Smart Intelligent Homes ■ LED OEM Manufacturers

# The Art Light Series

"Precision Picture Framing & Gobo Projection"

GHSDQ Series

# 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

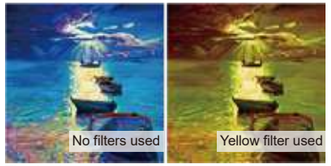
CPL filter

CPL filter

UV filter

GND filter

**Color filter**

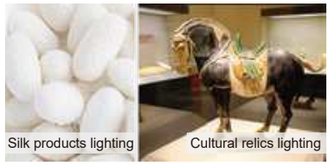



The luminous color of the lamp can be adjusted according to your needs.

**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.

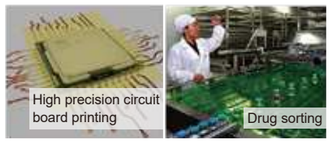
**CPL filter**


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

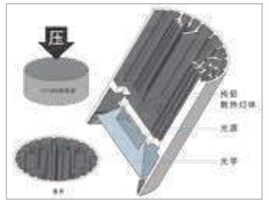
Fully independent intellectual property rights, global patents, global certification!

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.

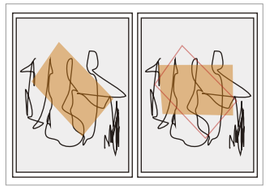
**Thermal conductivity 226W/m.K**



### 2 360° manual rotation design

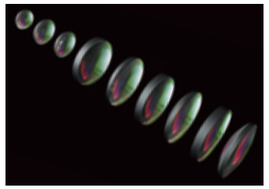
Loosen the manual screw and turn the lens to achieve the 360°spot rotation adjustment function.

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



### 3 High-definition optical lens design

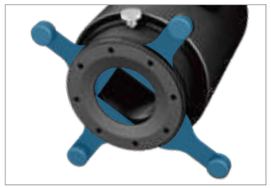
It is formed by a plurality of high-definition coated optical lenses. The whole lamp has the characteristics of high luminous efficiency, high spot uniformity, minor distortion, extensive linear zoom range, good spot cut-off line, etc..
**A new optical path specially designed for COB light sources.**

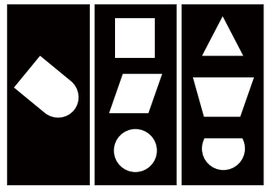


### 4 Optical-grade variable aperture design

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

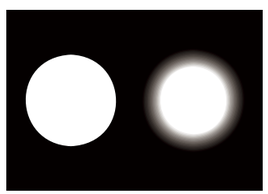
**Manual insertion and removal of the light cutting device can freely change the shape of the spot.**





### 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.**

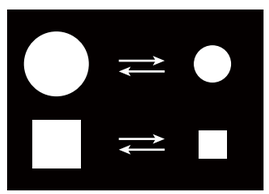


### 6 Bidirectional stepless linear zoom design

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.

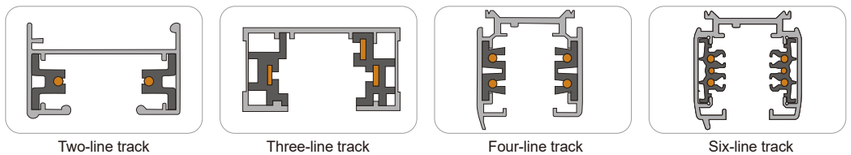
**Available in Chinese red, crystal blue, dark night black, and ivory white.**

Chinese red Crystal blue Dark night black Ivory white

# DQ series shapeable track lights

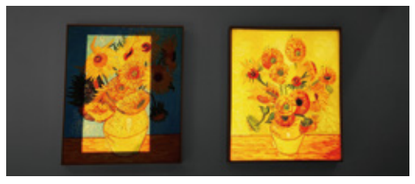
DQ series shapeable track light is a multifunctional product integrating light cutting, zooming, projection and smart control. It is a product with completely independent intellectual property rights and global patents. It supports the adjustment of the shape, size and sharpness of light spot. The light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


**Track Support**



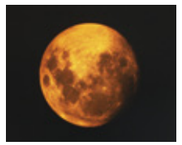
Two-line track | Three-line track | Four-line track | Six-line track

**Installation effect**

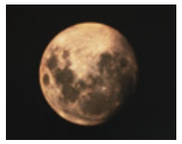


**Spot effect**

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.



