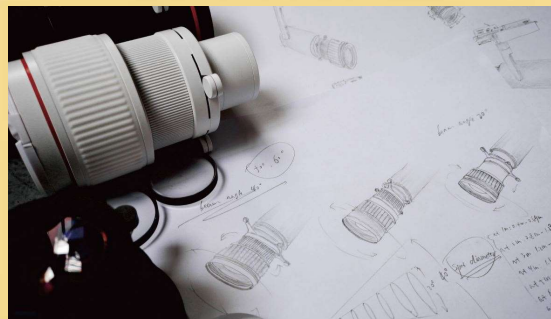


# The Art Light Series

"Precision Picture Framing & Gobo Projection"







# 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

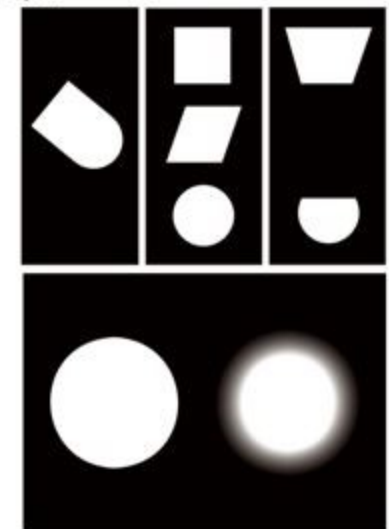
Loosen the manual screw and turn the lens to achieve the 360° spot rotation adjustment function.

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

## 4 Optical-grade variable aperture design

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

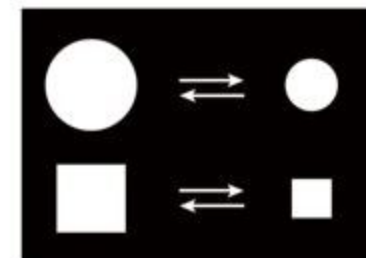
Manual insertion and removal of the light cutting device can freely change the shape of the spot.



## 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.



## 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...

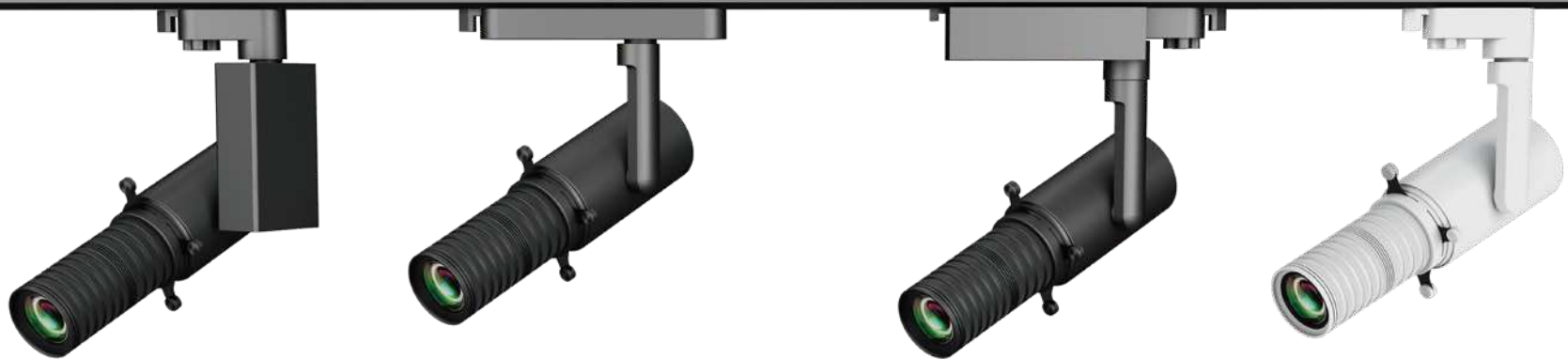
A new optical path specially designed for COB light sources.

