

BESUN LED LIMITED

2023

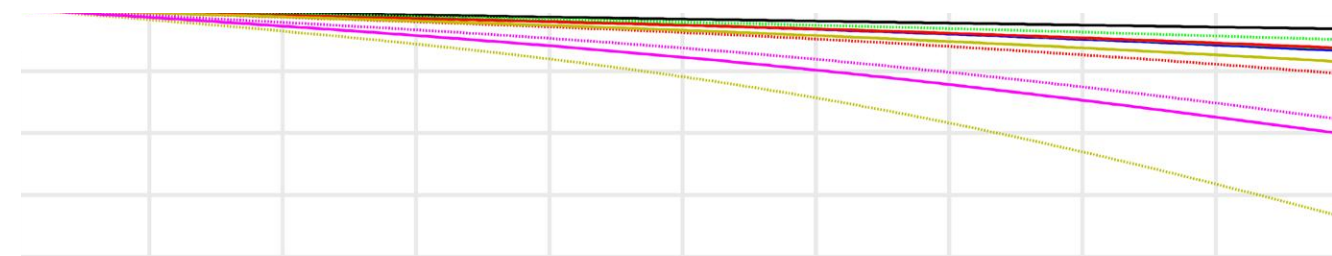
Come from BESUN, go for BEing SUN



BESUN[®] LED LIMITED
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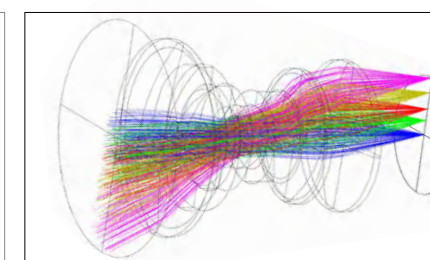
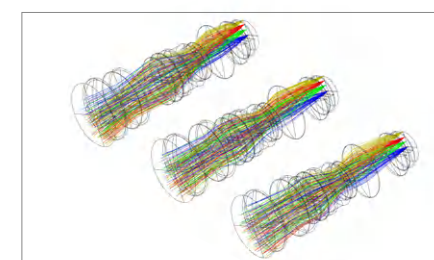


COMPANY PROFILE

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. BSUN 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, military industry, 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.





倍晟 BESUN®
Come from BESUN, go for BEing SUN.





BESUN 倍晟[®]
DQ series shapeable track light

DQ zoom shapeable track light. Frame size 1:0.65

DQ fixed-focus shapeable track light. Frame size 1:1

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 zoom shapeable track light. Frame size 1:0.65

DQ fixed-focus shapeable track light. Frame size 1:1



(fixed-focus version)



(Zoom version)

Industrial Grade Optical Filters

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



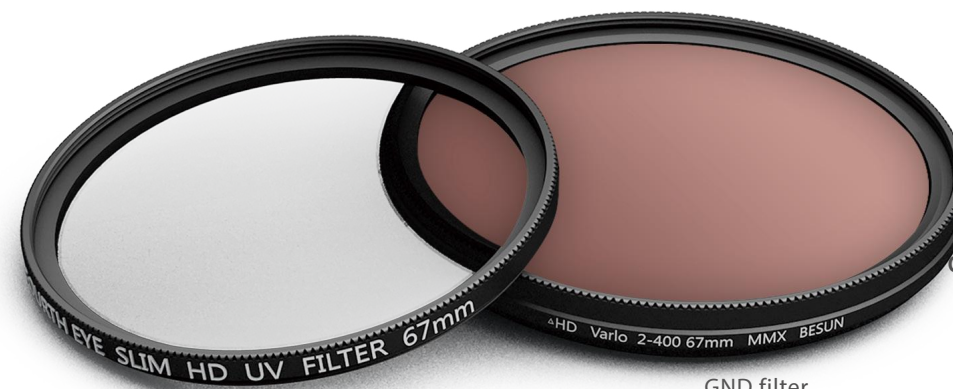
ND filter



Color filter



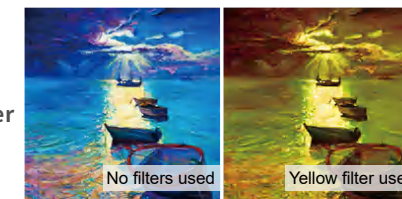
CPL filter



UV filter

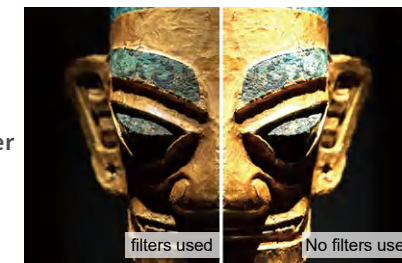
GND filter

Color filter



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

ND filter



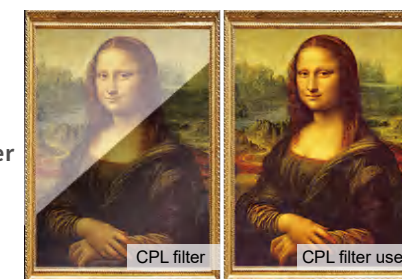
With electronic dimming, the small-angle illumination can be reduced to less than 75LUX, which is generally used for authentic lighting.