2700K



4000K

6000K

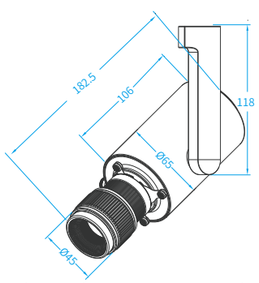
**Control support**

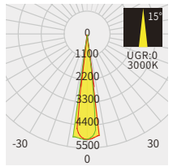

Support 1-10V. DMX, DALI, ZIGBEE, and other mainstream control. Can also be connected with Tuya, Amazom, Google, and other smart AI control systems.

**Projection support**

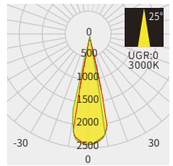

Human Projection | Landscape physical projection | Logo icon projection | Marketing projection | Food projection

## GHST1008S-4525

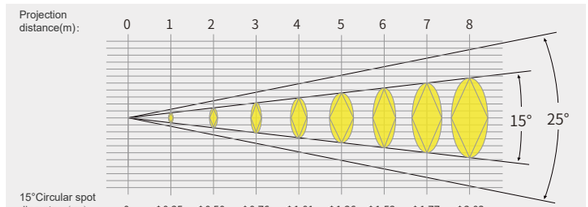



1m 5106 lx 25.3 cm
2m 1276 lx 50.7 cm
3m 567 lx 76.1 cm
4m 319 lx 101.5cm
5m 204 lx 126.9 cm



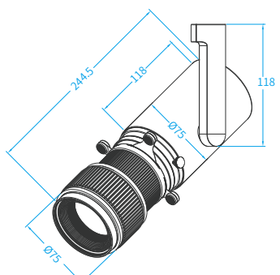

1m 2432 lx 40.9 cm
2m 608 lx 81.9 cm
3m 270 lx 122.8 cm
4m 152 lx 163.8cm
5m 97 lx 204.7 cm

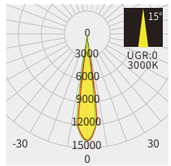



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 15°Circular spot diameter（m）: | 0 | Φ0.25 | Φ0.50 | Φ0.76 | Φ1.01 | Φ1.26 | Φ1.52 | Φ1.77 | Φ2.03 |
| 25°Circular spot diameter（m）: | 0 | Φ0.40 | Φ0.81 | Φ1.22 | Φ1.63 | Φ2.04 | Φ2.45 | Φ2.86 | Φ3.27 |
| 15°Square-spot side length（m）: | 0 | L0.17 | L0.35 | L0.53 | L0.71 | L0.88 | L1.06 | L1.24 | L1.42 |
| 25°Square-spot side length（m）: | 0 | L0.28 | L0.57 | L0.85 | L1.14 | L1.43 | L1.71 | L2.00 | L2.29 |

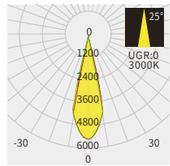

| Power | Luminous flux | Ra | Color temperature | Zoom range | DIP CCT single lamp dimming | G.W. | Filter Specifications | Casing color |
|---|---|---|---|---|---|---|---|---|
| 10W | 300~350LM | Ra≥97 | 2700K/3000K/4000K | 15°~25° | Support (pick one from two) | 0.65Kg | 37mm | Black/white |

## GHST2008S-7525

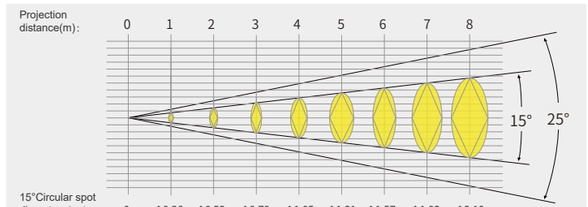



1m 13902 lx 26.2 cm
2m 3475 lx 52.5 cm
3m 1545 lx 78.7 cm
4m 869 lx 105cm
5m 556 lx 131.3 cm



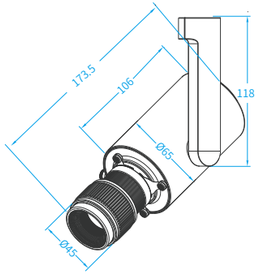

1m 5541 lx 42.7 cm
2m 1385 lx 85.5 cm
3m 615 lx 128.3 cm
4m 346 lx 171.1cm
5m 221 lx 213.9 cm

