

 国家高新技术企业  
ISO9001:2015质量体系认证  
我们始于 **2006** 年



东莞市衡正光学科技有限公司

DONGGUAN HENGZHENG OPTOELECTRONICS CO.,LTD.

衡正光学 · 匠心缔造每一束光线

Hengzheng optoelectronics  
—Create every light

LED光学透镜

LENS CATLOG



## 企业简介 Company Profile

- 2006年成立于东莞虎门，注册规模为3000万元的高新技术公司，现拥有标准化厂房15000平方米。多年来专注于LED透镜事业，致力于二次光学透镜的研发、设计、生产和销售；公司拥有专业的、具有多年设计经验的光学设计师和模具技师；凝聚并培养了一批优秀的光学元器件注塑成型工艺人才，建立了专业、高效、团结的销售团队！拥有多台高精密进口模具加工设备、高精度的模具检测设备；购置了全系统的远方光学光电检测设备；拥有行业内最具专业、展示齐全的展厅；拥有多数量进口成型机台；拥有多个无尘成型车间及组装车间！
- 本公司产品涉及LED照明的各个领域，如景观照明、路灯照明、工业照明、舞台灯光、TV背光。红外监测辅助照明、车灯等其它领域；产品种类包括：LED PAR灯透镜、路灯透镜、COB透镜直下式透镜、红外透镜、车灯透镜以及其它光学镜片。
- LED照明技术飞速发展更新的过程中，衡正光学全体同仁坚持“诚信务实、创新致远”的经营理念，在拥有专业的光学设计和制造技术的背景为前提，使我们能够自主开发出符合各种光源、角度、光型及混光功能的透镜，如精准投射光形、蝠翼光形、特效混彩光效、广角度背投高均匀度配光光效等，以满足客户在LED照明领域中的不同需求！在企业发展健全进程中，衡正光学通过了ISO:9001质量管理体系认证，申请了多项国家专利技术，如路灯透镜、直下式TV透镜专利等；以多年建立的市场营销品牌，注册了“衡力光电”商标，更促进我们发展进步！
- 为客户提供全面的产品、提供系统的照明方案，提供完善的售后服务是我们的责任，为提供更好的光效，更高的效率衡正光学一直在努力.....







## 东莞市衡正光学科技有限公司

DONGGUAN HENGZHENG OPTOELECTRONICS CO., LTD.

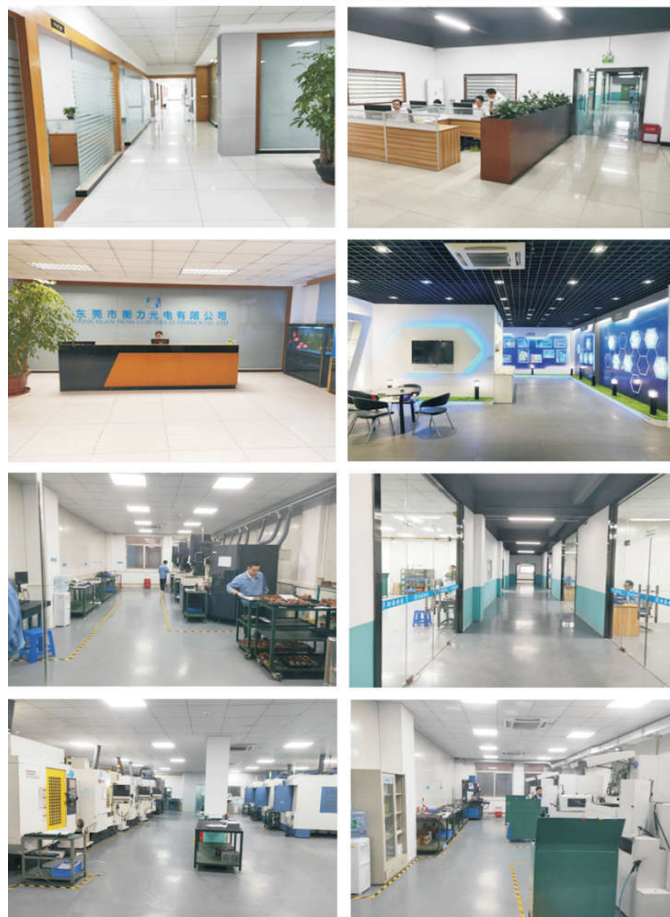
Dongguan Hengzheng optoelectric Co., Ltd , founded in 2006 with 30 million registered capital and with 15000m<sup>2</sup> standardized workshop, as the successor of Hengli Optoelectronics, founded in 2006, is a Hi-Tech company in design and manufacturing lenses for secondary optics. Not only do we have the professional and experienced team in optical design, mould exploitation and injection process, but we set up a high efficient and united marketing team. Presently years, the high-precise mould processing equipments have been imported from abroad, the full set equipment of optical measurement purchased from Everfine, and 2 workshops with 60 injection machines have been set up, all of them have been the solid basis of Hengzheng.

Our products can be widely applied in LED lighting Fields, such as indoor lighting, outdoor lighting, commercial lighting, stage lighting, TV backlight, and car lighting etc... Our products include LED PAR lens, streetlight lens, COB lens, Direct-light-type lens, infrared lens, vehicle lighting lens, linear light lens, Flood light lens, wall washer lens, etc...

With the rapid development of LED lighting technology, We always adhere to the business philosophy of "Be trusted and Never Stop Innovation", Recently years, on the background of owning the professional optical design and the manufacturing technology, that enable us develop various lens to meet different requirements for led chips and light patterns, such as accurate projection of light pattern, the bat-form light pattern, special effect with mixed light, etc... During the years of development and endeavor, we have verified ISO:9001 and applied many national patents, for instance for streetlight lens and Direct-light-type TV lens and so on, meanwhile we also gain the widely reputation from home and abroad marketing, and registered our brand "hengli" and we believe all of that will promote our development and progress.

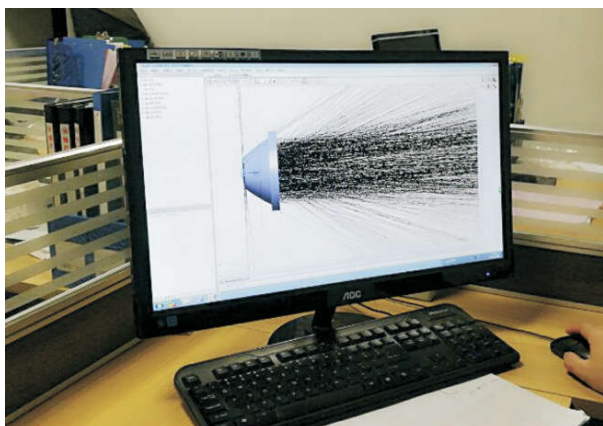
Providing the full range of optical products and the system lighting solution and the perfect after-sales service will always be our responsibility, To provide more efficiency and perfect lighting , we, Hengzheng, never stop our feet...