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



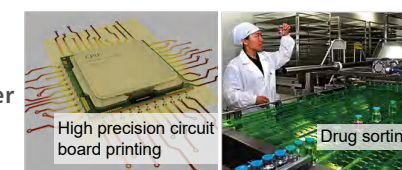
It can eliminate the reflection of the object's surface so that the object in a high luminosity environment can also display its original appearance.

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.

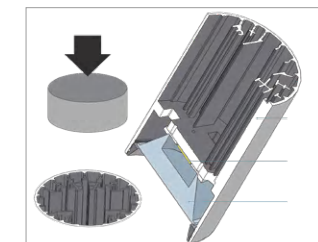
DQ zoom shapeable track light. Frame size 1:0.65
DQ fixed-focus shapeable track light. Frame size 1:1



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.

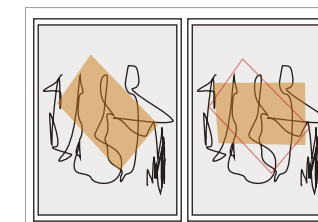
Thermal conductivity 226W/m.K



② 360° manual rotation design

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

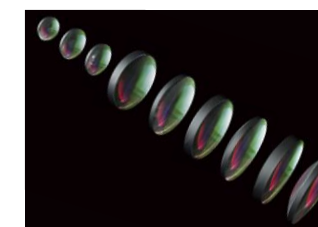
A device to solve the 360° rotation of the projection and light spot.



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..

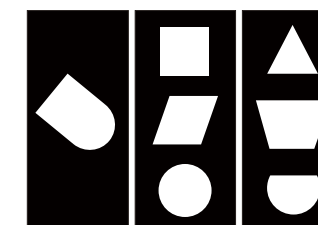
A new optical path specially designed for COB light sources.



④ Optical-grade variable aperture design

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

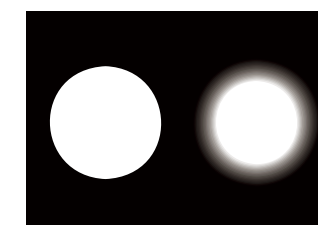
Manual insertion and removal of the light cutting device can freely change the shape of the spot.



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

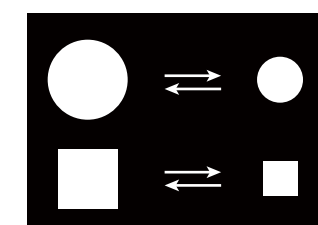
Short stroke, considerable focal length, high short-focus and long-focus recognition, visible to the naked eye, linear zoom is enhanced and more convenient.

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

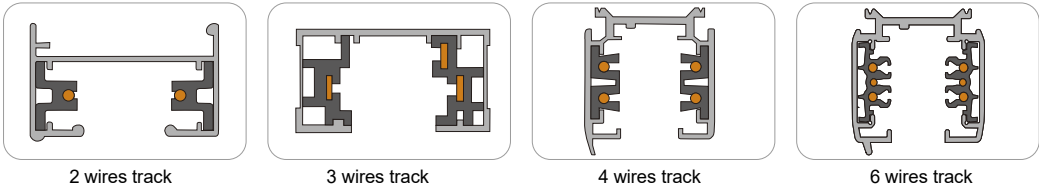
DQ series shapeable track light



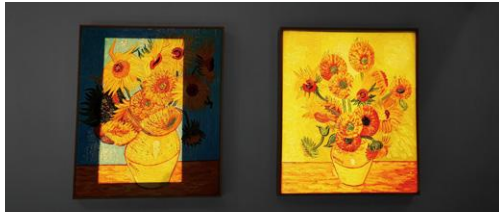
DQ series shapeable light is a multi-functional product integrating light shape, zoom, projection and intelligent control. It is a product with completely independent intellectual property rights and global patents, which can adjust the shape, size and sharpness of the spot; the shape of the spot can be adjusted arbitrarily by blocking the light for imaging.



