ZOOM

The main zoom product in the Kirin Optical Platform, zoom without changing sizes

The zoom module is composed of a lens, a lens holder, and a fixed holder, wherein the lens holder drives the lens to move back and forth in the fixed holder to realize the change of the focal length of the lens relative to the position of the LED, thereby realizing the change of the angle. In the zoom module development plan, the outer diameter is consistent with other dimensions of the Kirin Optical Platform. The total planned outer diameters are 30, 35, 45, 50, 55, 62, 75.


Structure A   Structure B

Easy install

After the customer gets the zoom module, they only need to add a zoom connection structure and fix it on the lens holder with screws, that is, the module can be rotated on the Kirin Optical Platform holder, and the front part of the lamp can be completed by adding the lamp shell, and the structure is simple.

Structure A   Structure B

Fermat microstructure design

The convex lens is partially designed with Fermat microstructure, which makes the overall light spot soft and cut off, and the transition light spot is more natural.


The light direction of   The light direction of
narrow beam angle   wide beam angle
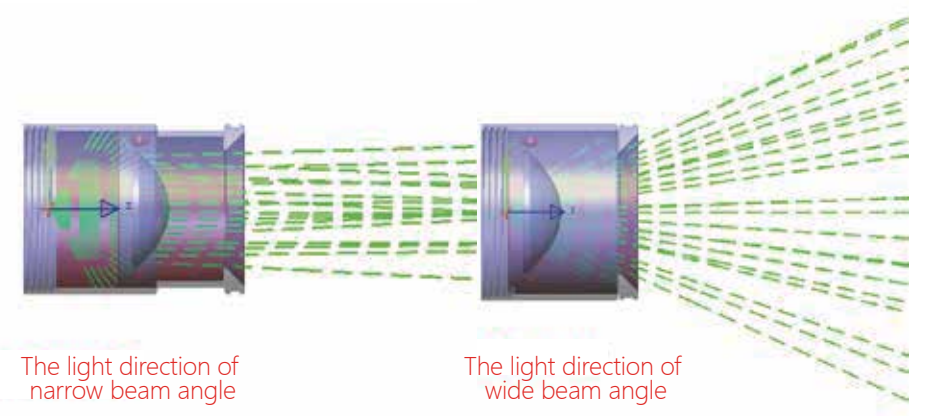
Anti-glare effect

The zoom module has an anti-glare angle of 38°itself, and the anti-glare angle remains unchanged during the entire zooming process, so that the zoom module can achieve excellent anti-glare effect at all angles. The following pictures are the real shot effect of the small, medium and large angle.
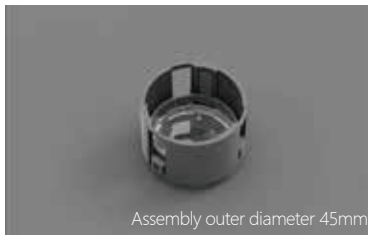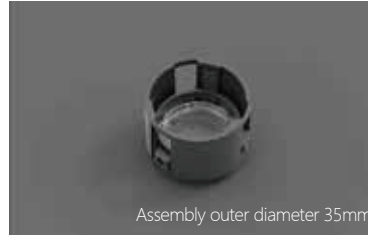
ZOOM

Assembly outer diameter 30mm
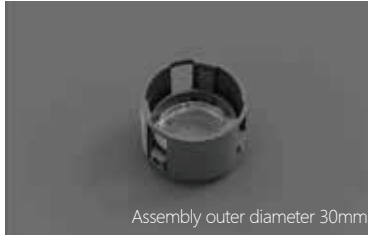
ZOOM 22@06

φ: 22mm   H: 6mm
Material: PC
FWHM: 10°~45°
Efficiency: /

Assembly outer diameter 35mm

ZOOM 27@08

φ: 27mm   H: 8mm
Material: PC
FWHM: 10°~45°
Efficiency: /

Assembly outer diameter 55mm

ZOOM 47@15

φ: 47mm   H: 15mm
Material: PC
FWHM: 10°~45°
Efficiency: /

Assembly outer diameter 45mm

ZOOM 37@12

φ: 37mm   H: 12mm
Material: PC
FWHM: 10°~45°
Efficiency: /

Assembly outer diameter 50mm
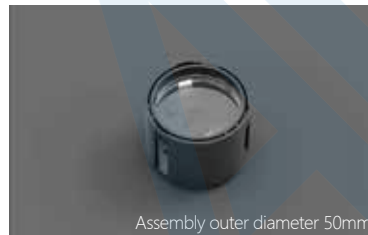
ZOOM 42@13

φ: 42mm   H: 13mm
Material: PC
FWHM: 10°~45°
Efficiency: /

Assembly outer diameter 62mm
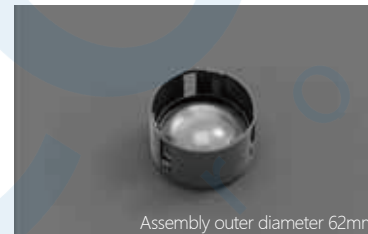
ZOOM 54@16

φ: 54mm   H: 16mm
Material: PC
FWHM: 10°~45°
Efficiency: /

Assembly outer diameter 75mm

ZOOM 65@19

φ: 65mm   H: 19mm
Material: PC
FWHM: 10°~45°
Efficiency: /