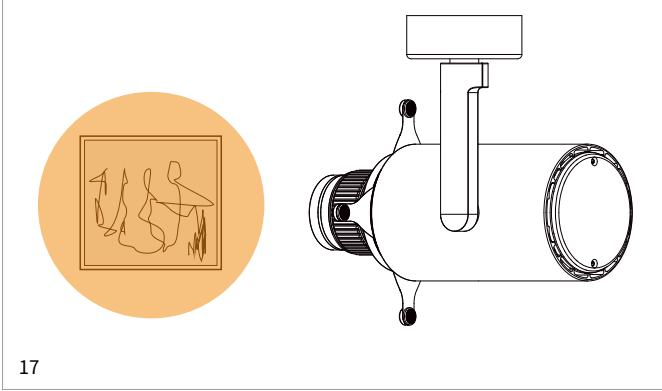


I .When the edge of the circular spot becomes rough or granular (Figure 13), please open the lens and wipe the red part in Figure 5 with a dust-free cloth or eyeglass cloth.

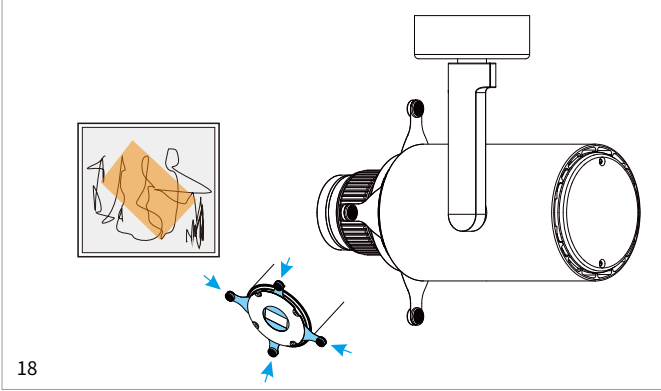
II .When the edge of the square spot becomes rough or granular (Figure 14), please open the lens and wipe the green edge in Figure 4 with a dust-free cloth or eyeglass cloth.

III. When small shadows or particles appear in the middle or edge of any spot (Figure 15, 16), open the lens and wipe the optical lens in Figure 6 with a dust-free cloth or eyeglass cloth.

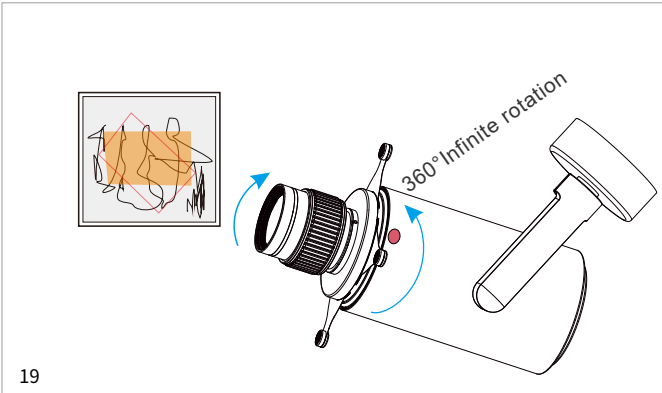
Instruction Manual



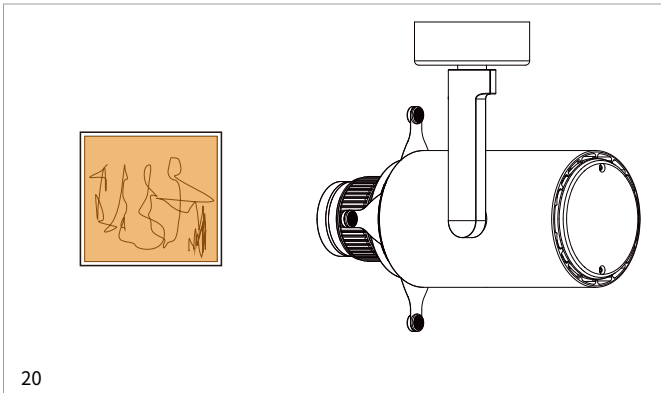
I .Adjust the aperture to the appropriate size, and facing the center of the irradiated object, adjust the sharpness to a reasonable degree, as shown in Figure 17.



II .Pull the four diaphragm sheets outward to the maximum, and then push one by one vertically inward, to ensure that the cut square spot is smaller than the object to be illuminated, and adjust the sharpness of the aperture again until satisfactory, as shown in Figure 18.



III. If the shape of the spot does not match the object to be illuminated, first loosen the hand screw at the red mark, rotate the blue part of the lens, adjust the edge of the spot to be parallel to the edge of the object to be illuminated, and finally tighten the hand screw. As shown in Figure 19, the LOGO projection direction not matching can also be adjusted to the ideal direction using this method.