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

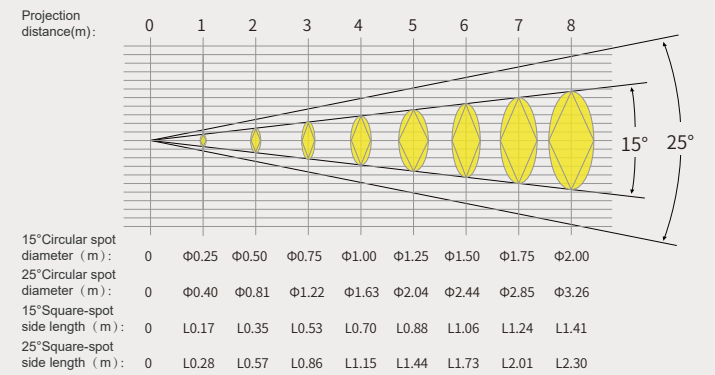
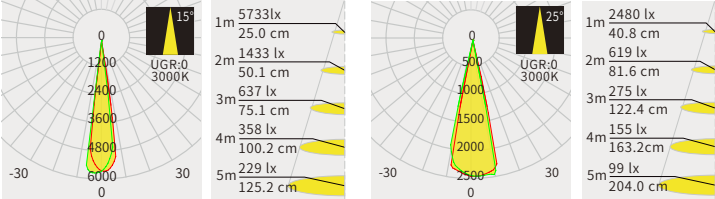


Support 1-10V, DMX, DALI, ZIGBEE, and other mainstream control. Can also be connected with Tuya, Amazon, Google, and other smart AI control systems.

Projection support

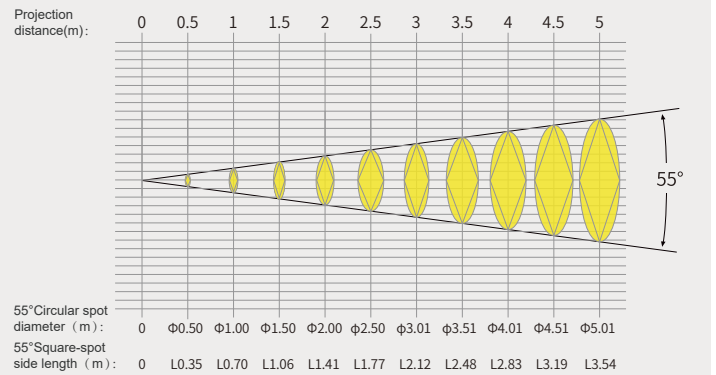
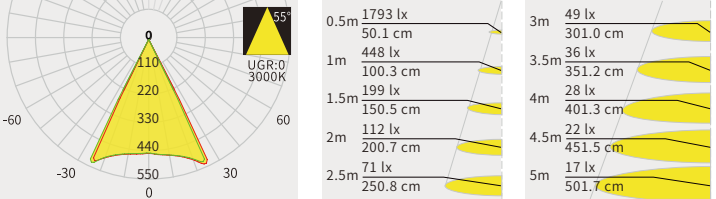


T1008S-4525SE



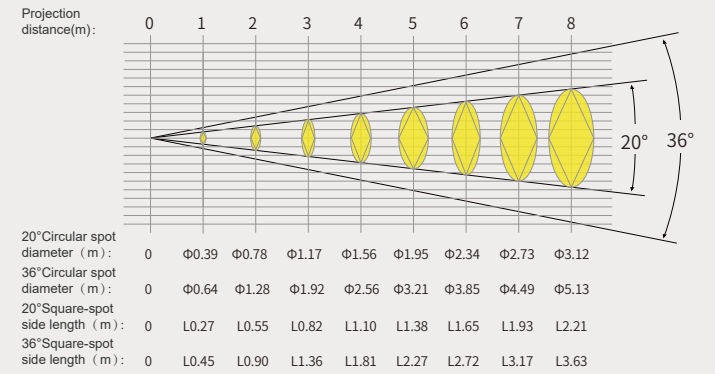
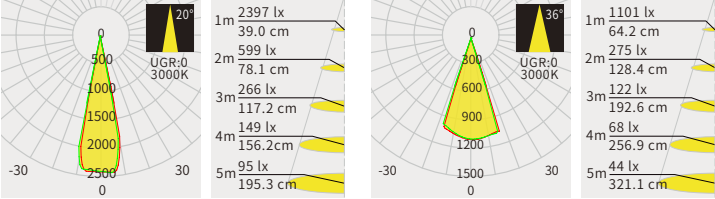
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T1008S	10W	300~350LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support	0.68Kg	37mm	Black/white