### 办公 & 车间环境



# 精准的控光技术

## Accurate Light Control Technique



光学设计  
Optic design



模具设计  
Mold design



远方卧式分布式光度计  
EVERFINE Horizontal distributed photometer



测试仪  
Test instrument

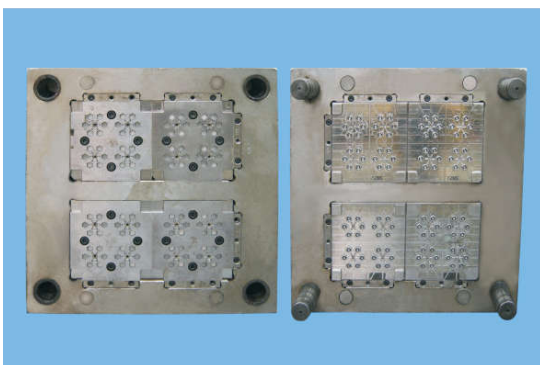


高精度检测设备  
High precision testing equipment





精湛的制造工艺  
Advanced Technique



# 19年专注·凝聚专业力量

FOCUS FOR NINETEEN YEARS · THE PROFESSIONAL SENSE OF COHESION

L/E/N/S





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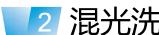
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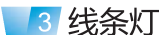
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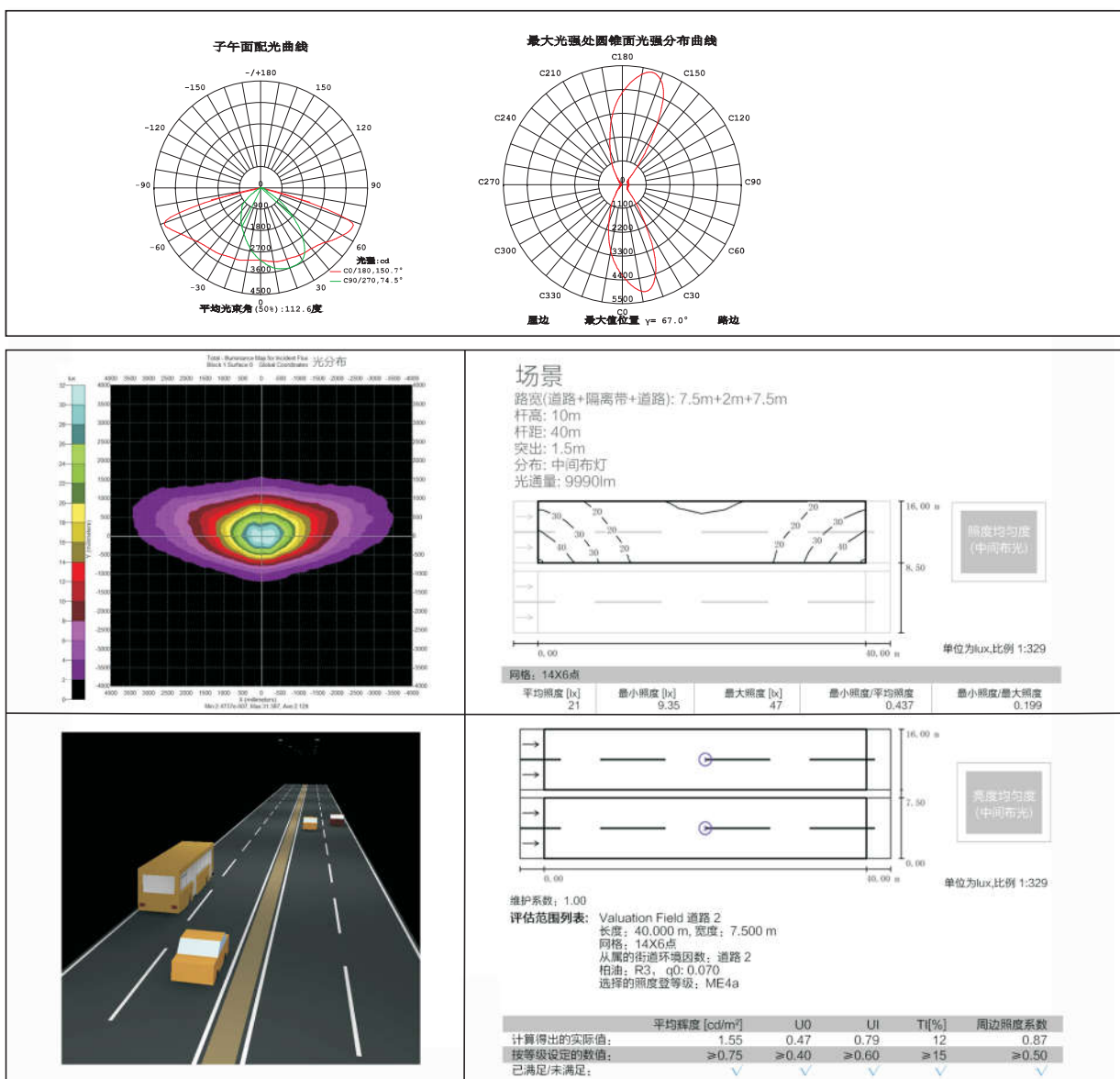
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## 道路、工业照明类透镜(Street and industry lighting lens)

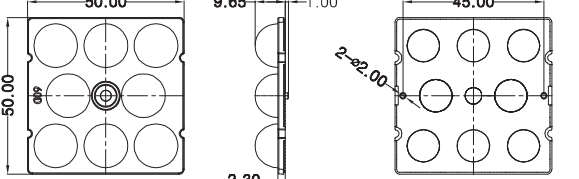
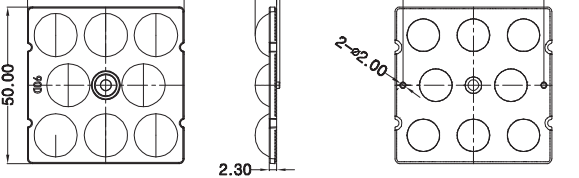
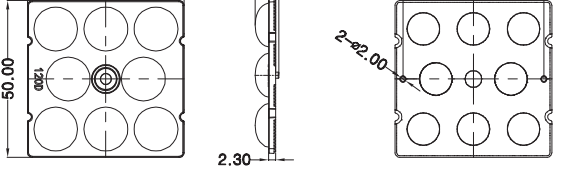
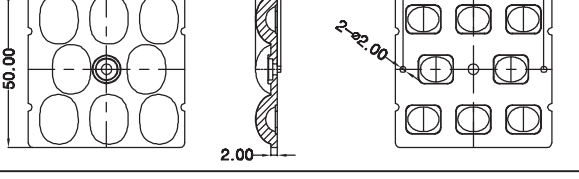
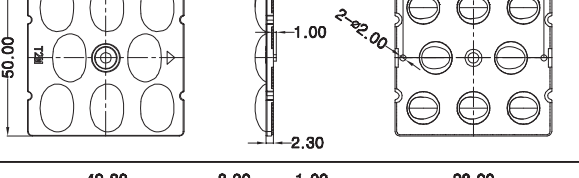
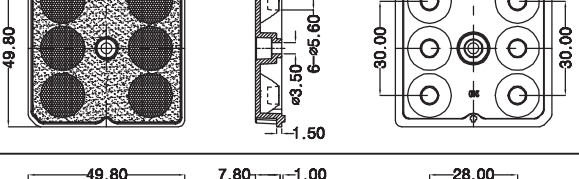
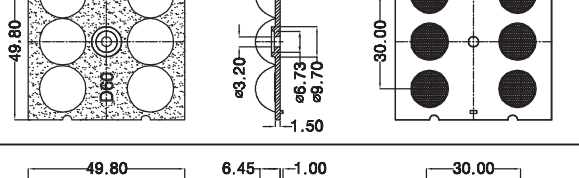
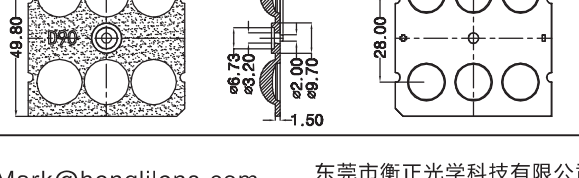
■ 随着LED产业的蓬勃发展，LED路灯的光效有着更清晰的定义，对不同路况及各种照明场景（如加油站、停车场、仓库等）的配光有着更为严格的标准。衡力光电应市场的需求，创造性地研制出兼顾“照度均匀性”和“亮度均匀性”的配光方式近十余种透镜，不但能满足北美路灯的照明标准，而且还很好地解决了国内各种场景的照明需求。