## 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.

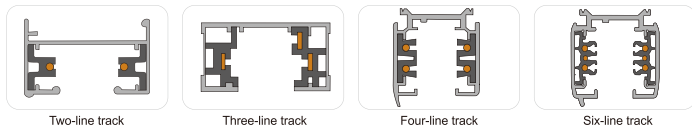




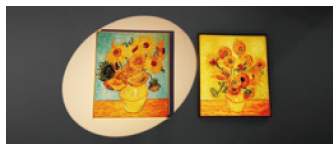
series shapeable track light features a compact design, with dry mechanical damping system. It achieves stable and reliable front and rear zoom, spot shaping and projection, ultra-high cost performance, very suitable for the current new commercial lighting design and no main lamp design. |



**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**

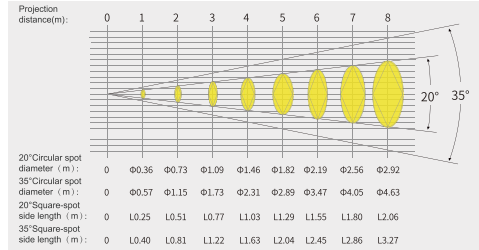
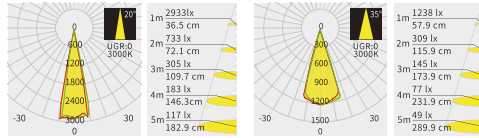
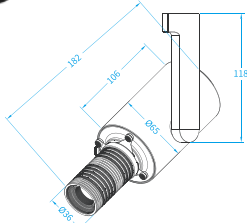


Support 1-10V, DMX, DALI, ZGEBI, and other mainstream control. Can also be connected with Huawei, Tuya, Xiaomi, Tmall Elf, Amazon, Google, and other smart AI control systems.

**Projection support**

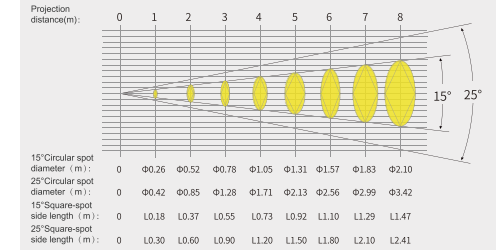
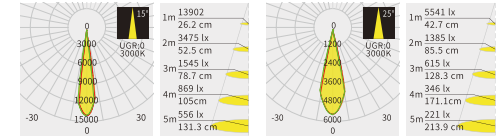
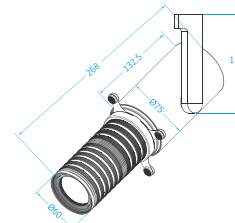


### GHSGZT1008L-3635



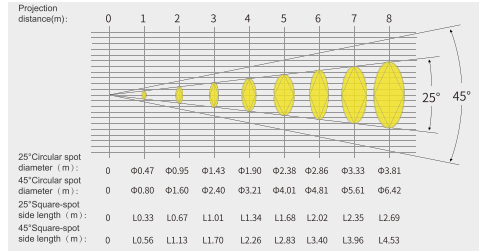
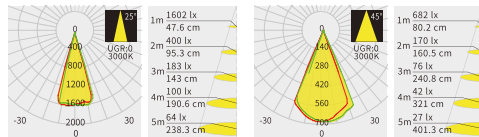
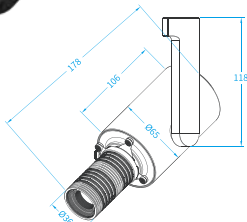
| Power | Luminous flux | Ra    | Color temperature | Zoom range | DIP CCT<br>single lamp dimming | G.W.   | Filter Specifications | Casing color |
|-------|---------------|-------|-------------------|------------|--------------------------------|--------|-----------------------|--------------|
| 10W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

### GHSGZT2008L-6025



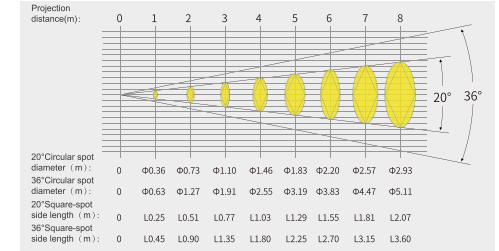
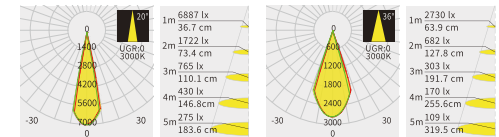
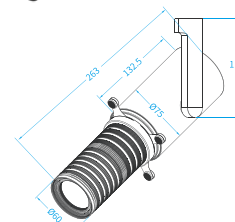
| Power | Luminous flux | Ra    | Color temperature | Zoom range | DIP CCT<br>single lamp dimming | G.W.   | Filter Specifications | Casing color |
|-------|---------------|-------|-------------------|------------|--------------------------------|--------|-----------------------|--------------|
| 20W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