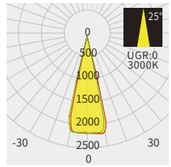



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 15°Circular spot diameter（m）: | 0 | Φ0.26 | Φ0.52 | Φ0.78 | Φ1.05 | Φ1.31 | Φ1.57 | Φ1.83 | Φ2.10 |
| 25°Circular spot diameter（m）: | 0 | Φ0.42 | Φ0.85 | Φ1.28 | Φ1.71 | Φ2.13 | Φ2.56 | Φ2.99 | Φ3.42 |
| 15°Square-spot side length（m）: | 0 | L0.18 | L0.37 | L0.55 | L0.73 | L0.92 | L1.10 | L1.29 | L1.47 |
| 25°Square-spot side length（m）: | 0 | L0.30 | L0.60 | L0.90 | L1.20 | L1.50 | L1.80 | L2.10 | L2.41 |

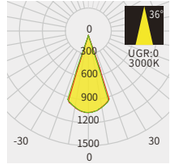

| Power | Luminous flux | Ra | Color temperature | Zoom range | DIP CCT single lamp dimming | G.W. | Filter Specifications | Casing color |
|---|---|---|---|---|---|---|---|---|
| 20W | 650~750LM | Ra≥97 | 2700K/3000K/4000K | 15°~25° | Support | 1.41Kg | 67mm | Black/white |

## GHST1008S-4536

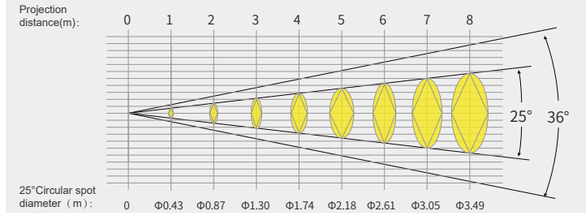



1m 2167 lx 43.6 cm
2m 541 lx 87.3 cm
3m 240 lx 130.9 cm
4m 135 lx 174.6cm
5m 86 lx 218.5 cm



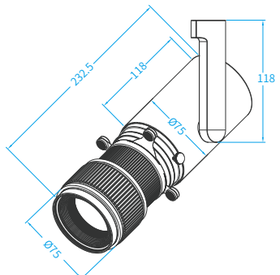

1m 1014 lx 66.3 cm
2m 253 lx 132.7 cm
3m 112 lx 199 cm
4m 63 lx 265.4cm
5m 40 lx 311.7 cm

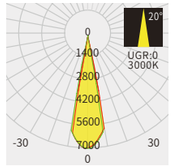



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 25°Circular spot diameter（m）: | 0 | Φ0.43 | Φ0.87 | Φ1.30 | Φ1.74 | Φ2.18 | Φ2.61 | Φ3.05 | Φ3.49 |
| 36°Circular spot diameter（m）: | 0 | Φ0.66 | Φ1.32 | Φ1.99 | Φ2.65 | Φ3.31 | Φ3.98 | Φ4.64 | Φ5.30 |
| 25°Square-spot side length（m）: | 0 | L0.30 | L0.61 | L0.91 | L1.22 | L1.52 | L1.83 | L2.13 | L2.44 |
| 36°Square-spot side length（m）: | 0 | L0.46 | L0.92 | L1.39 | L1.85 | L2.32 | L2.78 | L3.24 | L3.71 |

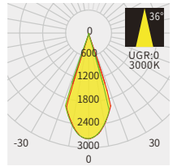

| Power | Luminous flux | Ra | Color temperature | Zoom range | DIP CCT single lamp dimming | G.W. | Filter Specifications | Casing color |
|---|---|---|---|---|---|---|---|---|
| 10W | 300~350LM | Ra≥97 | 2700K/3000K/4000K | 25°~36° | Support (pick one from two) | 0.65Kg | 37mm | Black/white |

## GHST2008S-7536

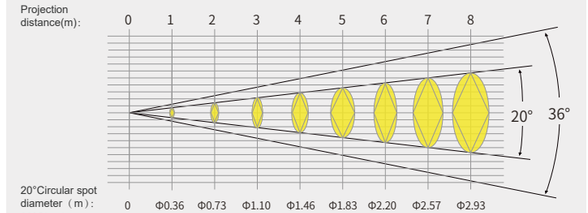



1m 6887 lx 36.7 cm
2m 1722 lx 73.4 cm
3m 765 lx 110.1 cm
4m 430 lx 146.8cm
5m 275 lx 183.6 cm



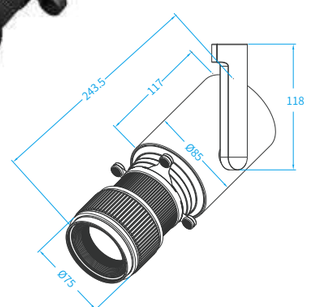

1m 2730 lx 63.9 cm
2m 682 lx 127.8 cm
3m 303 lx 191.7 cm
4m 170 lx 255.6cm
5m 109 lx 319.5 cm