■ The luminous efficiency of LED streetlight is being clearly defined along with flourishing development of the LED industry. The light distribution for different road condition and lighting environment (such as gas station, parking lot and warehouse etc.) have more strictly criterion. HengLi have creatively developed almost 10 kinds of Lenses by balancing the uniformity of illumination intensity and luminance to meet the demand of market. They not only met the lighting criteria of North American but satisfied the illumination requirement for variety scenes in domestic.





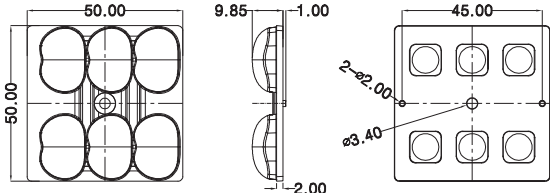
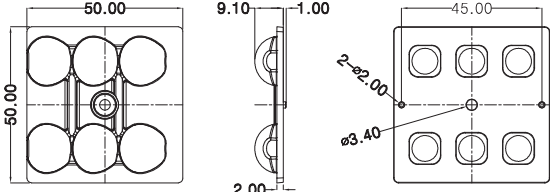
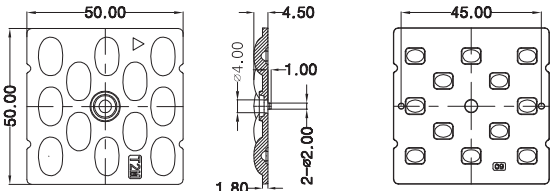
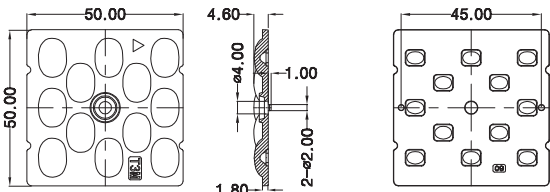
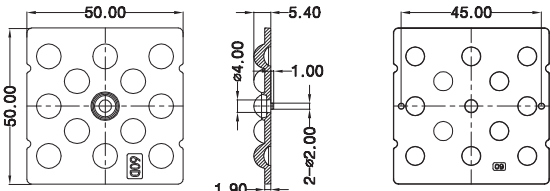
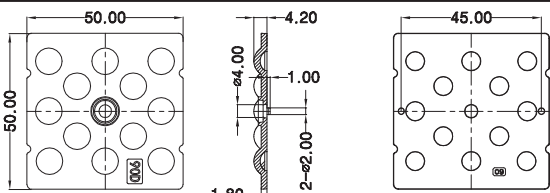
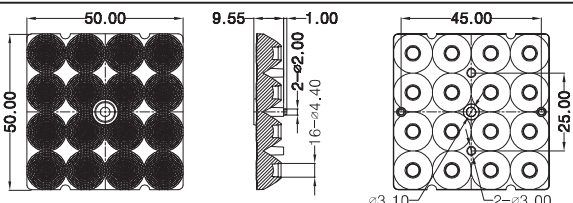
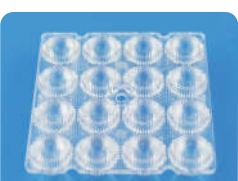
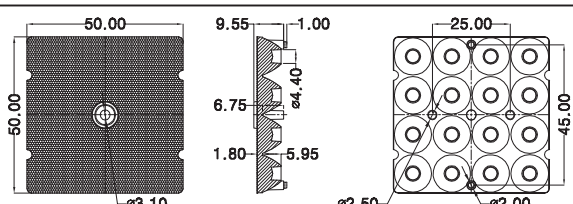
# 道路、工业照明类透镜(Street and industry lighting lens)

|                                                                                     |                                                                                                                               |                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-LD5050-60D</b><br/>Angle: 60°<br/>Dim.: L50*W50*H9.65mm<br/>LED Type: 4颗2835/5050<br/>Material: PC</p>     |    |
|    | <p><b>Item No.: HL-LD5050-90D</b><br/>Angle: 90°<br/>Dim.: L50*W50*H6.85mm<br/>LED Type: 4颗2835/5050<br/>Material: PC</p>     |    |
|    | <p><b>Item No.: HL-LD5050-120D</b><br/>Angle: 120°<br/>Dim.: L50*W50*H6.6mm<br/>LED Type: 4颗2835/5050<br/>Material: PC</p>    |    |
|  | <p><b>Item No.: HL-LD5050-80140D</b><br/>Angle: 85*140°<br/>Dim.: L50*W50*H7mm<br/>LED Type: 4颗2835/5050<br/>Material: PC</p> |  |
|  | <p><b>Item No.: HL-LD5050-T2M-2</b><br/>Angle: T2M<br/>Dim.: L50*W50*H5.8mm<br/>LED Type: 5050<br/>Material: PC</p>           |  |
|  | <p><b>Item No.: HL-LD2X3-30D</b><br/>Angle: 30°<br/>Dim.: L49.8*W49.8*H8.3mm<br/>LED Type: 5050<br/>Material: PC</p>          |  |
|  | <p><b>Item No.: HL-LD2X3-60D</b><br/>Angle: 60°<br/>Dim.: L49.8*W49.8*H7.8mm<br/>LED Type: 5050<br/>Material: PC</p>          |  |
|  | <p><b>Item No.: HL-LD2X3-90D</b><br/>Angle: 90°<br/>Dim.: L49.8*W49.8*H6.45mm<br/>LED Type: 5050<br/>Material: PC</p>         |  |