IV. Stretch the diaphragm sheet one by one outward until the spot size is substantially consistent with the object, as shown in Figure 20. If you are not satisfied with the effect, it is recommended to repeat the operation according to the above steps to bring up the spot effect you are happy with.

Important Notes

1. When replacing the projector, be sure to pull all four diaphragm sheets outward to the maximum extent and then load the projection device. Otherwise, it may damage the lens parts, affecting the spot shaping effect.
2. Do not remove the rest of the lens except for replacing the projection unit and routine lens maintenance. If the lens cannot be used normally due to manual disassembly, the company does not provide maintenance and warranty services.
3. Track-type shapeable track light is generally heavier than ordinary track lights. Please determine whether the installation conditions are allowed before installation.
4. The lens does not contain any repair accessories. Please do not disassemble the lens without permission. Unauthorized disassembly will not be repaired or returned.

DQ/XQ/GZ

Fully independent intellectual property rights, global patents, global certification!

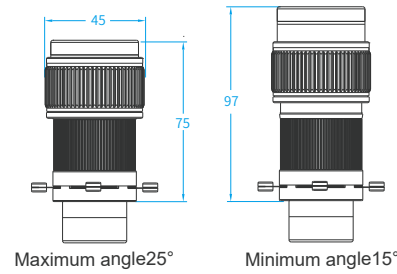
An optical lens specially designed for COB light source



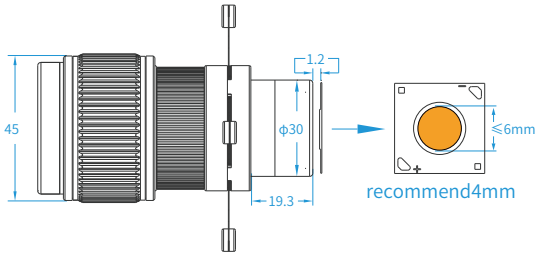
DQ series spot shaping lens



Lens type	Casing color	Uniformity	TV distortion	Zoom Range	Optical lenses	Luminous output rate	Lens weight	Compatible light sources	Filter specifications
4525	Black/white	93%	<2%	15°~25°	7pcs	41%	184g	Luminous surfaces≤6mm	37mm



Light source board mounting distance

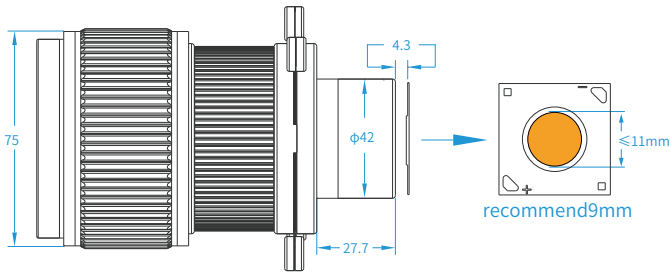
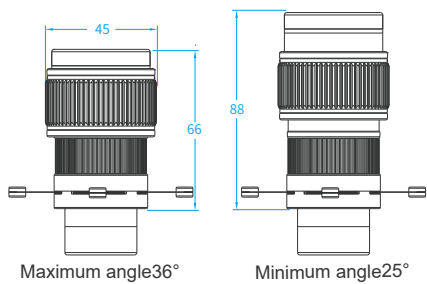


4525\4536	
Power	Officially recommended light sources
5~15W	CITIZEN 7A2 LUMINUS CXM-4
5~8W	LUMINUS CXM-3

● The distance from the bottom of the condenser lens to the light source substrate is 1.2 mm, and the maximum size of the light-emitting surface diameter of the light source shall not be greater than 6mm. the smaller the light-emitting surface, the higher the image quality. If you encounter poor light source matching effect, you can appropriately adjust the distance between the light source and the bottom of the lens.