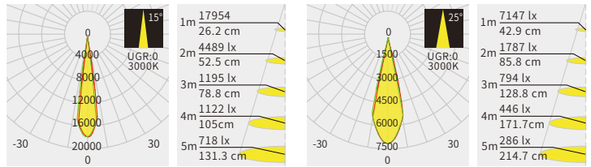


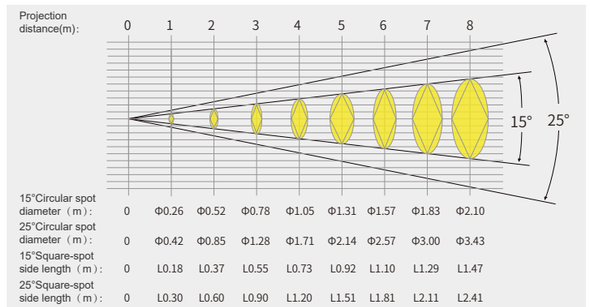

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 20°Circular spot diameter（m）: | 0 | Φ0.36 | Φ0.73 | Φ1.10 | Φ1.46 | Φ1.83 | Φ2.20 | Φ2.57 | Φ2.93 |
| 36°Circular spot diameter（m）: | 0 | Φ0.63 | Φ1.27 | Φ1.91 | Φ2.55 | Φ3.19 | Φ3.83 | Φ4.47 | Φ5.11 |
| 20°Square-spot side length（m）: | 0 | L0.25 | L0.51 | L0.77 | L1.03 | L1.29 | L1.55 | L1.81 | L2.07 |
| 36°Square-spot side length（m）: | 0 | L0.45 | L0.90 | L1.35 | L1.80 | L2.25 | L2.70 | L3.15 | L3.60 |


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

## GHST3008S-7525



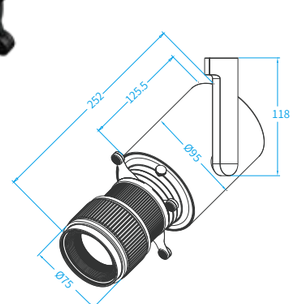



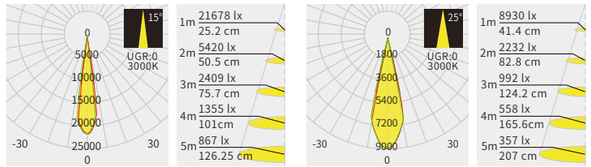



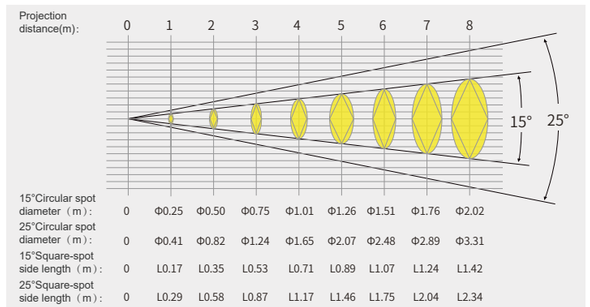

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 15°Circular spot diameter（m）: | 0 | Φ0.26 | Φ0.52 | Φ0.78 | Φ1.05 | Φ1.31 | Φ1.57 | Φ1.83 | Φ2.10 |
| 25°Circular spot diameter（m）: | 0 | Φ0.42 | Φ0.85 | Φ1.28 | Φ1.71 | Φ2.14 | Φ2.57 | Φ3.00 | Φ3.43 |
| 15°Square-spot side length（m）: | 0 | L0.18 | L0.37 | L0.55 | L0.73 | L0.92 | L1.10 | L1.29 | L1.47 |
| 25°Square-spot side length（m）: | 0 | L0.30 | L0.60 | L0.90 | L1.20 | L1.51 | L1.81 | L2.11 | L2.41 |