Street and industry lighting lens

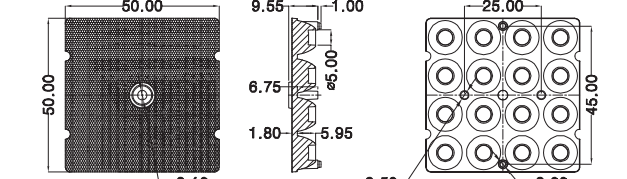
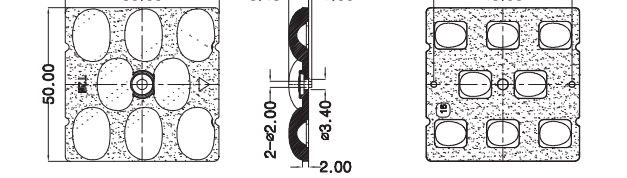
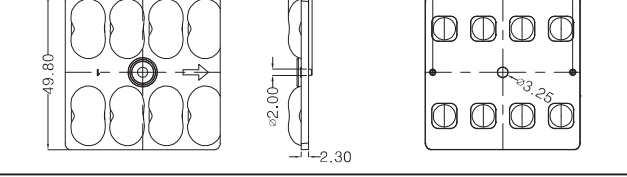
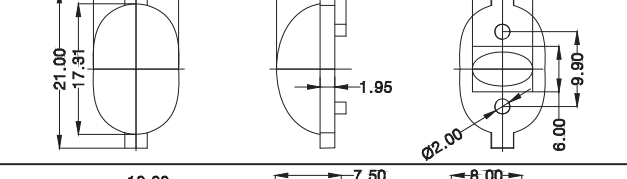
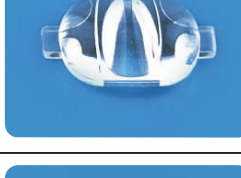
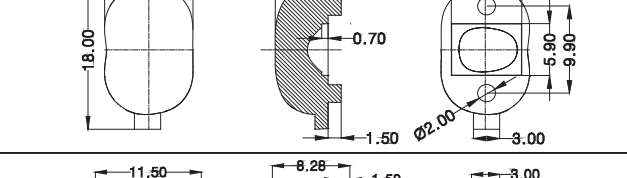
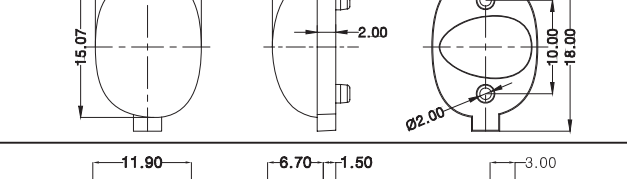
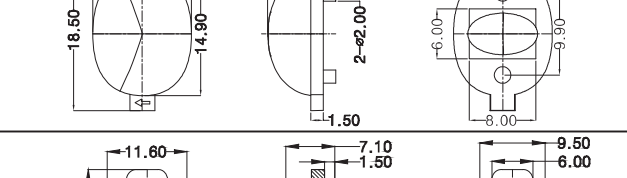
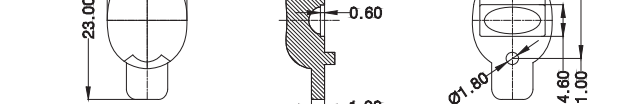
# 道路、工业照明类透镜(Street and industry lighting lens)

Street and industry lighting lens

|                                                                                     |                                                                                                                                                                             |                                                                                      |
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|    | <p><b>Item No.: HL-LD2X3-45140D</b><br/>           Angle: 45°140°<br/>           Dim.: L50*W50*H9.85mm<br/>           LED Type: 4颗2835/5050<br/>           Material: PC</p> |    |
|    | <p><b>Item No.: HL-LD2X3-55110D</b><br/>           Angle: 55°110°<br/>           Dim.: L50*W50*H9.1mm<br/>           LED Type: 4颗2835/5050<br/>           Material: PC</p>  |    |
|    | <p><b>Item No.: HL-LD1X12-T2M</b><br/>           Angle: TYPE 2类<br/>           Dim.: L50*W50*H4.5mm<br/>           LED Type: 3030<br/>           Material: PC</p>           |    |
|   | <p><b>Item No.: HL-LD1X12-T3M</b><br/>           Angle: TYPE 3类<br/>           Dim.: L50*W50*H4.6mm<br/>           LED Type: 3030<br/>           Material: PC</p>           |   |
|  | <p><b>Item No.: HL-LD1X12-60D</b><br/>           Angle: 60°<br/>           Dim.: L50*W50*H5.4mm<br/>           LED Type: 3030<br/>           Material: PC</p>               |  |
|  | <p><b>Item No.: HL-LD1X12-90D</b><br/>           Angle: 90°<br/>           Dim.: L50*W50*H4.2mm<br/>           LED Type: 3030<br/>           Material: PC</p>               |  |
|  | <p><b>Item No.: HL-16H1-20D</b><br/>           Angle: 20°<br/>           Dim.: L50*W50*H9.55mm<br/>           LED Type: 3030/3535<br/>           Material: PC</p>           |  |
|  | <p><b>Item No.: HL-16H1-30D-3030</b><br/>           Angle: 30°<br/>           Dim.: L50*W50*H9.55mm<br/>           LED Type: 3030/3535<br/>           Material: PC</p>      |  |



# 道路、工业照明类透镜(Street and industry lighting lens )

|                                                                                     |                                                                                                                            |                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-16H1-60D-3030</b><br/>Angle: 60°<br/>Dim.: L50*W50*H9.55mm<br/>LED Type: 3030/3535<br/>Material: PC</p> |    |
|    | <p><b>Item No.: HL-LD5050-T2M</b><br/>Angle: 85°155°<br/>Dim.: L50*W50*H6.45mm<br/>LED Type: 5050<br/>Material: PC</p>     |    |
|    | <p><b>Item No.: HL-LD5050-T3M</b><br/>Angle: 85°155°<br/>Dim.: L49.8*W49.8*H6.4mm<br/>LED Type: 5050<br/>Material: PC</p>  |    |
|  | <p><b>XP-E</b><br/><b>Item No.: HL-LD80</b><br/>Angle: 50°150°<br/>Dim.: L21*W11.6*H9.25mm<br/>Material: PMMA</p>          |  |
|  | <p><b>XP-E</b><br/><b>Item No.: HL-LD40</b><br/>Angle: 50°135°<br/>Dim.: L18*W10*H7.5mm<br/>Material: PMMA</p>             |  |
|  | <p><b>XP-E</b><br/><b>Item No.: HL-LD50-85135</b><br/>Angle: 40°135°<br/>Dim.: L18*W11.5*H8.28mm<br/>Material: PMMA</p>    |  |
|  | <p><b>XP-E</b><br/><b>Item No.: HL-LD90</b><br/>Angle: 60°145°<br/>Dim.: L18.5*W11.9*H6.7mm<br/>Material: PC</p>           |  |
|  | <p><b>XP-E</b><br/><b>Item No.: HL-LD70</b><br/>Angle: 90°135°<br/>Dim.: L23*W11.6*H7.1mm<br/>Material: PMMA</p>           |  |

Street and industry lighting lens

## 道路、工业照明类透镜 (Street and industry lighting lens)

LED: 4颗2835/5050 应用场景: 投光、工业照明。  
Application scene: Projection, industrial lighting.

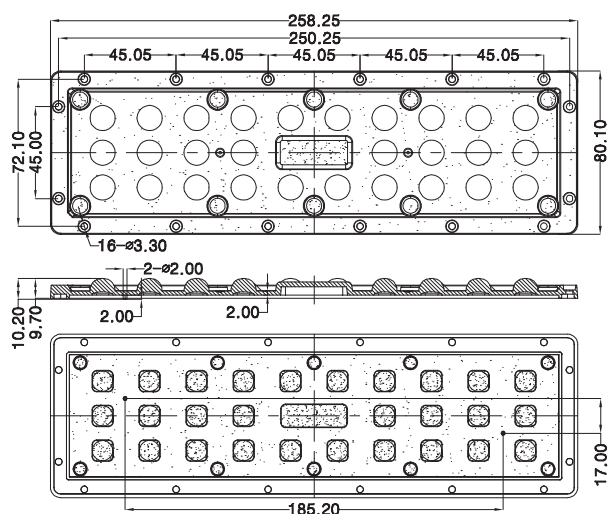


Item No.: HL-LD28-60D

Angle: 60°

Dim.: L258.25\*W80.1\*H10.2mm

Material: PC



LED: 4颗2835/5050 应用场景: 投光、工业照明。  
Application scene: Projection, industrial lighting.