Lens type	Casing color	Uniformity	TV distortion	Zoom Range	Optical lenses	Luminous output rate	Lens weight	Compatible light sources	Filter specifications
4536	Black/white	93%	<2%	25°~36°	9pcs	41%	184g	Luminous surfaces≤6mm	37mm

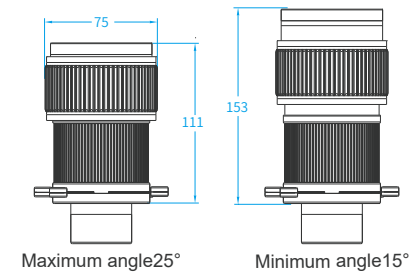


7525\7536	
Power	Officially recommended light sources
20~25W	CITIZEN 702 LUMINUS CHM-6
30~40W	CITIZEN 712 LUMINUS CHM-9

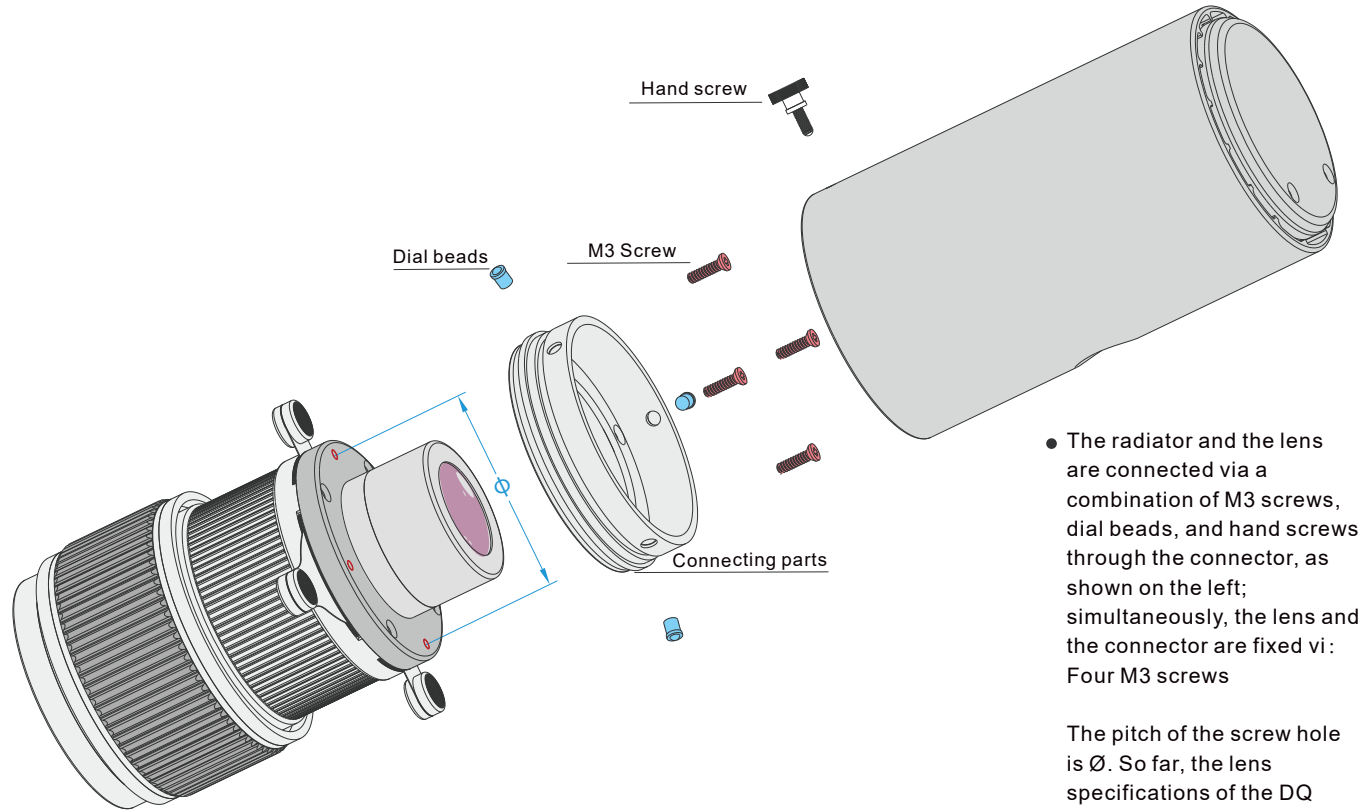
● The distance from the bottom of the condenser lens to the light source substrate is 4.3 mm, and the maximum size of the light-emitting surface diameter of the light source shall not be greater than 11mm. The smaller the light-emitting surface, the higher the imaging quality. If you encounter poor light source matching effect, you can appropriately adjust the distance between the light source and the bottom of the lens.