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

## GHST4008S-7525



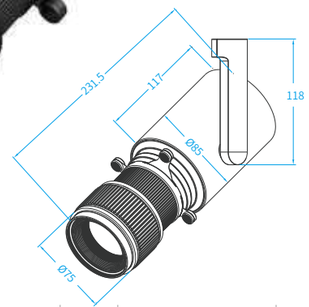



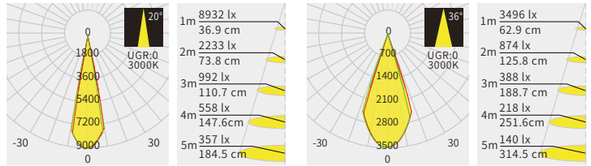



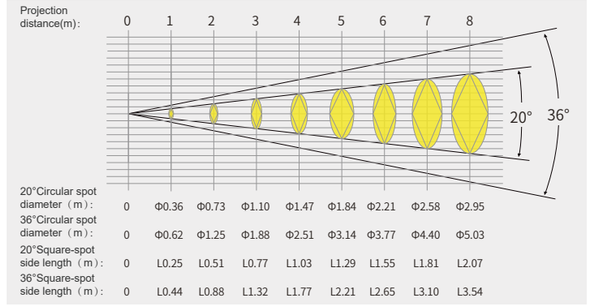

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 15°Circular spot diameter（m）: | 0 | Φ0.25 | Φ0.50 | Φ0.75 | Φ1.01 | Φ1.26 | Φ1.51 | Φ1.76 | Φ2.02 |
| 25°Circular spot diameter（m）: | 0 | Φ0.41 | Φ0.82 | Φ1.24 | Φ1.65 | Φ2.07 | Φ2.48 | Φ2.89 | Φ3.31 |
| 15°Square-spot side length（m）: | 0 | L0.17 | L0.35 | L0.53 | L0.71 | L0.89 | L1.07 | L1.24 | L1.42 |
| 25°Square-spot side length（m）: | 0 | L0.29 | L0.58 | L0.87 | L1.17 | L1.46 | L1.75 | L2.04 | L2.34 |


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

## GHST3008S-7536



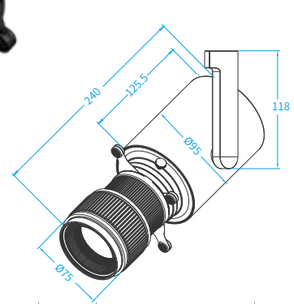



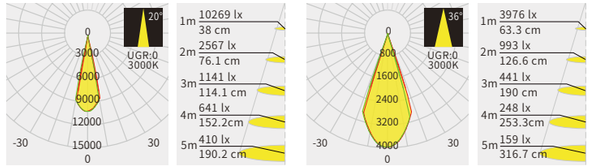



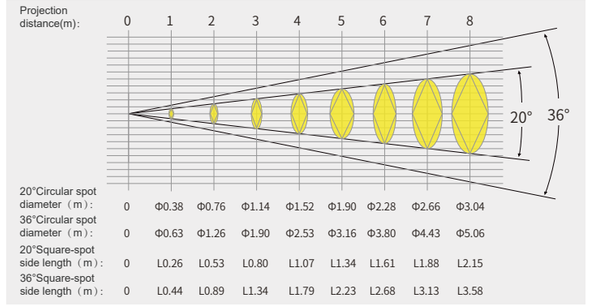

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 20°Circular spot diameter（m）: | 0 | Φ0.36 | Φ0.73 | Φ1.10 | Φ1.47 | Φ1.84 | Φ2.21 | Φ2.58 | Φ2.95 |
| 36°Circular spot diameter（m）: | 0 | Φ0.62 | Φ1.25 | Φ1.88 | Φ2.51 | Φ3.14 | Φ3.77 | Φ4.40 | Φ5.03 |
| 20°Square-spot side length（m）: | 0 | L0.25 | L0.51 | L0.77 | L1.03 | L1.29 | L1.55 | L1.81 | L2.07 |
| 36°Square-spot side length（m）: | 0 | L0.44 | L0.88 | L1.32 | L1.77 | L2.21 | L2.65 | L3.10 | L3.54 |


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

## GHST4008S-7536



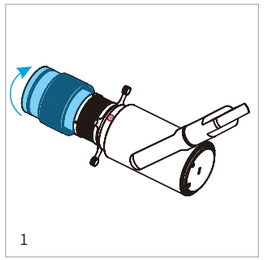



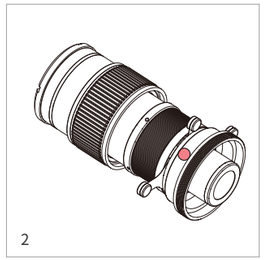

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 20°Circular spot diameter（m）: | 0 | Φ0.38 | Φ0.76 | Φ1.14 | Φ1.52 | Φ1.90 | Φ2.28 | Φ2.66 | Φ3.04 |
| 36°Circular spot diameter（m）: | 0 | Φ0.63 | Φ1.26 | Φ1.90 | Φ2.53 | Φ3.16 | Φ3.80 | Φ4.43 | Φ5.06 |
| 20°Square-spot side length（m）: | 0 | L0.26 | L0.53 | L0.80 | L1.07 | L1.34 | L1.61 | L1.88 | L2.15 |
| 36°Square-spot side length（m）: | 0 | L0.44 | L0.89 | L1.34 | L1.79 | L2.23 | L2.68 | L3.13 | L3.58 |