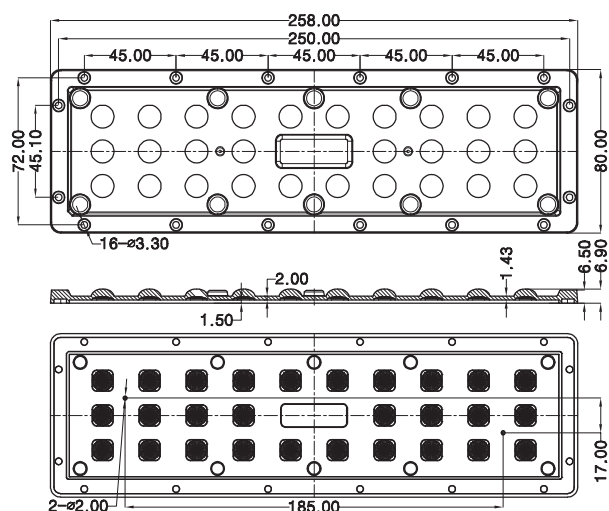


Item No.: HL-LD28-90D

Angle: 90°

Dim.: L258\*W80\*H6.9mm

Material: PC



LED: 3535 应用场景: 道路照明。  
Application scene: Road lighting.

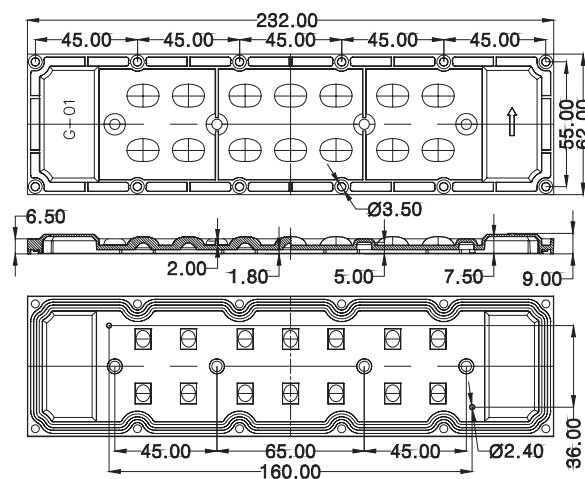


Item No.: HL-RL180G-01-K

Angle: 65X135°

Dim.: L232.00\*W62.00\*H9.00mm

Material: PC



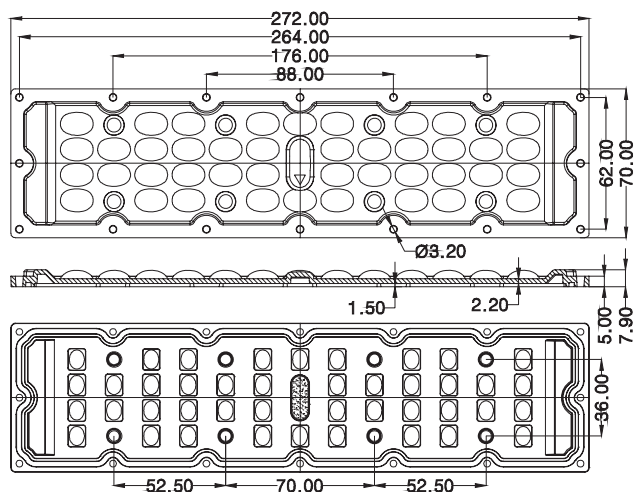
Street and industry lighting lens

## 道路、工业照明类透镜 (Street and industry lighting lens)

LED: 3030、3535      应用场景: 道路照明。  
Application scene: Road lighting.



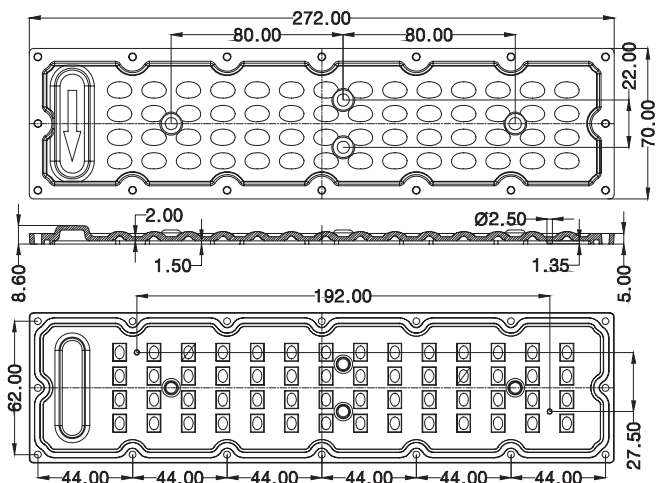
Item No.: HL-LD42EM70272  
Angle: 65X150°  
Dim.: L272.00\*W70.00\*H7.90mm  
Material: PC



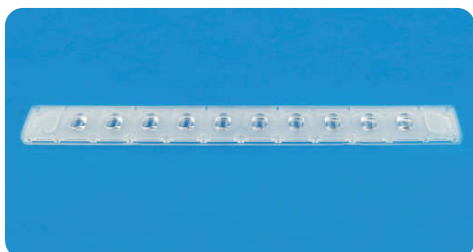
LED: 3030、3535      应用场景: 道路照明。  
Application scene: Road lighting.



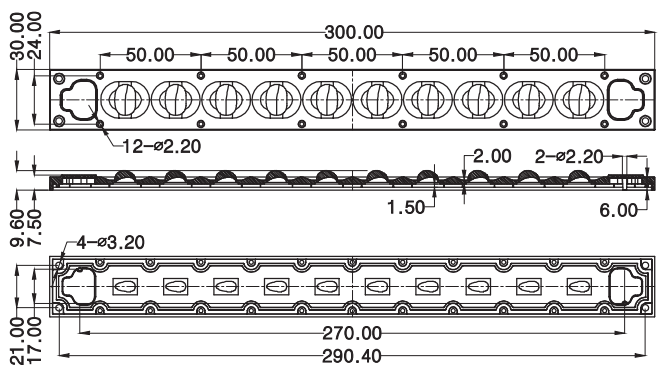
Item No.: HL-LD56W-3030  
Angle: 75X150°  
Dim.: L272.00\*W70.00\*H8.60mm  
Material: PC



LED: 3535      应用场景: 道路照明。  
Application scene: Road lighting.



Item No.: HL-LD1\*10-K2  
Angle: 45X145°  
Dim.: L300\*W30\*H9.6mm  
Material: PC



Street and industry lighting lens



## 道路、工业照明类透镜 (Street and industry lighting lens)

LED: 3535      应用场景: 道路照明。  
Application scene: Road lighting.