Lens type	Casing color	Uniformity	TV distortion	Zoom Range	Optical lenses	Luminous output rate	Lens weight	Compatible light sources	Filter specifications
7525	Black/white	91%	<2%	15°~25°	6pcs	41%	741g	Luminous surfaces≤11mm	67mm



Radiator connection

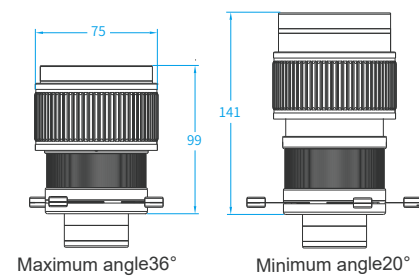


● The radiator and the lens are connected via a combination of M3 screws, dial beads, and hand screws through the connector, as shown on the left; simultaneously, the lens and the connector are fixed vi: Four M3 screws

The pitch of the screw hole is Ø. So far, the lens specifications of the DQ Series are 45mm and 75mm.
45:Ø=35.5mm
75:Ø=58.5mm



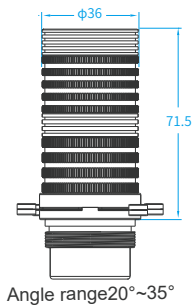
Lens type	Casing color	Uniformity	TV distortion	Zoom Range	Optical lenses	Luminous output rate	Lens weight	Compatible light sources	Filter specifications
7536	Black/white	91%	<2%	20°~36°	8pcs	41%	741g	Luminous surfaces≤11mm	67mm



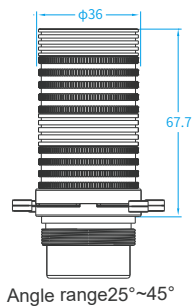
GZ Series Spot Shaping Lens



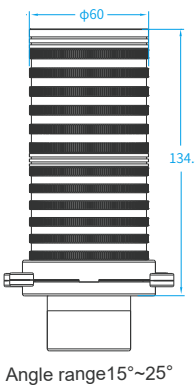
Lens type	Casing color	Uniformity	TV distortion	Zoom Range	Optical lenses	Luminous output rate	Lens weight	Compatible light sources	Filter specifications
3635	Black/white	93%	<2%	20°~35°	7pcs	41%	155g	Luminous surfaces≤6mm	32mm



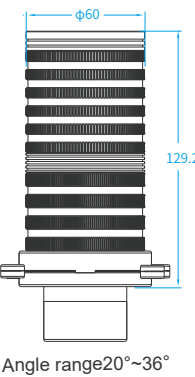
Lens type	Casing color	Uniformity	TV distortion	Zoom Range	Optical lenses	Luminous output rate	Lens weight	Compatible light sources	Filter specifications
3645	Black/white	93%	<2%	25°~45°	9pcs	41%	155g	Luminous surfaces≤6mm	32mm



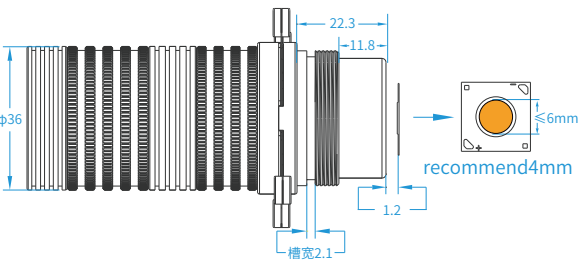
Lens type	Casing color	Uniformity	TV distortion	Zoom Range	Optical lenses	Luminous output rate	Lens weight	Compatible light sources	Filter specifications
6025	Black/white	91%	<2%	15°~25°	6pcs	41%	575g	Luminous surfaces≤11mm	58mm



Lens type	Casing color	Uniformity	TV distortion	Zoom Range	Optical lenses	Luminous output rate	Lens weight	Compatible light sources	Filter specifications
6036	Black/white	91%	<2%	20°~36°	8pcs	41%	570g	Luminous surfaces≤11mm	58mm

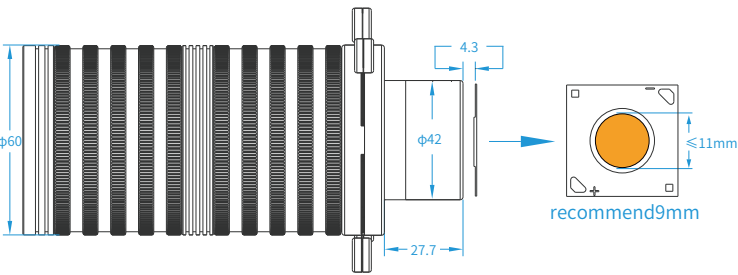


Light source board mounting distance



3635\3645	
Power	Officially recommended light sources
5~15W	CITIZEN 7A2 LUMINUS CXM-4
5~8W	LUMINUS CXM-3

