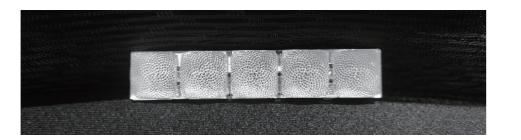
STARRY OPTICAL PLATFORM Firefly & Hidden Series

HercuLux Optics focuses on the design and manufacture of optics for LED lighting, LED Automotive headlamp, UV LED precision light distribution, laser ultra-short-throw projector matching screen who is a modern high-tech enterprise that provides professional



FIREFLY SERIES

Grille-free design, ultra-low glare, excellent lens surfaceillumination uniformity.

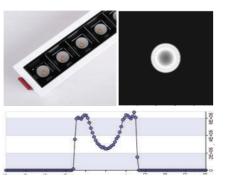


Development Background

Currently, linear light on the market are all in the form of lens + grille, or reflector + grille, which are combined by buckles.



Reflector + Louver



Reflector 20mm single, maximum illumination: 640000

Advantage:

Glare control is better.

Disadvantage: the center light is uncontrollable, the design height is very high, and the center of the surface illumination is sunken.

Lens + Louver





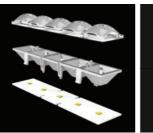
Lens 20mm single, maximum illumination: 1800000

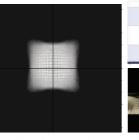
Advantage: Both center light and edge light can be controlled, the design height is relatively high.

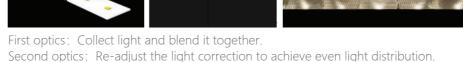
Disadvantage: the surface uniformity is very low, the center brightness is huge, and not anti-glare.

FIREFLY SERIES

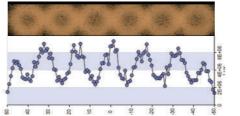
New Solution Design Principles

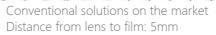


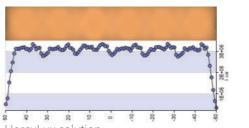




Surface Illumination Comparison





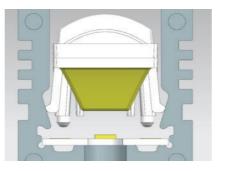


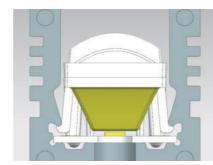
HercuLux solution
Distance from lens to film: 5mm

Structural design recommendations

1.Make guide groove on the profile, align the position and press down to snap it, assembly is very simple.

2.The assembly process does not require screwing, eliminating the need for labour.





FIREFLY SERIES

Product Name

assembling unit

washing Linear assembling unit

assembling unit

assembling unit

shing Linear assembling unit

HK Firefly 6 in 1-40° Linear Lens: PMMA.

HK Firefly 6 in 1-60° Linear Lens: PMMA.

HK Firefly 5 in 1-40° Linear Lens: PMMA.

HK Firefly 5 in 1-60° Linear Lens: PMMA,

Wall HK Firefly 5 in 1-Wall washing Lens: PMMA,

Wall HK Firefly Single Lens-Wall Lens: PMMA.

HK Firefly 2 in 1-40° Linear Lens: PMMA,

HK Firefly 2 in 1-60° Linear Lens: PMMA,

HK Firefly 3 in 1-20° Linear Lens: PMMA,

HK Firefly 3 in 1-60° Linear Lens: PMMA,

Wall HK Firefly 3 in 1-Wall washing Lens: PMMA,

Wall HK Firefly 2 in 1-Wall washing Lens: PMMA,

HK Firefly 5 in 1 Lens Holder

HK Firefly Single Lens-20°

HK Firefly Single Lens-40°

HK Firefly Single Lens-60°

Linear assembling unit

Linear assembling unit

assembling unit

washing Linear assembling unit

assembling unit

assembling unit

Wall HK Firefly 6 in 1-Wall washing Lens: PMMA.

Materials

Reflector: PC+Electroplating

Lens: PMMA.