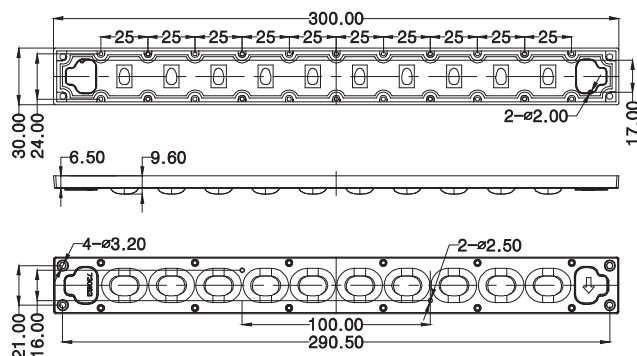


Item No.: HL-LD1\*10-K5

Angle: 70X155°

Dim.: L300\*W30\*H9.6mm

Material: PC



LED: XTE      应用场景: 道路照明。  
Application scene: Road lighting.

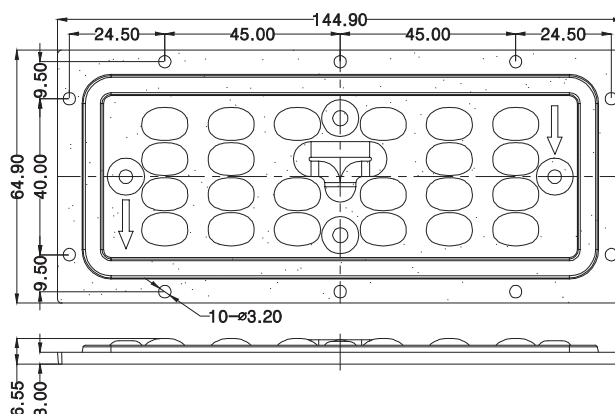


Item No.: HL-KK22W-K

Angle: 45X140°

Dim.: L144.9\*W64.9\*H6.55mm

Material: PC



LED: 3030      应用场景: 道路照明。  
Application scene: Road lighting.

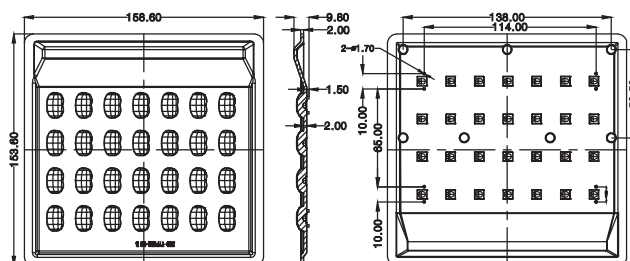


Item No.: HL-230-TYPE03-02B

Angle: 74X145°

Dim.: L158.6\*W153.6\*H9.8mm

Material: PC



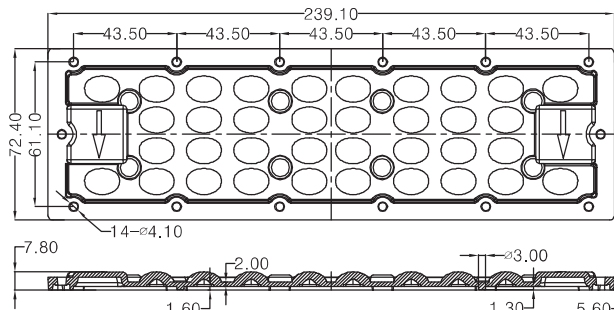


## 道路、工业照明类透镜 (Street and industry lighting lens)

LED: 3030      应用场景: 道路照明。  
Application scene: Road lighting.



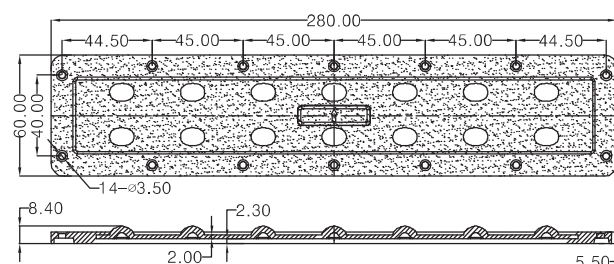
**Item No.: HL-MESLD36-K**  
Angle: 65X135°  
Dim.: L239.1\*W72.4\*H7.8mm  
Material: PC



LED: 3535      应用场景: 道路照明。  
Application scene: Road lighting.



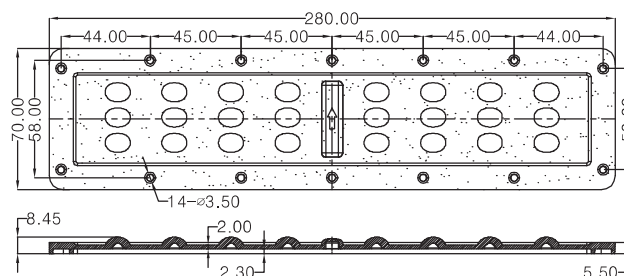
**Item No.: HL-HHE2\*7-K**  
Angle: 55X160°  
Dim.: L280\*W60\*H8.4mm  
Material: PC



LED: 3535      应用场景: 道路照明。  
Application scene: Road lighting.



**Item No.: HL-HHE3\*8-K**  
Angle: 65X145°  
Dim.: L280\*W70\*H8.45mm  
Material: PC

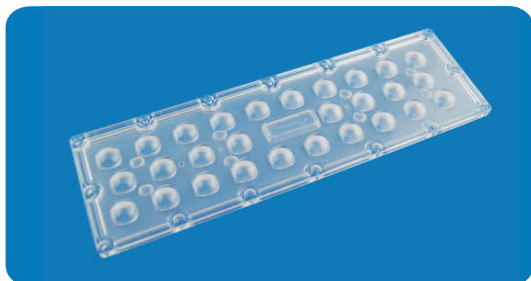




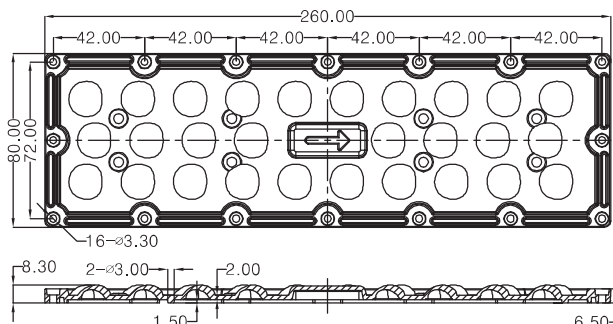


## 道路、工业照明类透镜 (Street and industry lighting lens)

LED: 5050      应用场景: 道路照明。  
Application scene: Road lighting.



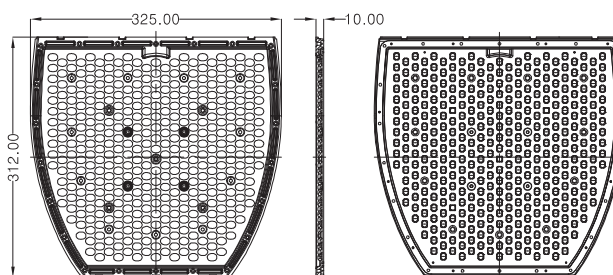
**Item No.: HL-260x80-90135D**  
Angle: 90X135°  
Dim.: L260\*W80\*H8.3mm  
Material: PC



LED: 3030      应用场景: 道路照明。  
Application scene: Road lighting.