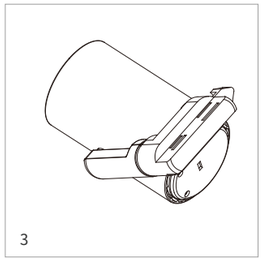

| Power | Luminous flux | Ra | Color temperature | Zoom range | DIP CCT single lamp dimming | G.W. | Filter Specifications | Casing color |
|---|---|---|---|---|---|---|---|---|
| 37W | 1050~1200LM | Ra≥97 | 2700K/3000K/4000K | 20°~36° | Support | 1.62Kg | 67mm | Black/white |

## Projection Functions

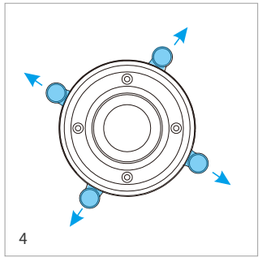
Ⅰ. First, tighten the hand screw shown in Figure 1 (red part), rotate and separate the main body portion of the lens (blue part) from the lamp body. Figure 2 is the separated optical lens portion; Figure 3 is the separated lamp body portion.

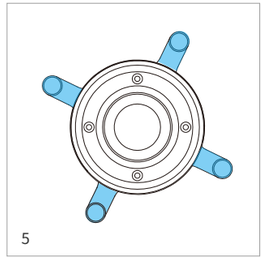

1

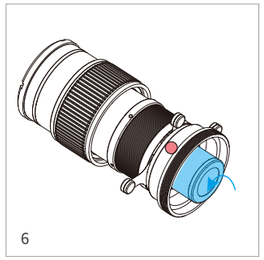

2


3

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

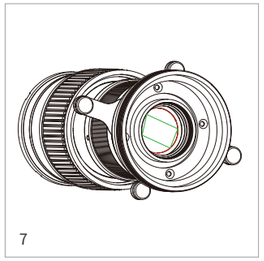

4

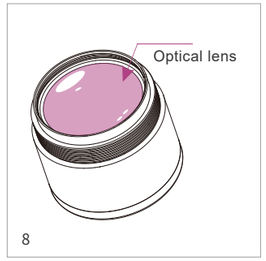

5


6

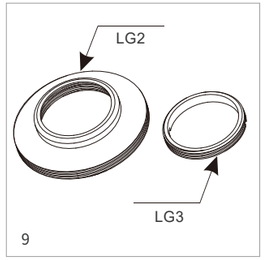
Ⅲ. Unscrew the blue part of the optical components at the bottom of the lens in Figure 6, and separate it as shown in Figures 7 and 8.

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.


7

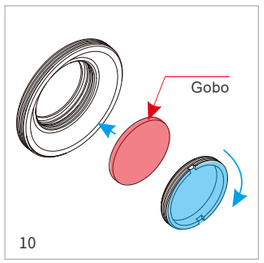


8

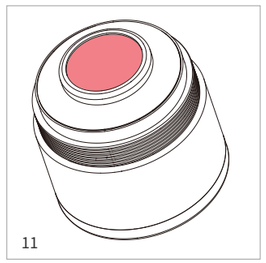


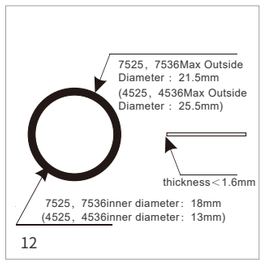
9

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



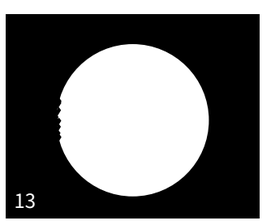
10


11



12

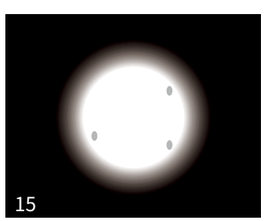
## Daily maintenance


13

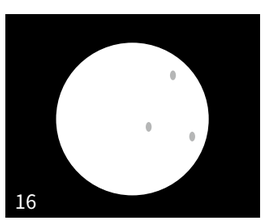
Ⅰ.When the edge of the circular spot becomes rough or granular (Figure 13), please open the lens and wipe the red part in Figure 7 with a dust-free cloth or eyeglass cloth.