### GHSGZT1008L-3645



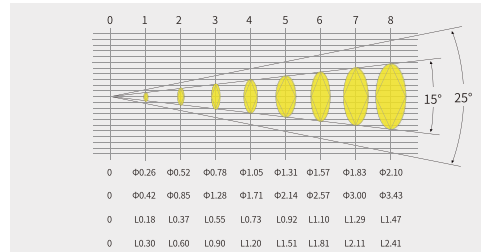
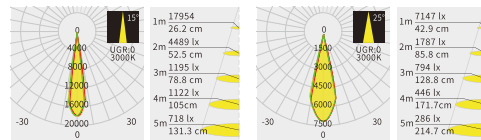
| Power | Luminous flux | Ra    | Color temperature | Zoom range | DIP CCT<br>single lamp dimming | G.W.   | Filter Specifications | Casing color |
|-------|---------------|-------|-------------------|------------|--------------------------------|--------|-----------------------|--------------|
| 10W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

### GHSGZT2008L-6036



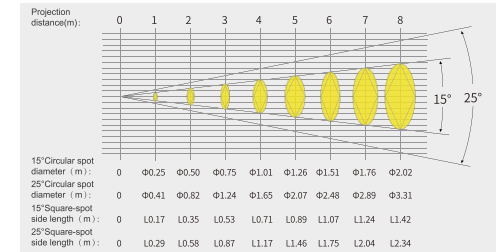
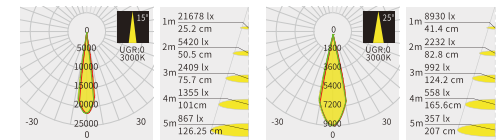
| Power | Luminous flux | Ra    | Color temperature | Zoom range | DIP CCT<br>single lamp dimming | G.W.   | Filter Specifications | Casing color |
|-------|---------------|-------|-------------------|------------|--------------------------------|--------|-----------------------|--------------|
| 20W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

### GHSGZT3008L-6025



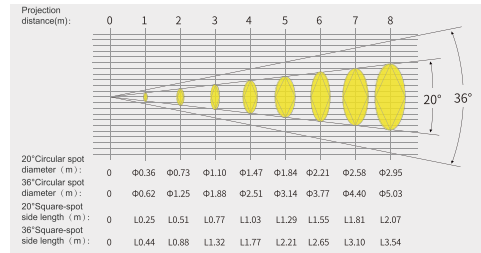
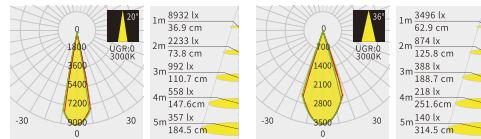
| Power | Luminous flux | Ra    | Color temperature | Zoom range | DIP CCT<br>single lamp dimming | G.W.   | Filter Specifications | Casing color |
|-------|---------------|-------|-------------------|------------|--------------------------------|--------|-----------------------|--------------|
| 28W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

### GHSGZT4008L-6025



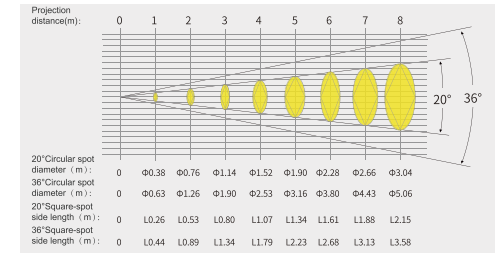
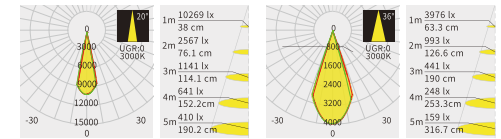
| Power | Luminous flux | Ra    | Color temperature | Zoom range | DIP CCT<br>single lamp dimming | G.W.   | Filter Specifications | Casing color |
|-------|---------------|-------|-------------------|------------|--------------------------------|--------|-----------------------|--------------|
| 37W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