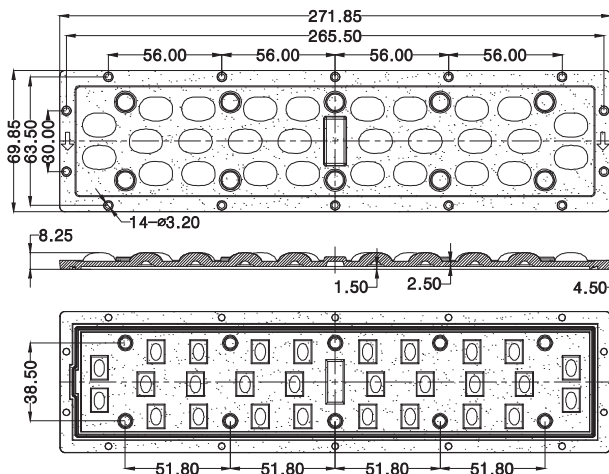
**Item No.: HL-SD384W-K**  
Angle: 75X140°  
Dim.: L325\*W312\*H10mm  
Material: PC



LED: 5050      应用场景: 道路照明。  
Application scene: Road lighting.

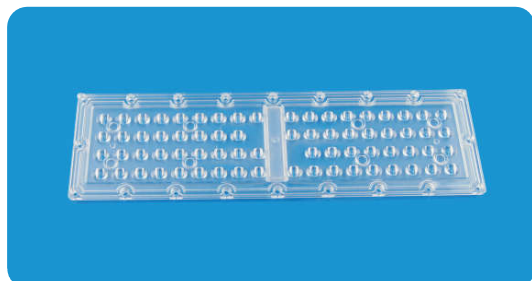


**Item No.: HL-HB5050-K**  
Angle: 75X150°  
Dim.: L271.85\*W69.85\*H8.25mm  
Material: PC

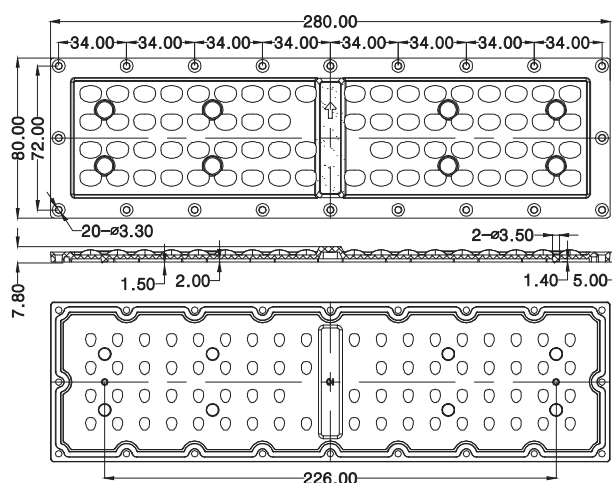


## 道路、工业照明类透镜 (Street and industry lighting lens)

LED: 3030      应用场景: 道路照明。  
Application scene: Road lighting.



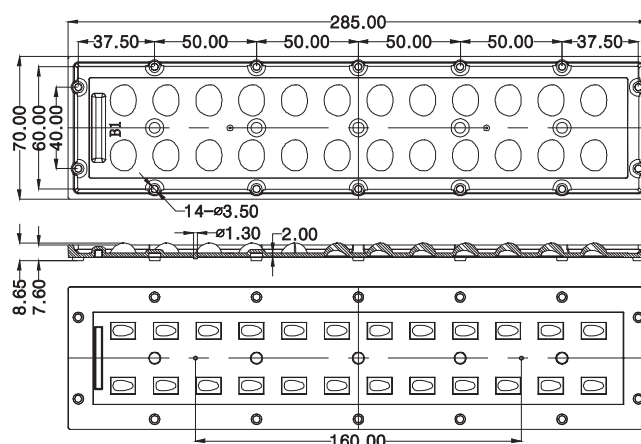
Item No.: HL-280x80-70145D  
Angle: 70X145°  
Dim.: L280\*W80\*H7.8mm  
Material: PC



LED: 3030      应用场景: 道路照明。  
Application scene: Road lighting.



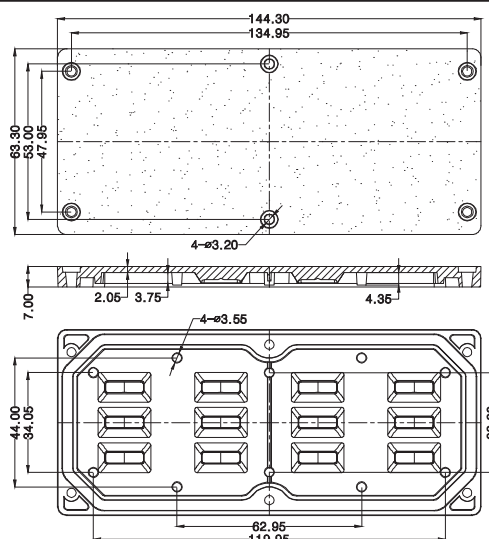
Item No.: HL-24H1-70135  
Angle: 70X135°  
Dim.: L285\*W70\*H8.65mm  
Material: PC



LED: 3030      应用场景: 仓储、投光照明。  
Application scene: Warehouse, projection lighting.



Item No.: HL-HC90120-K  
Angle: 90X120°  
Dim.: L144.3\*W63.3\*H7mm  
Material: PC



## 道路、工业照明类透镜 (Street and industry lighting lens)

LED: 4颗2835/5050      应用场景: 道路照明。  
Application scene: Road lighting.

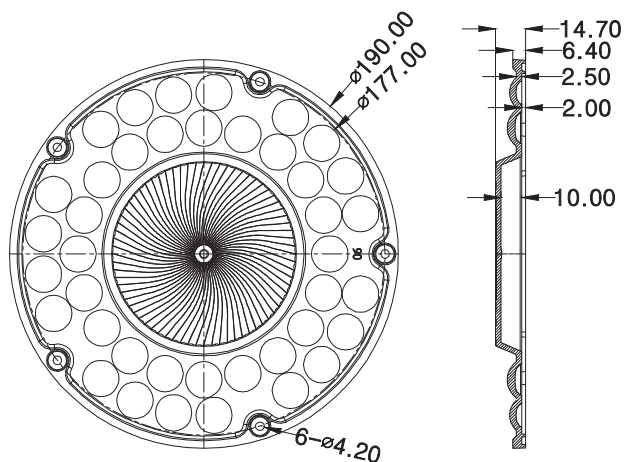


**Item No.: HL-TP190-90D**

Angle: 90°

Dim.: Ø190\*H14.7mm

Material: PC



LED: 3030      应用场景: 工业照明。  
Application scene: Industrial lighting.

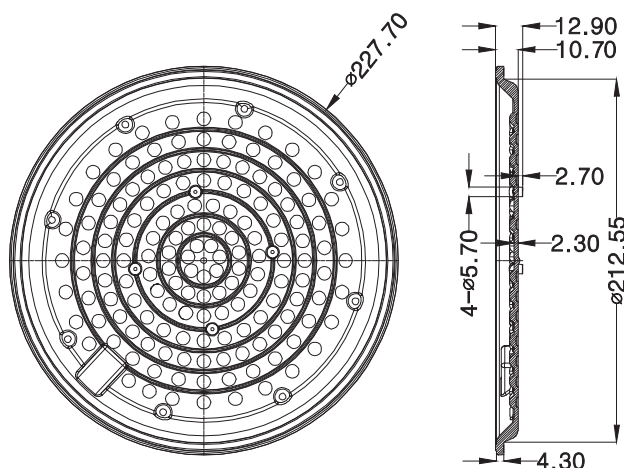


**Item No.: HL-ZT3060-K**

Angle: 60°

Dim.: Ø227.7\*H12.9mm

Material: PC



LED: 3030      应用场景: 工业照明。  
Application scene: Industrial lighting.