14

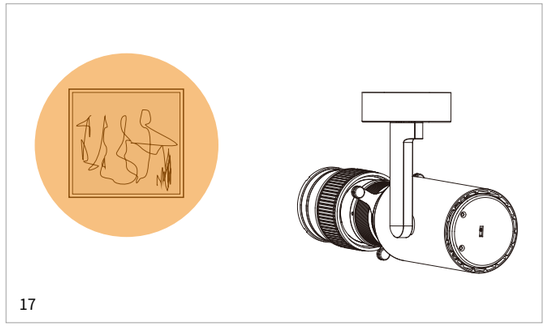
Ⅱ.When the edge of the square spot becomes rough or granular (Figure 14), please open the lens and wipe the green edge in Figure 7 with a dust-free cloth or eyeglass cloth.


15

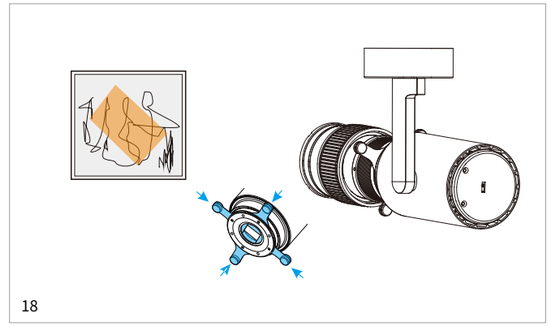
Ⅲ.When small shadows or particles appear in the middle or edge of any spot (Figure 15, 16), open the lens and wipe the optical lens in Figure 8 with a dust-free cloth or eyeglass cloth.


16

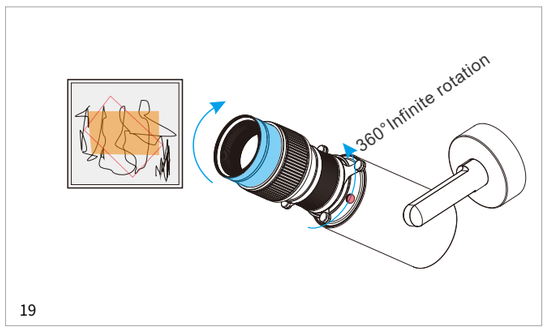
## Instruction Manual


17

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.

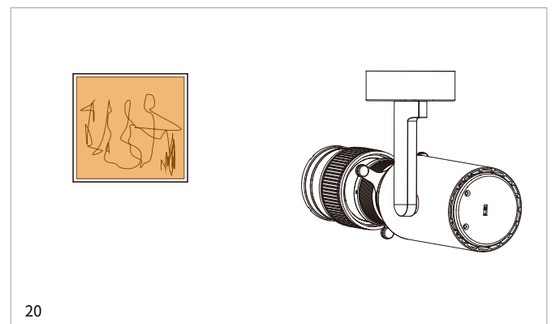

18

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.



19

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.


20

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.

3635/3645

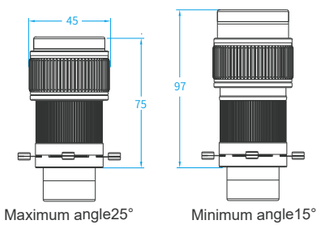
6025/6036

4525/4536

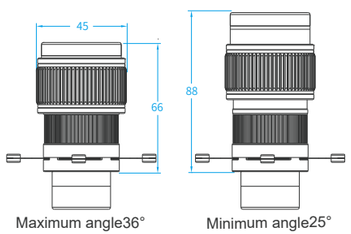
7525/7536

4810
4820
4830
4840
4855

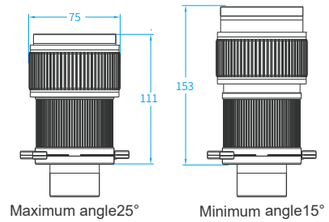
5810
5820
5830
5840
5855



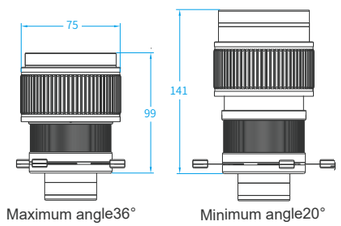

| Lens type | Casing color | Uniformity | TV distortion | Zoom Range | Optical lenses | Luminous output rate | Lens weight | Compatible light sources | Filter specifications |
|---|---|---|---|---|---|---|---|---|---|
| 4525 | Black/white | 93% | <2% | 15°~25° | 7pcs | 41% | 184g | Luminous surface≤6mm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




