

Chengdu Herculux Photoelectric Technology Co., Ltd

Product Approval

Approval number:

Customer:

Product name: **HK Mavic**

Material Code: 1.09.23380

Product number: HK-38@74-0922-ASM

Manufacturer: Chengdu Herculux Photoelectric Technology Co., Ltd

Effective date of recognition: / /

Supplier confirmation				Client confirmation			
Proposed		Date		Qualified ☐		Date	
				Unqualified ☐			
Audit		Date		Audit		Date	
Approved		Date		Approved		Date	
Stamp		Date		Stamp		Date	

(Confirmation of acceptance by both parties must be signed and sealed)

Factory: Chengdu Shuangliu District, industrial park IOT 2 road HercuLux Photoelectric Park

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*Approval in duplicate, for both supplier and customer



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恒坤光电

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Shenzhen Herculux photoelectric technology co., LTD
Address: shenzhen nanshan district nanshan cloud valley innovation industrial park
comprehensive service building, 501-505
TEL: 0755-2937 1541 FAX: 0755-2907 5140

Specification

Product appearance:





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Size:



Technical Remark.

- 1、 The surface treatment of the structural parts of this series of products is: **sandblasting + black matte anodising**, guaranteeing no discolouration within one year.
- 2、 This product is suitable for temperatures not exceeding 80 degrees Celsius, and is not suitable for outdoor environments.

Function:

This product consists of multiple optics for infinite focus, changing the spot shape and the entire optical lens, which can be freely rotated along the base.

①: Maximum circular light spot size.

Light spot at 0.5M: 0.5M;

Light spot at 1M: 1.0M;

Light spot at 1.5M: 1.5M;

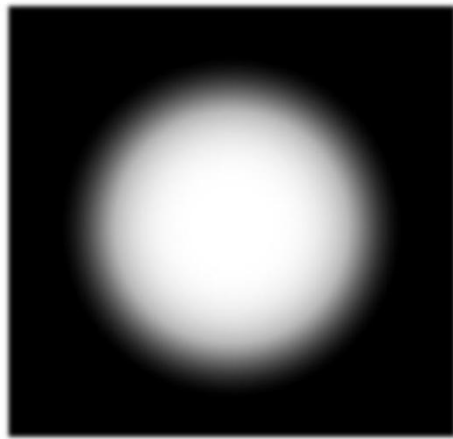
Light spot at 2M: 2.0M;

②: Adjustment of the spot edge sharpness by rotating the adjustment structure.



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③: The shape of the light spot can be freely changed by blocking the light imaging with the insert.

Switchable spot shapes are: square, rectangle, parallelogram, trapezoid, rhombus, semicircle and any irregular quadrilateral, etc.



Instructions:



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Step 1:

By rotating the No. 2 accessory, the No. 1 accessory will drive the inner lens to do telescopic motion, thereby changing the sharpness of the edge of the spot.

1



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Step 2:

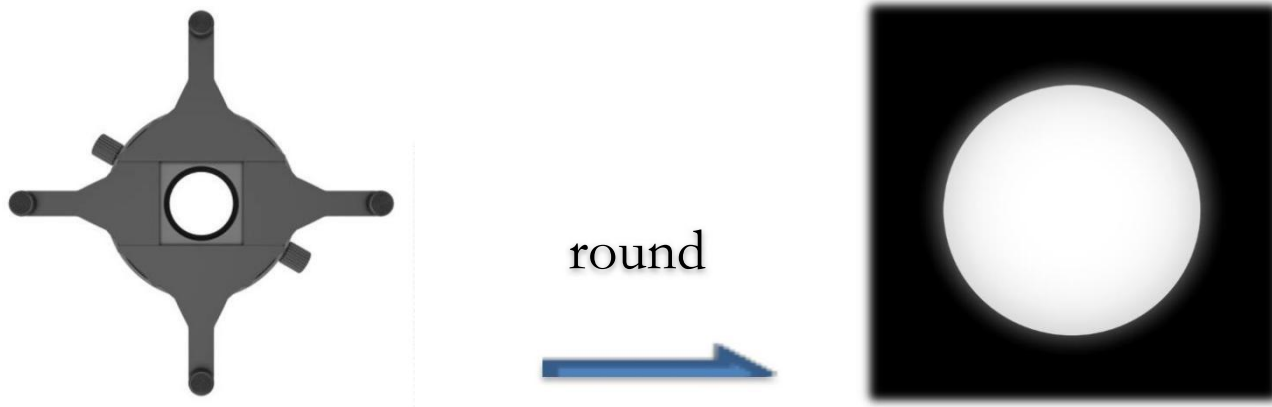
Loosen the thumbscrews 3 on both sides, the whole lamp can be rotated 360° around the No. 4 fitting, so as to correspond to the desired position of the special-shaped light spot.