### GHSGZ3008L-6036



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

### GHSGZT4008L-6036



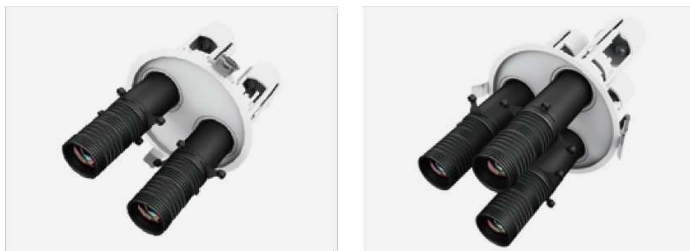
| Power | Luminous flux | Ra    | Color temperature | Zoom range | DIP CCT<br>single lamp dimming | G.W.   | Filter Specifications | Casing color |
|-------|---------------|-------|-------------------|------------|--------------------------------|--------|-----------------------|--------------|
| 37W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



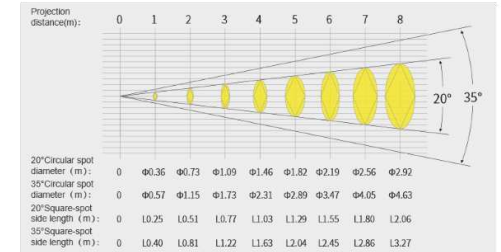
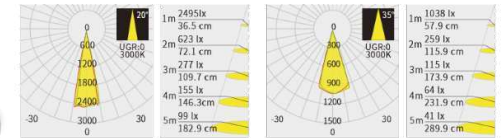
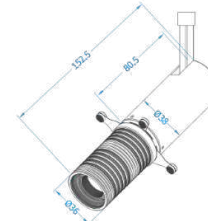




A mini shapeable track light with a maximum diameter of only 36mm, the maximum angle of up to 45 degrees. Suitable for any commercial lighting. Support embedded installation, magnetic installation, and track installation.

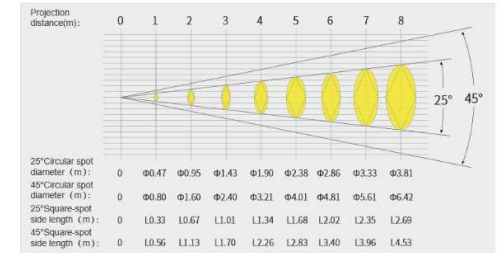
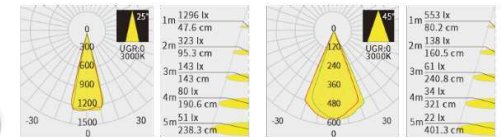
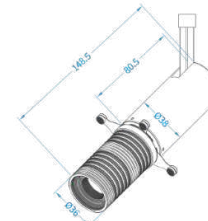


### GHSGZD0870L-3635



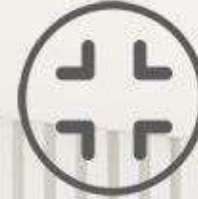
| Power | Luminous flux | Ra    | Color temperature | Zoom range | DIP CCT<br>single lamp dimming | G.W.   | Filter Specifications | Casing color |
|-------|---------------|-------|-------------------|------------|--------------------------------|--------|-----------------------|--------------|
| 8W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

### GHSGZD0870L-3645



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

Specially designed for residential and high-end commercial spaces, dia 36mm only, with multi-functions of Light spot shaping / Zooming / Smart control/ Gobo projection.