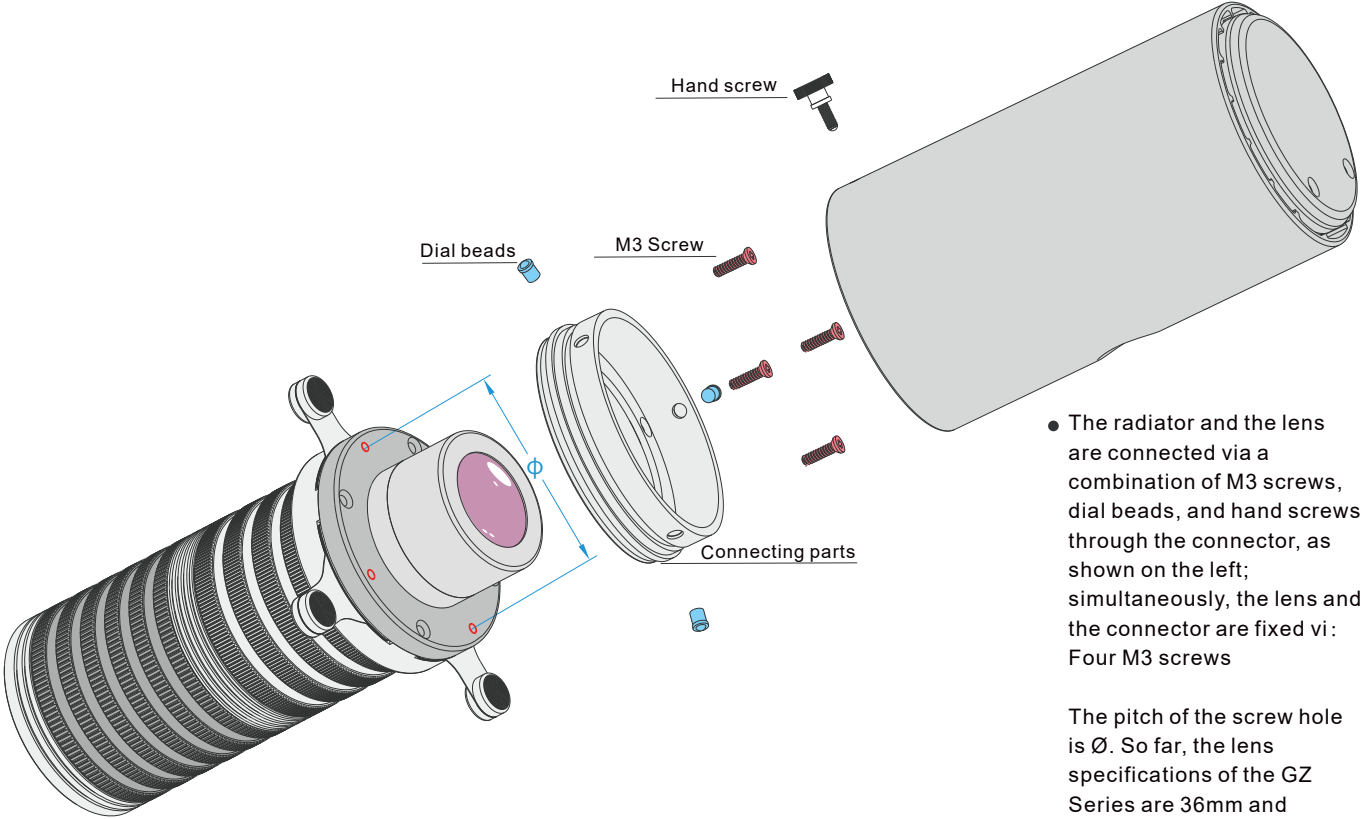
● The distance from the bottom of the condenser lens to the light source substrate is 1.2 mm, and the maximum size of the light-emitting surface diameter of the light source shall not be greater than 6mm. the smaller the light-emitting surface, the higher the image quality. If you encounter poor light source matching effect, you can appropriately adjust the distance between the light source and the bottom of the lens.



6025\6036	
Power	Officially recommended light sources
20~25W	CITIZEN 702 LUMINUS CHM-6
30~40W	CITIZEN 712 LUMINUS CHM-9

● The distance from the bottom of the condenser lens to the light source substrate is 4.3 mm, and the maximum size of the light-emitting surface diameter of the light source shall not be greater than 11mm. The smaller the light-emitting surface, the higher the imaging quality. If you encounter poor light source matching effect, you can appropriately adjust the distance between the light source and the bottom of the lens.