T1008S-4555



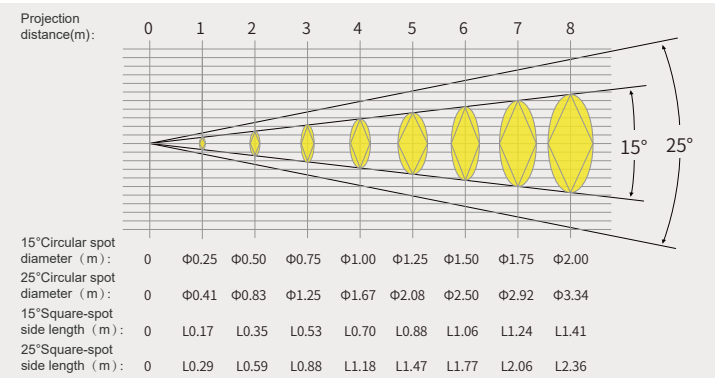
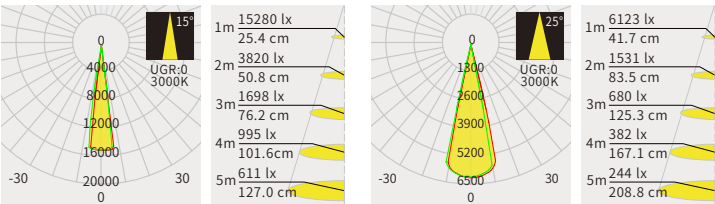
Model	Power	Luminous flux	Ra	Color temperature	Angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T1008S	10W	300~350LM	Ra≥97	2700K/3000K/4000K	55°	Support	0.67Kg	37mm	Black/white

T1008S-4536SE



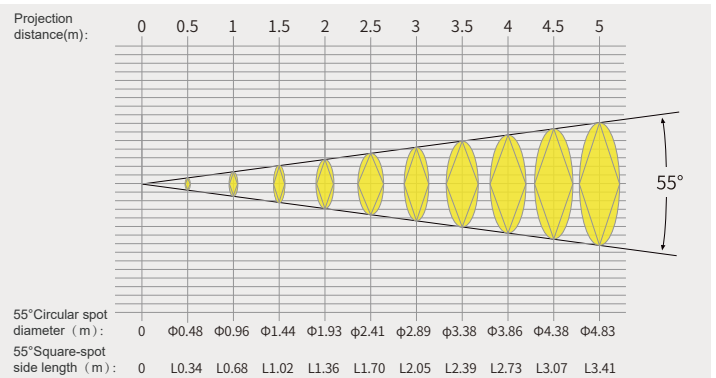
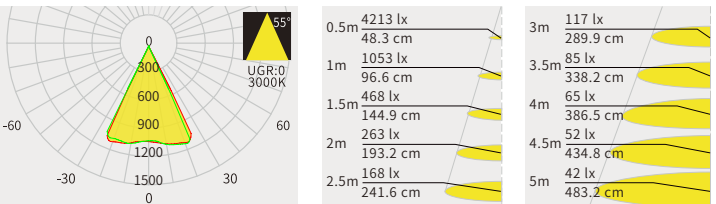
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T1008S	10W	300~350LM	Ra≥97	2700K/3000K/4000K	20°~36°	Support	0.68Kg	37mm	Black/white

T2008S-7525SE



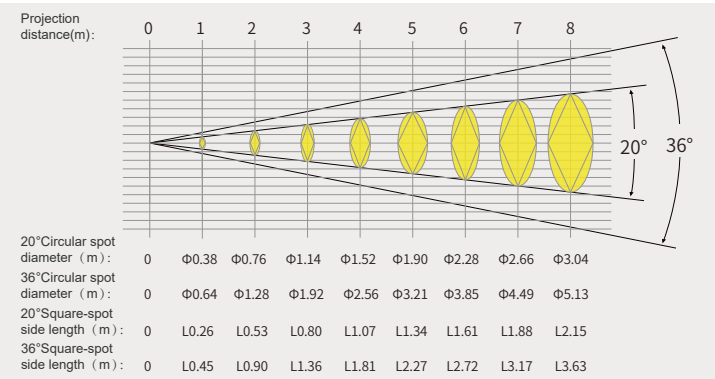
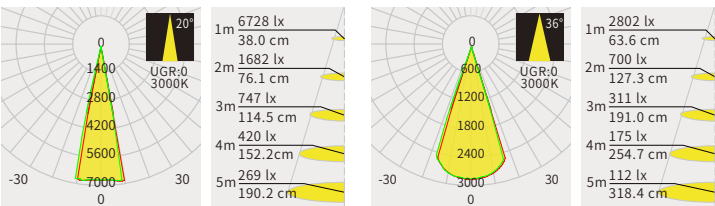
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T2008S	20W	900~950LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support	1.43Kg	67mm	Black/white