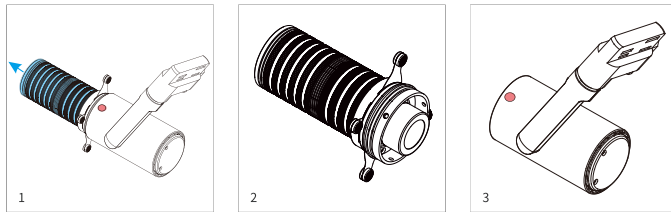


Mini type, lens diameter is only 36mm

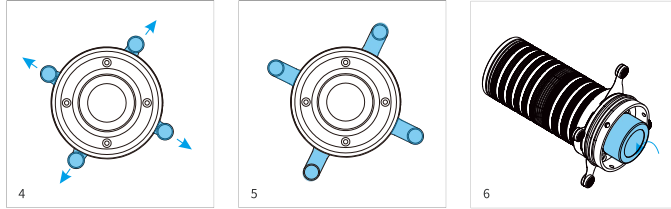


## Projection Functions

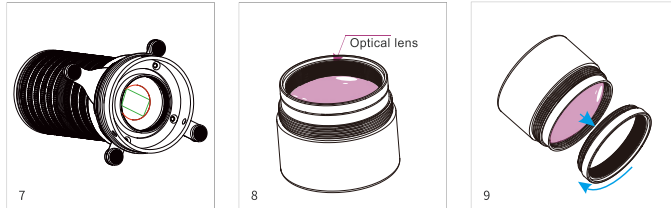
I. First loosen and pull out the hand screw (red part) shown in FIG. 1, and then pull out the main part of the lens (blue area) and separate it from the lamp body; Figure 2 shows the part of the optical lens after separation, and Figure 3 shows the part of the lamp body after separation.



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.

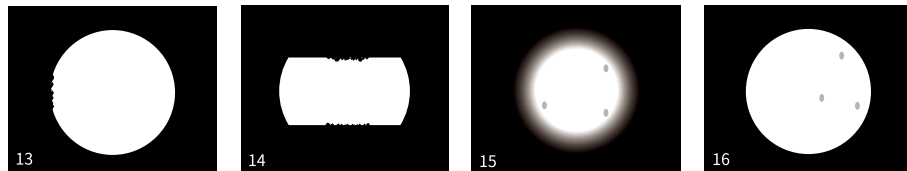


IV. Find the gobo device delivered by the manufacturer (the red part in Figure 10), install the gobo device as shown in Figure 10, and then reinstall the optical lens as shown in Figure 11, and then reinstall the lens as shown in Figure 6, and then reinstall the lamp body as shown in Figure 1. The LOGO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



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

## Daily maintenance

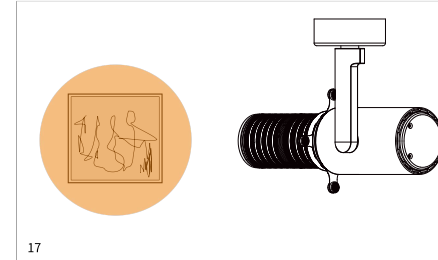


I. When the edge of the circular spot becomes rough or granular (Figure 13), please open the lens and wipe the red part in Figure 7 with a dust-free cloth or eyeglass cloth.

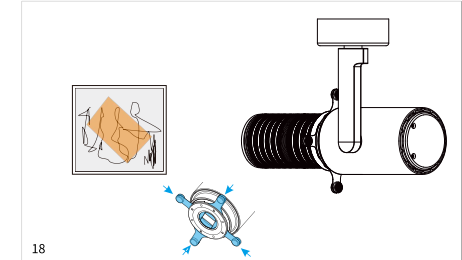
II. When the edge of the square spot becomes rough or granular (Figure 14), please open the lens and wipe the green edge in Figure 7 with a dust-free cloth or eyeglass cloth.

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.

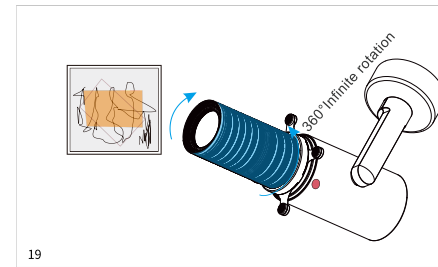
## Instruction Manual



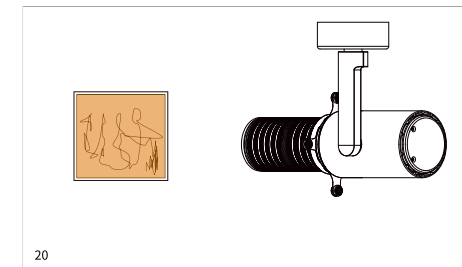
I. Adjust the aperture to the appropriate size, and facing the center of the irradiated object, adjust the sharpness to a reasonable degree, as shown in Figure 17.



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.

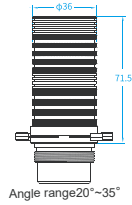


IV. Stretch the diaphragm sheet one by one outward until the spot size is substantially consistent with the object, as shown in Figure 20. If you are not satisfied with the effect, it is recommended to repeat the operation according to the above steps to bring up the spot effect you are happy with.