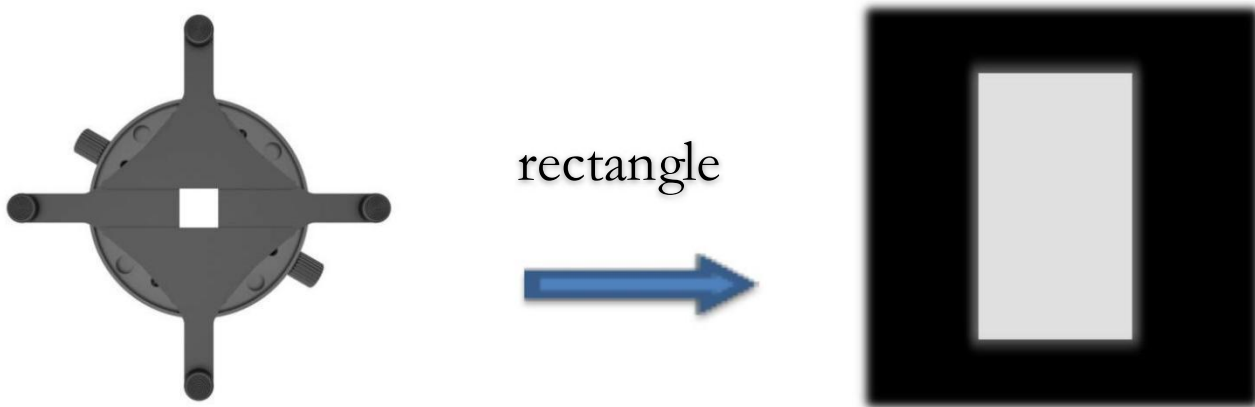
Step 3:

Plug and unplug the four inserts, and rotate the adjustment to change the shape of the spot, as shown in the following example:

State A:



State B:

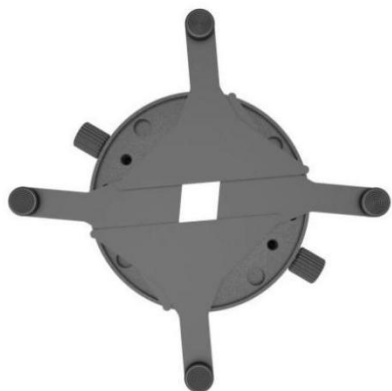


State C:



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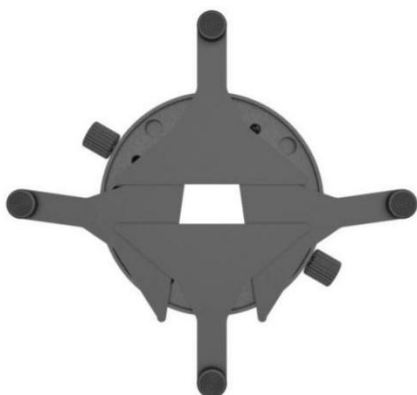
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parallelogram



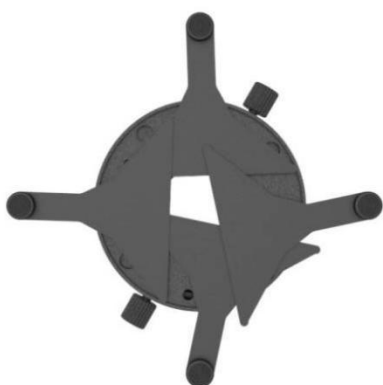
State D:



trapezoid



State E:



irregular
quadrilateral

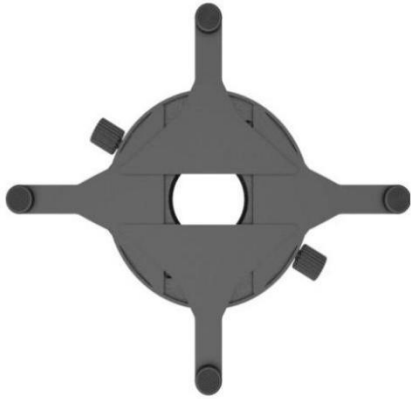


State F:



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cut edge
round

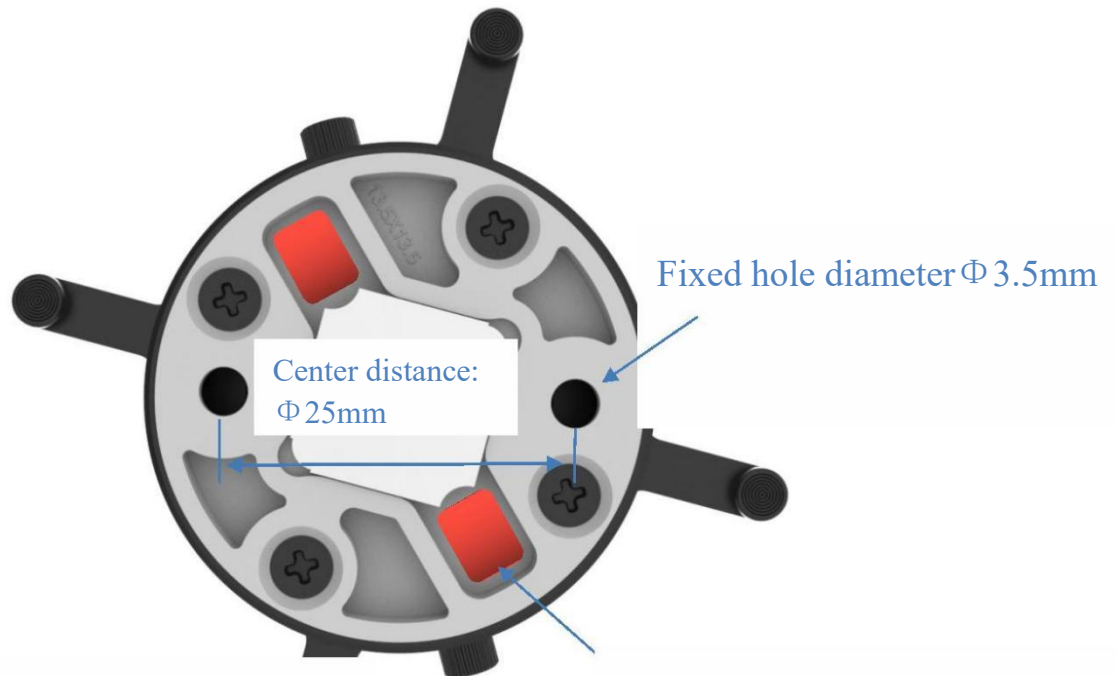


Assembly size:



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Applicable IES of the light source: 4-6mm,

Substrate size: 13.5mm*13.5mm*1mm

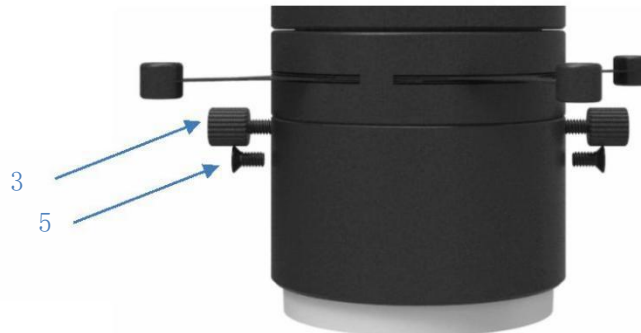
The red area is the outgoing range of the bracket, within $\phi 31\text{mm}$, width: 6mm, the wire diameter is less than 1.6mm.



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Installation method:



Loosen the thumbscrews 3 on both sides and remove the screws 5.



Take out the assembly 6 and put the assembly 6 into the radiator corresponding to the position of the light source

And fix it with screws, and then insert the component 7 into the component



The rotating assembly 7 corresponds to the screw hole, screw in the screw 5, and tighten the thumb screws 3 on both sides.



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Quality Inspection :

Test Report

1.Size		Standard size	Maximum size	Minimum size	Sample 1	Sample 2	Sample 3	Sample 4	Judgeme nt
	Out diameter	38.00	38.10	37.90	38.05	38.07	38.01	37.95	OK
	shortest height	73.80	73.60	74.00	73.90	73.65	73.77	73.81	OK
	Bracket outer diameter	35.00	34.90	35.10	35.02	35.05	34.95	34.97	OK
	Holder height	4.00	4.10	3.90	3.95	3.98	3.93	4.02	OK
	Bracket fixing hole $\varphi 3.5$	25.00	25.10	24.90	25.02	25.05	24.95	24.96	OK
	Maximum zoom range	7.00	7.20	6.80	6.95	7.10	7.15	7.05	OK
2.Appearance	There are no obvious defects such as oil stains, fingerprints, scratches, and dust on the surface of the light-emitting and light-incoming lenses.								OK
	The appearance of aluminum parts has no scratches, oil stains, and the black coating has no peeling and white leakage.								OK
	The inserts are not bent and deformed, and the black coating on the surface is not peeled off or scratched.								OK
3.Functional	The focusing assembly rotates smoothly, with moderate resistance, and there is no jamming								OK



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indicators	and pause.	
	The four blades can be inserted and pulled out smoothly and rotate smoothly, with moderate resistance and no jamming and pause.	OK
	The base rotates smoothly, stays at any angle, the resistance is moderate, and there is no jamming and swinging phenomenon.	OK
	The edge of the cut-off circular spot is smooth without obvious gaps	OK
	Any spot without black spots	OK
	When using the insert to cut off the light spot, the cut-off line is smooth without gaps	OK
	There is no obvious uneven light and dark area in the light spot at any position	OK
Comprehensive judgment	Qualified	
Remark: Tool number: V- Vernier caliper 2D- two-dimensional H- height gauge M- tool microscope P- Needle T- Thickness gauge R- radius gauge E- Visual inspection		

Packing:

Chengdu HercuLux Optoelectronics Technology Co., Ltd.			
PN	HK-38@74-0922-ASM	Product name	HK Small cut light assembly
MN	1.09.23380	Customer	



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Packing Picture		 					
Product packing		1	pcs/box				
Pac king Mat erial	NO.	MN	Item name	Specification	Single box dosage	Unit	Remark
	1		Small carton	125*145*210	1	Pcs	
	2		Sealed bag	8	1	Pcs	
	3		Foam board	60*140*200	2	Pcs	