T2008S-7555



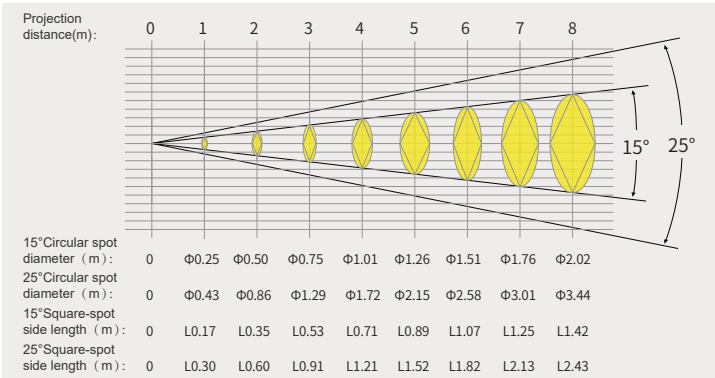
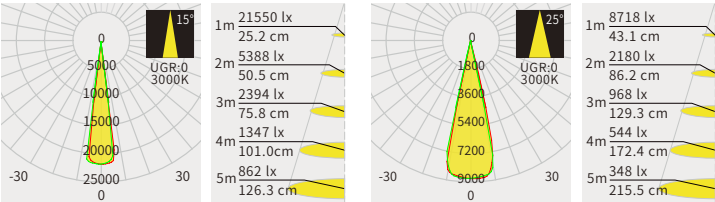
Model	Power	Luminous flux	Ra	Color temperature	Angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T2008S	20W	800~850LM	Ra≥97	2700K/3000K/4000K	55°	Support	1.41Kg	67mm	Black/white

T2008S-7536SE



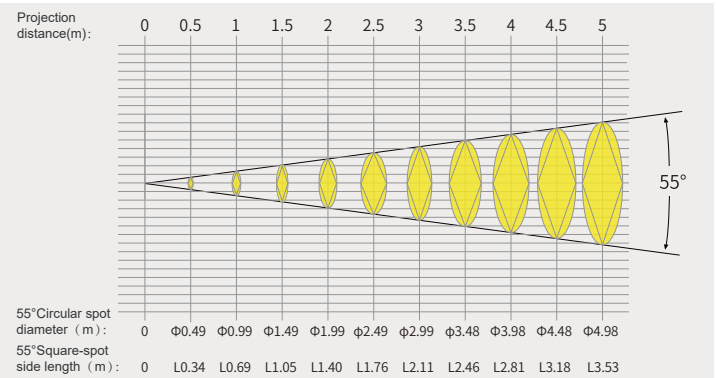
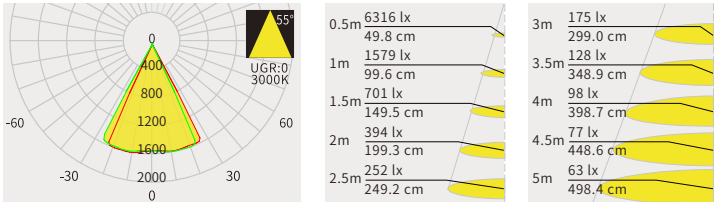
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T2008S	20W	900~950LM	Ra≥97	2700K/3000K/4000K	20°~36°	Support	1.43Kg	67mm	Black/white

T3008S-7525SE



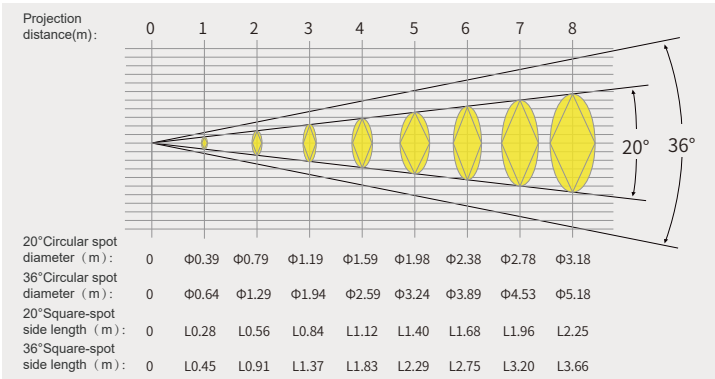
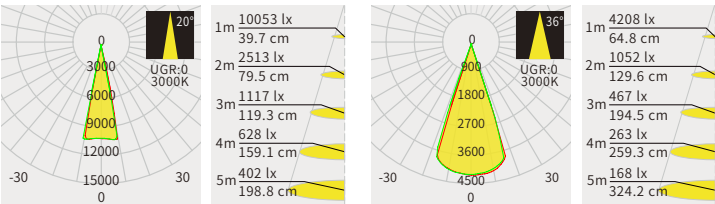
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T3008S	28W	1100~1300LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support	1.58Kg	67mm	Black/white