## Important Notes

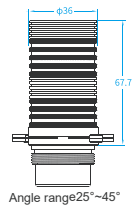
1. When replacing the projector, be sure to pull all four diaphragm sheets outward to the maximum extent and then load the projection device. Otherwise, it may damage the lens parts, affecting the spot shaping effect.
2. Do not remove the rest of the lens except for replacing the projection unit and 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.

# GHSZT/D SERIES



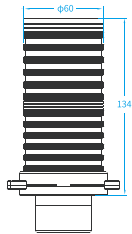
Angle range 20°~35°

| 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                  |



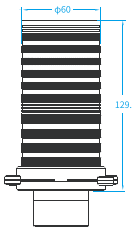
Angle range 25°~45°

| 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                  |



Angle range 15°~25°

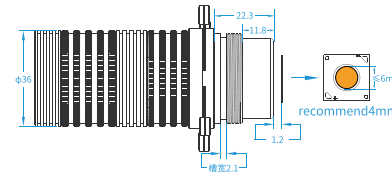
| Lens type | Casing color | Uniformity | TV distortion | Zoom Range | Optical lenses | Luminous output rate | Lens weight | Compatible light sources | Filter specifications |
|-----------|--------------|------------|---------------|------------|----------------|----------------------|-------------|--------------------------|-----------------------|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



Angle range 20°~36°

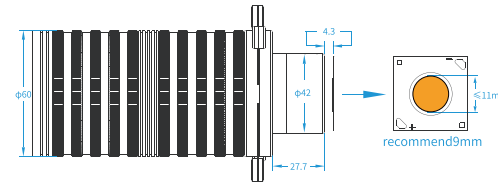
| Lens type | Casing color | Uniformity | TV distortion | Zoom Range | Optical lenses | Luminous output rate | Lens weight | Compatible light sources | Filter specifications |
|-----------|--------------|------------|---------------|------------|----------------|----------------------|-------------|--------------------------|-----------------------|
| 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<br>LUMINUS CXM-4         |
| 5~8W      | LUMINUS CXM-3                        |

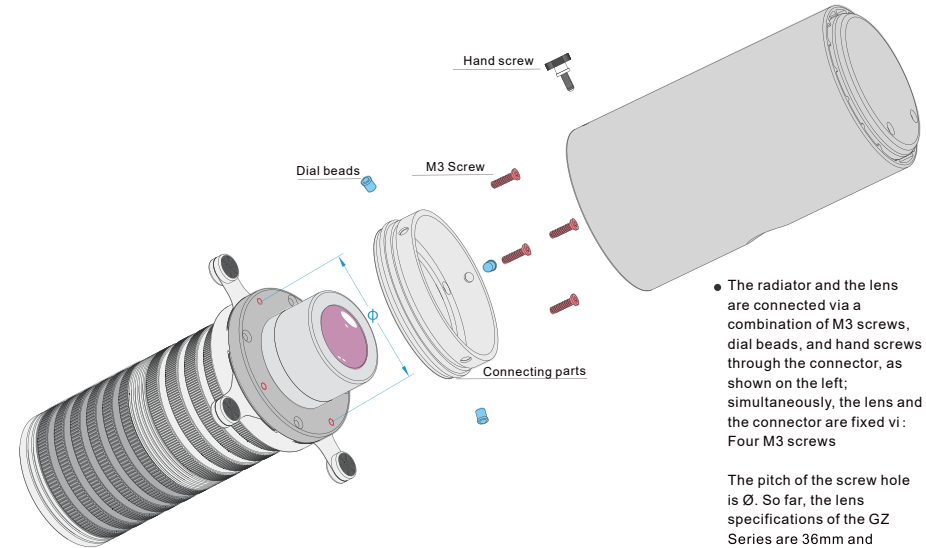
● The distance from the bottom of the condenser lens to the light source substrate is 1.2 mm, and the maximum size of the light-emitting surface diameter of the light source shall not be greater than 6mm. the smaller the light-emitting surface, the higher the image quality. If you encounter poor light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



| 6025/6036 |                                      |
|-----------|--------------------------------------|
| 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 via: Four M3 screws

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

60:  $\emptyset$ =58.5mm