Radiator connection

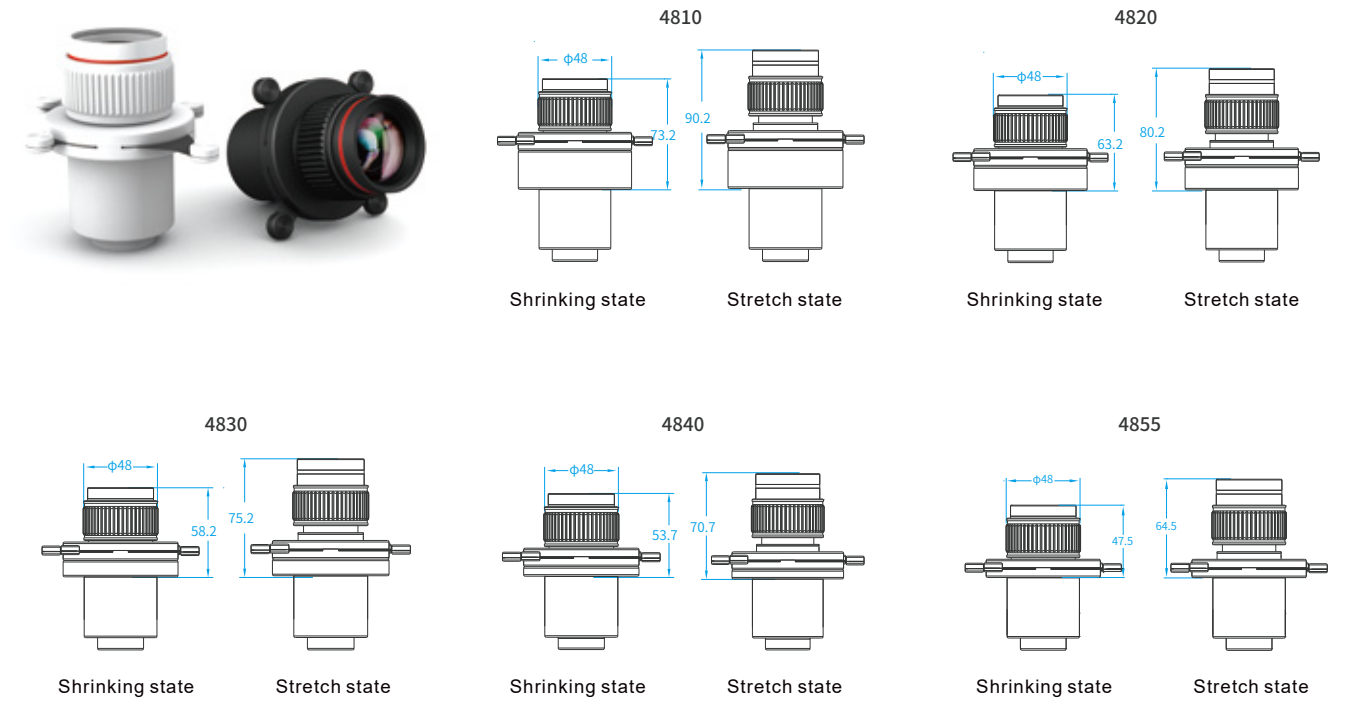


● The radiator and the lens are connected via a combination of M3 screws, dial beads, and hand screws through the connector, as shown on the left; simultaneously, the lens and the connector are fixed vi: Four M3 screws