T3008S-7555



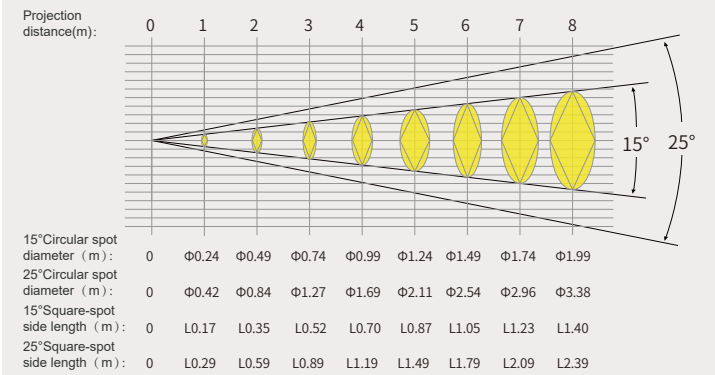
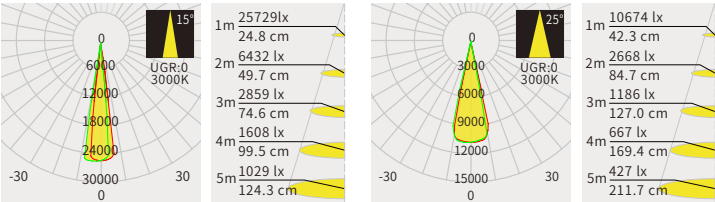
Model	Power	Luminous flux	Ra	Color temperature	Angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T3008S	28W	1100~1200LM	Ra≥97	2700K/3000K/4000K	55°	Support	1.56Kg	67mm	Black/white

T3008S-7536SE



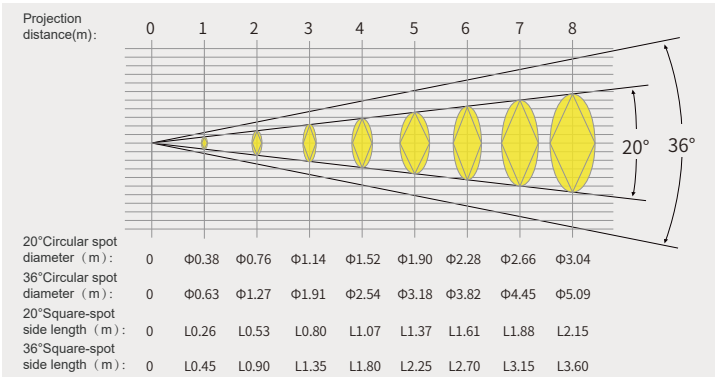
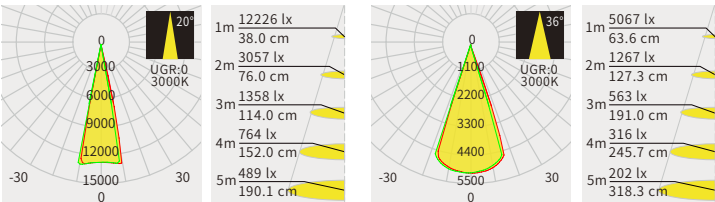
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T3008S	28W	1100~1300LM	Ra≥97	2700K/3000K/4000K	20°~36°	Support	1.58Kg	67mm	Black/white

T4008S-7525SE



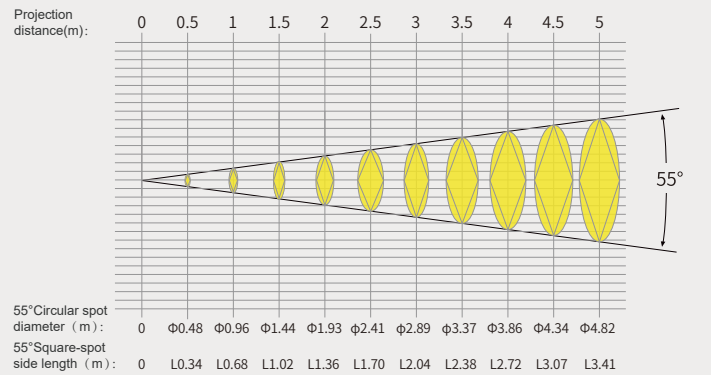
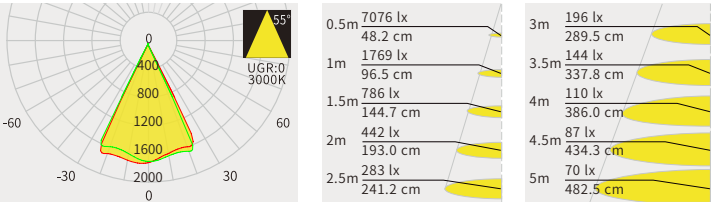
Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T4008S	37W	1400~1550LM	Ra≥97	2700K/3000K/4000K	15°~25°	Support	1.67Kg	67mm	Black/white

T4008S-7536SE



Model	Power	Luminous flux	Ra	Color temperature	Zoom range	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T4008S	37W	1400~1550LM	Ra≥97	2700K/3000K/4000K	20°~36°	Support	1.67Kg	67mm	Black/white

T4008S-7555



Model	Power	Luminous flux	Ra	Color temperature	Angle	DIP CCT single lamp dimming	G.W.	Filter Specifications	Casing color
T4008S	37W	1350~1450LM	Ra≥97	2700K/3000K/4000K	55°	Support	1.65Kg	67mm	Black/white