| 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 surface≤6mm | 37mm |

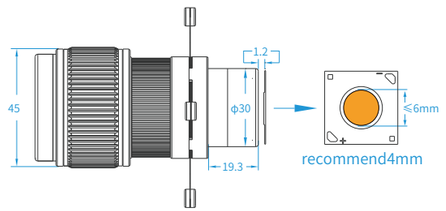



| Lens type | Casing color | Uniformity | TV distortion | Zoom Range | Optical lenses | Luminous output rate | Lens weight | Compatible light sources | Filter specifications |
|---|---|---|---|---|---|---|---|---|---|
| 7525 | Black/white | 91% | <2% | 15°~25° | 6pcs | 41% | 741g | Luminous surface≤11mm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




| 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 surface≤11mm | 67mm |

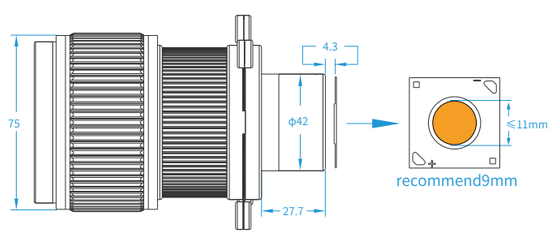
**Light source board mounting distance**




**4525\4536**

| Power | Officially recommended light sources |
|---|---|
| 5~15W | CITIZEN 7A2<br>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.

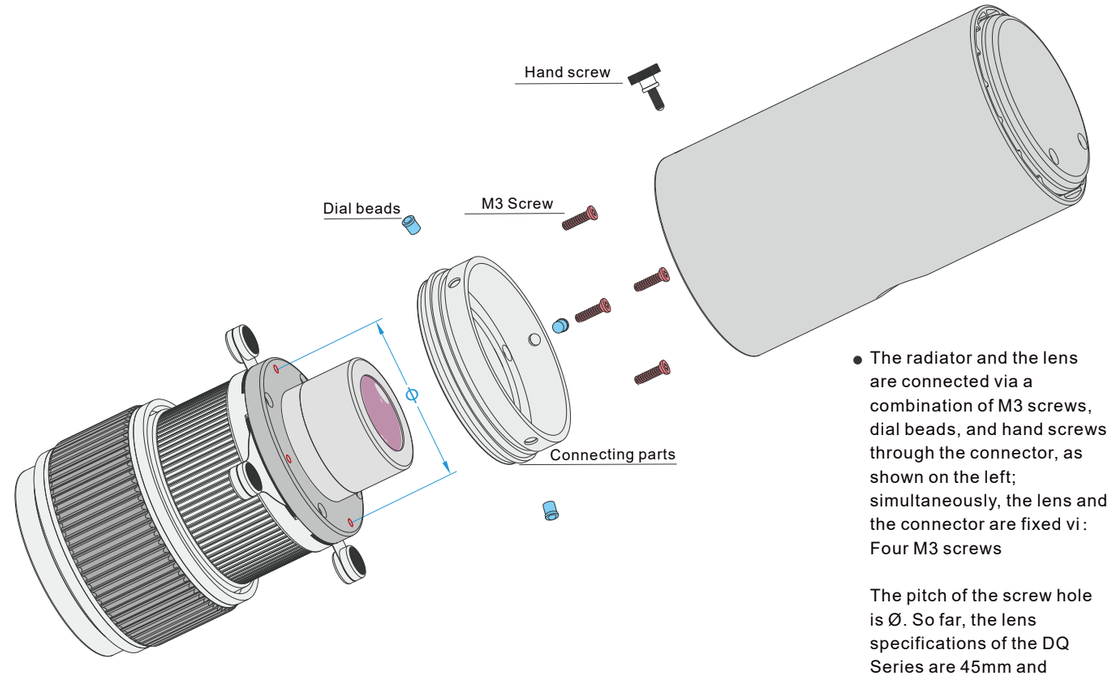



**7525\7536**

| Power | Officially recommended light sources |
|---|---|
| 20~25W | CITIZEN 702<br>LUMINUS CHM-6 |
| 30~40W | CITIZEN 712<br>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 DQ Series are 45mm and 75mm.
45:Ø=35.5mm
75:Ø=58.5mm