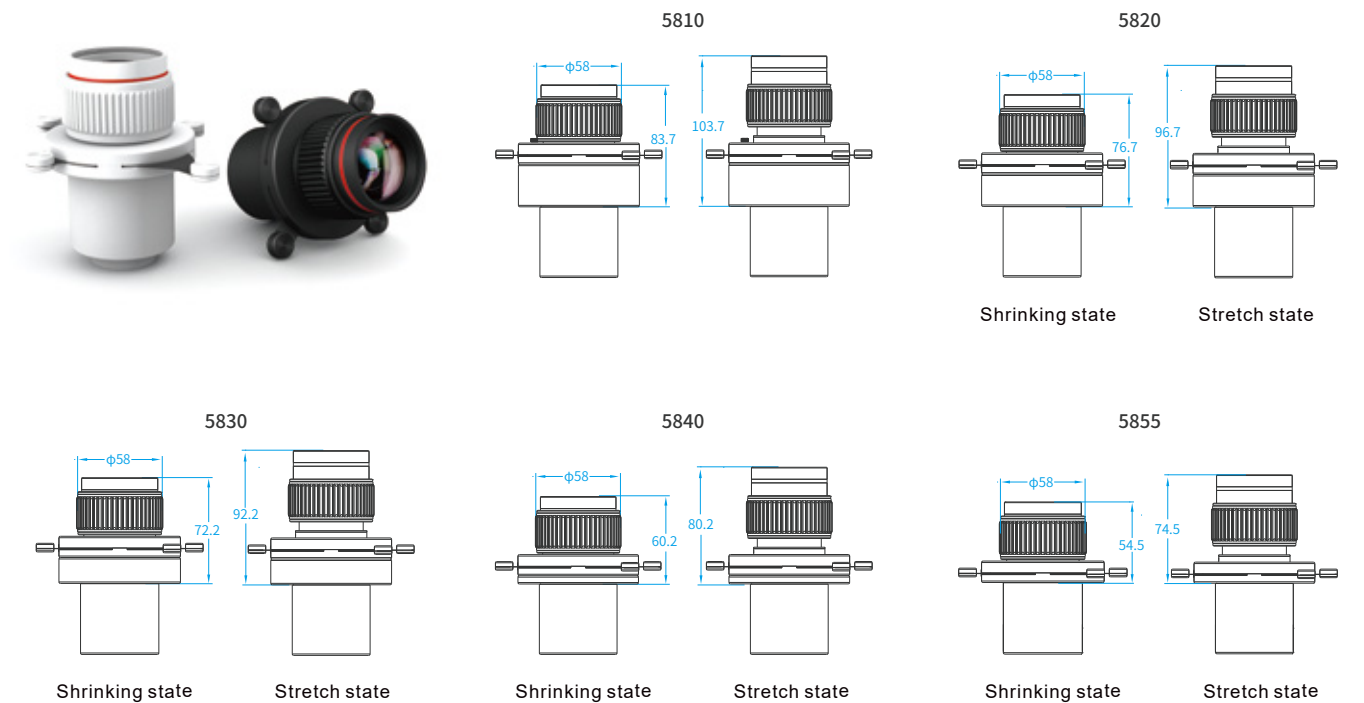
The pitch of the screw hole is Ø. So far, the lens specifications of the GZ Series are 36mm and 60mm.

60:Ø=58.5mm

XQ Series Spot Shaping Lens

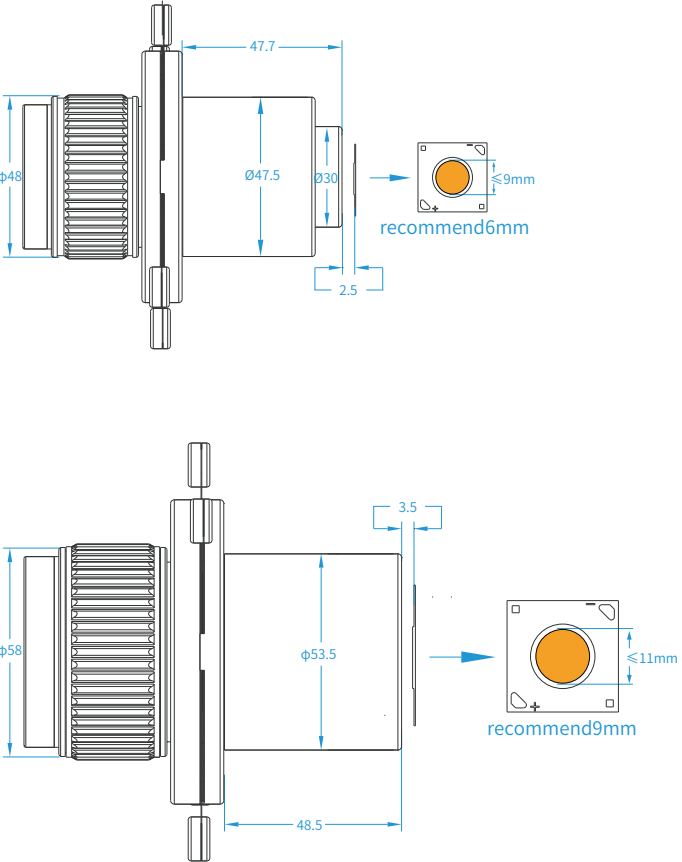


Lens type	Casing color	Uniformity	TV distortion	angle	Optical lenses	Luminous output rate	Lens weight	Compatible light sources	Filter specifications
48--	Black/white	95%	< 0.2%	10°/20°/30°/40°/55°	9pcs	45%	350g	Luminous surface≤9mm	40.5mm



Lens type	Casing color	Uniformity	TV distortion	angle	Optical lenses	Luminous output rate	Lens weight	Compatible light sources	Filter specifications
58--	Black/white	95%	< 0.2%	10°/20°/30°/40°/55°	9pcs	45%	600g	Luminous surface≤11mm	49mm