Projection Functions

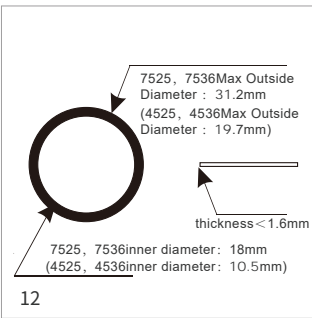
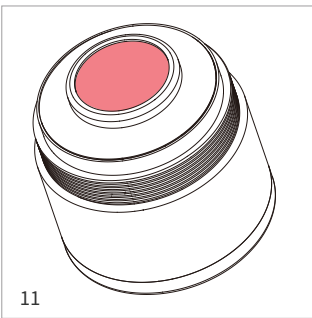
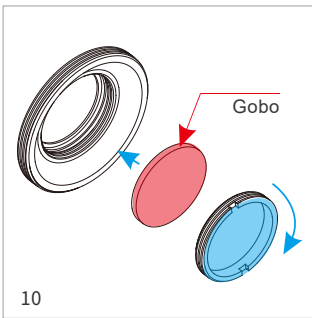
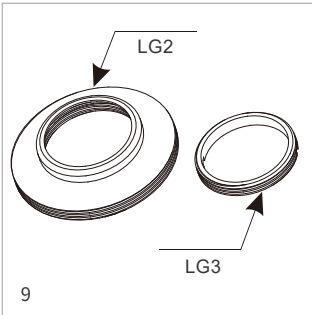
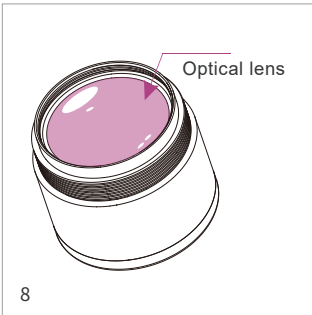
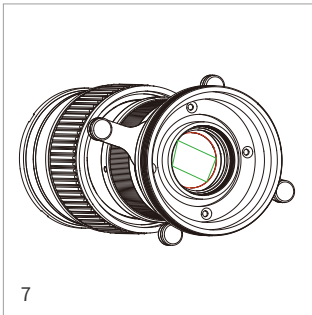
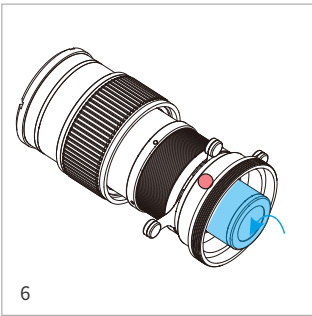
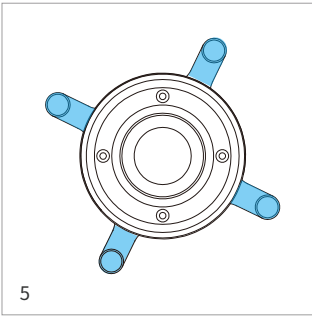
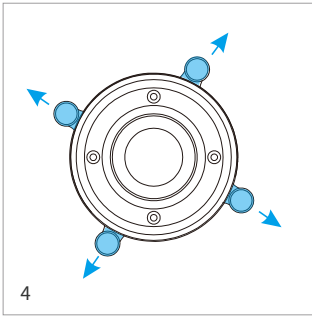
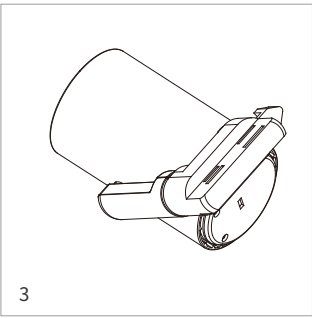
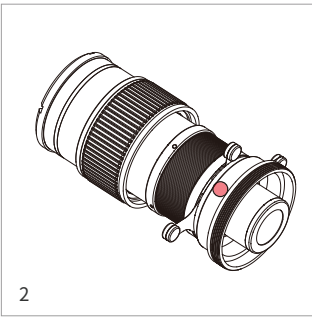
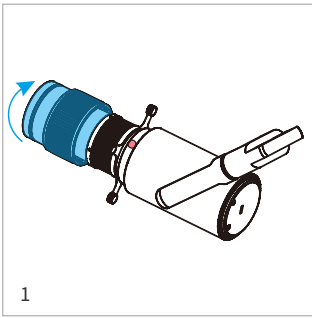
I . First, tighten the hand screw shown in Figure 1 (red part), rotate and separate the main body portion of the lens (blue part) from the lamp body. Figure 2 is the separated optical lens portion; Figure 3 is the separated lamp body portion.