Lens: PMMA,

Lens: PMMA.

washing | washing Linear assembling unit | Reflector: PC+Electroplating | development

Reflector: PC+Electroplating production

Reflector: PC+Electroplating | development

Reflector: PC+Electroplating development

Reflector: PC+Electroplating | development

Reflector: PC+Electroplating development

|Reflector: PC+Electroplating | development

Reflector: PC+Electroplating | development

Reflector: PC+Electroplating development

Status Samples

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FIREFLY SERIES

---- Office

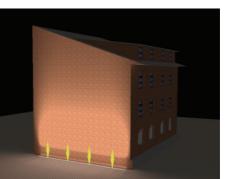


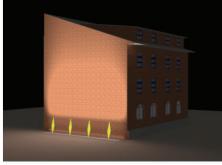


Spread the light gathering evenly on the tabletop

— Outdoor wall washing

Recommended application

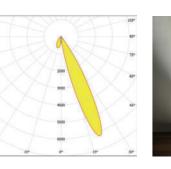




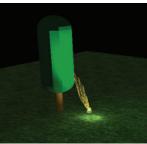
0.3M from the wall, tit 0

0.8M from the wall, tit 5

— Outdoor floodlight (with single asymmetric film)







FIREFLY SERIES |

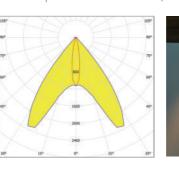
HIDDEN SERIES |

HIDDEN SERIES

HIDDEN SERIES |

Recommended application

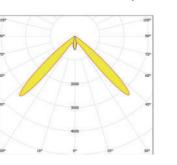
—— Supermarket Shelves (with double asymmetric film)

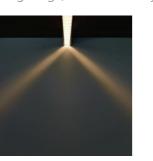






—— Indoor double asymmetric lighting (with double asymmetric film)

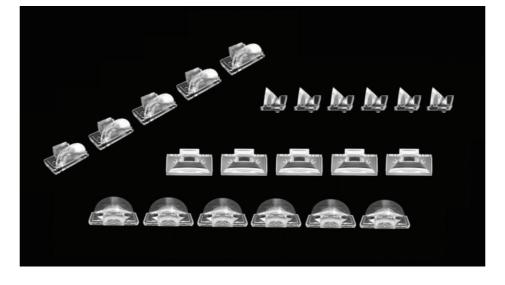




—— Office lighting, 20°+30° linear film



A lens that bends the light.



Development Background

What is indirect lighting? Indirect lighting, also known as reflected lighting, refers to the lighting effect in which lamps or light sources do not directly cast light on the object to be illuminated, but are reflected through walls, mirrors or floors.

But without exception, the optics of this type of lamps exist through traces of physical obstruction, either through the lamp body itself or the architectural structure.





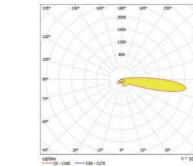
ing Middle Position Lighting Low Position Lighting

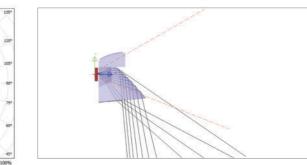
Is there a way to use direct lighting to approach or achieve the requirements for indirect lighting?

A lens that deflects most of the light energy so that the direction of light illumination is not in the same direction as the front direction of the LED should be able to solve the problems of illumination distance and glare.

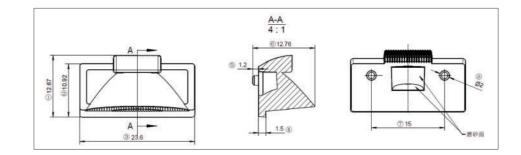
Design Concept

The design uses total reflection to deflect part of the light energy of the LED and emit it, so that the direction of most of the light energy deviates from the direction of the LED surface, thereby achieving indirect lighting.





Appearance



Assembly instructions



Recommended application — Washing the celling



Illumination effect of light strip without Paired with Herculux Starry Optical light distribution Platform-Hidden Series

—— Washing the wall

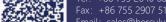
—— Washing the curtain



—— Washing the floor







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Website

We(

You