Light source board mounting distance



4810/4820/4830
4840/4855

Power	Officially recommended light sources
20~25W	CITIZEN 702 LUMINUS CHM-6

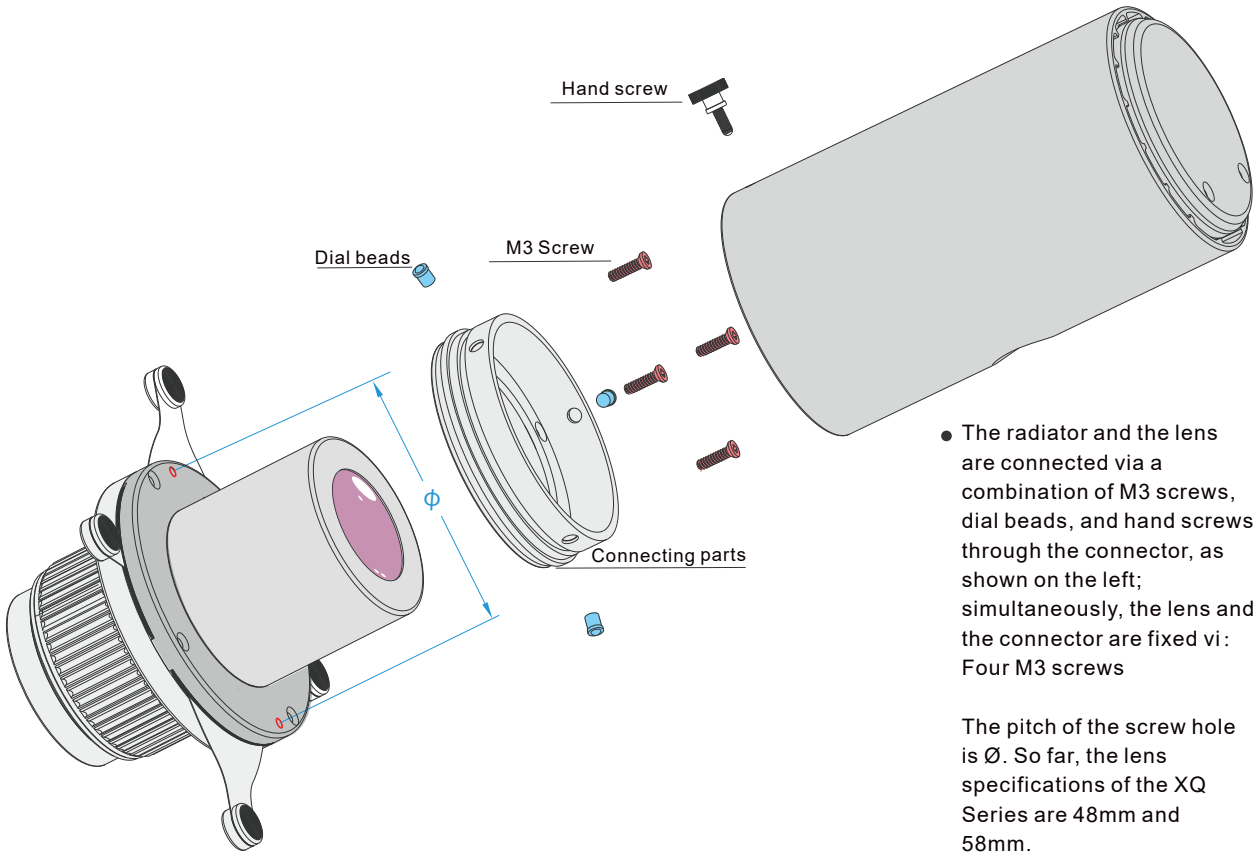
● The distance from the bottom of the condenser lens to the light source substrate is 2.5mm, and the maximum size of the light-emitting surface diameter of the light source shall not be greater than 9mm. the smaller the light-emitting surface, the higher the image quality. If you encounter poor light source matching effect, you can appropriately adjust the distance between the light source and the bottom of the lens.

5810/5820/5830
5840/5855

Power	Officially recommended light sources
30~40W	CITIZEN 712 LUMINUS CHM-9

● The distance from the bottom of the condenser lens to the light source substrate is 4.3 mm, and the maximum size of the light-emitting surface diameter of the light source shall not be greater than 11mm. The smaller the light-emitting surface, the higher the imaging quality. If you encounter poor light source matching effect, you can appropriately adjust the distance between the light source and the bottom of the lens.

Radiator connection



● The radiator and the lens are connected via a combination of M3 screws, dial beads, and hand screws through the connector, as shown on the left; simultaneously, the lens and the connector are fixed vi: Four M3 screws

The pitch of the screw hole is Ø. So far, the lens specifications of the XQ Series are 48mm and 58mm.
48:Ø=54.5mm
58:Ø=63mm



Come from BESUN, go for BEing SUN