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

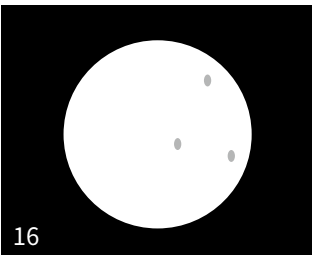
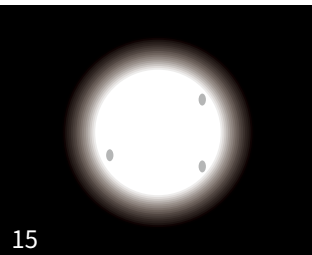
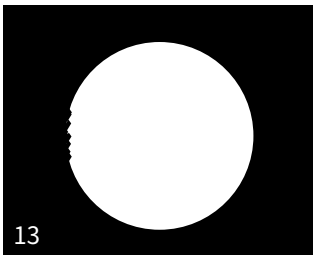
III. Unscrew the blue part of the optical components at the bottom of the lens in Figure 6, and separate it as shown in Figures 7 and 8.

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

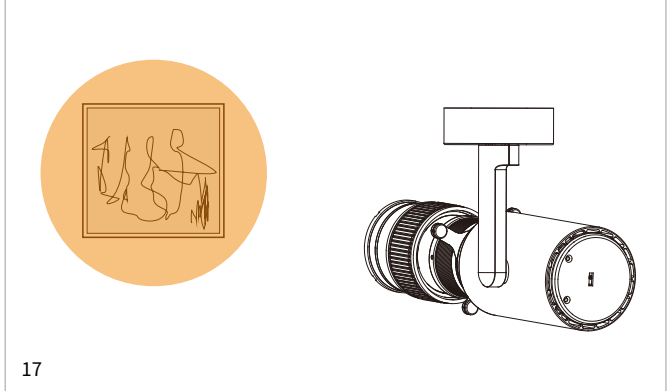


I .When the edge of the circular spot becomes rough or granular (Figure 13), please open the lens and wipe the red part in Figure 7 with a dust-free cloth or eyeglass cloth.

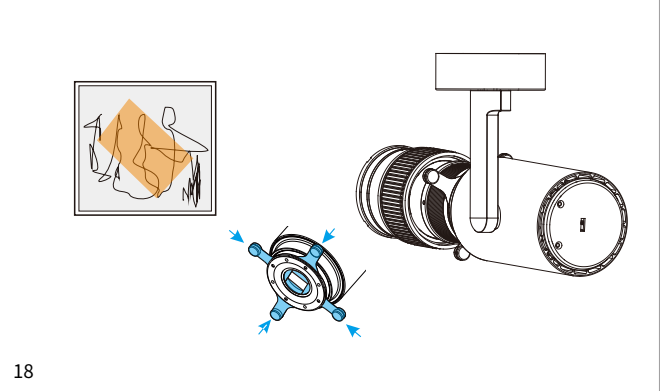
II .When the edge of the square spot becomes rough or granular (Figure 14), please open the lens and wipe the green edge in Figure 7 with a dust-free cloth or eyeglass cloth.

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.

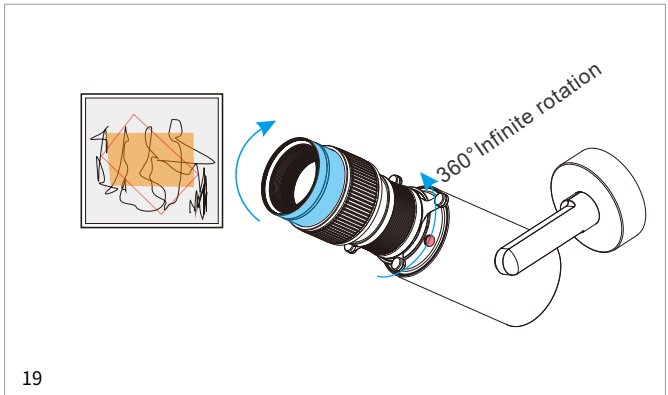
Instruction Manual



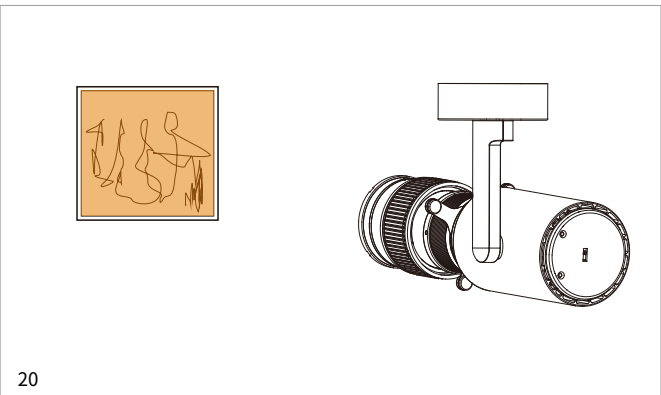
I .Adjust the aperture to the appropriate size, and facing the center of the irradiated object, adjust the sharpness to a reasonable degree, as shown in Figure 17.



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.