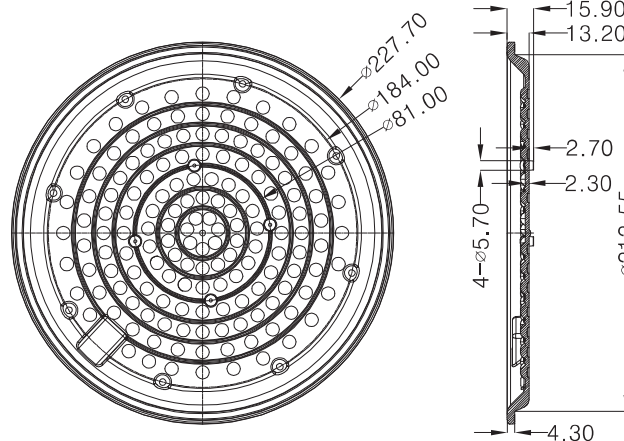


**Item No.: HL-ZT3090-K**

Angle: 90°

Dim.: Ø227.7\*H15.9mm

Material: PC

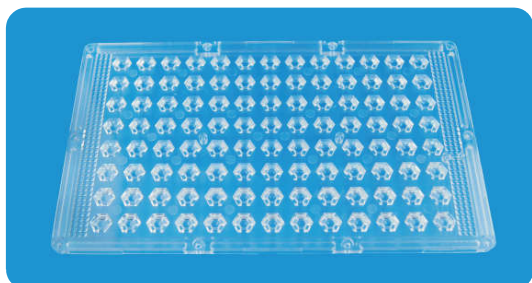


Street and industry lighting lens

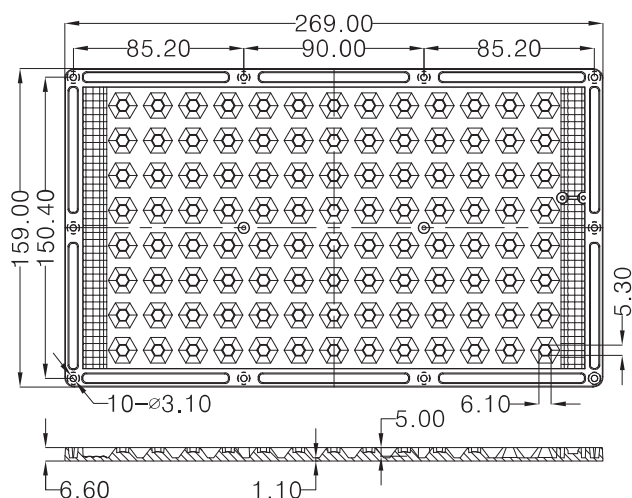


## 道路、工业照明类透镜 (Street and industry lighting lens)

LED: 2835      应用场景: 工业照明。  
Application scene: Industrial lighting.



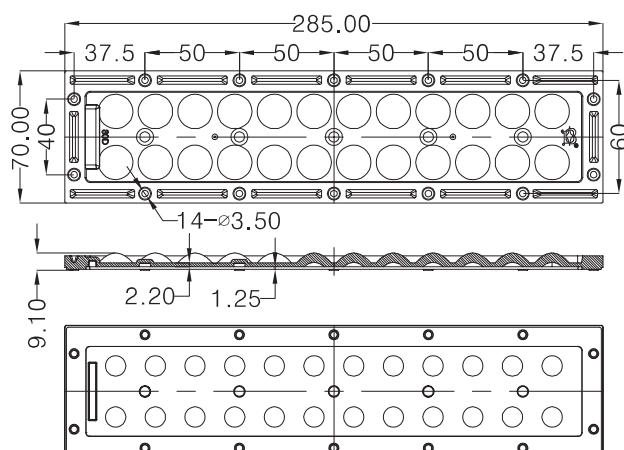
**Item No.: HL-HY90D-2835-K**  
Angle: 90°  
Dim.: L269\*W159\*H6.6mm  
Material: PC



LED: 3030      应用场景: 工业照明。  
Application scene: Industrial lighting.



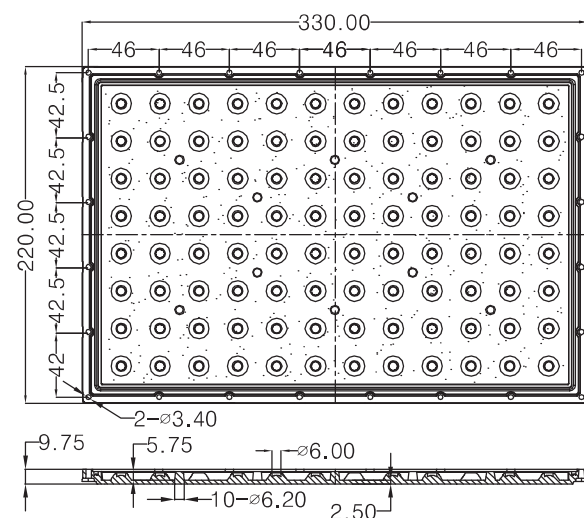
**Item No.: HL-24H1-80D**  
Angle: 80°  
Dim.: L285\*W70\*H9.1mm  
Material: PC



LED: 5050      应用场景: 加油站照明。  
Application scene: Gas station lighting.

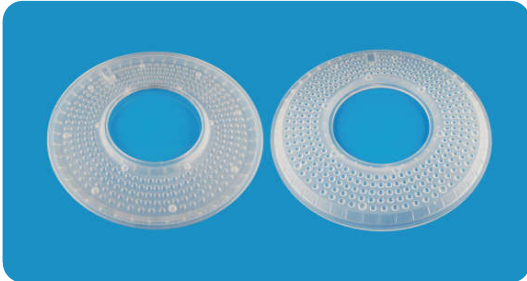


**Item No.: HL-LS5050-30D-K**  
Angle: 30°  
Dim.: L330\*W220\*H9.75mm  
Material: PC

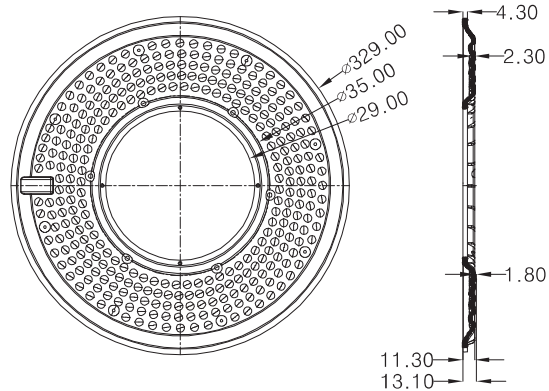


## 道路、工业照明类透镜 (Street and industry lighting lens)

LED: 3030      应用场景: 工业照明。  
Application scene: Industrial lighting.



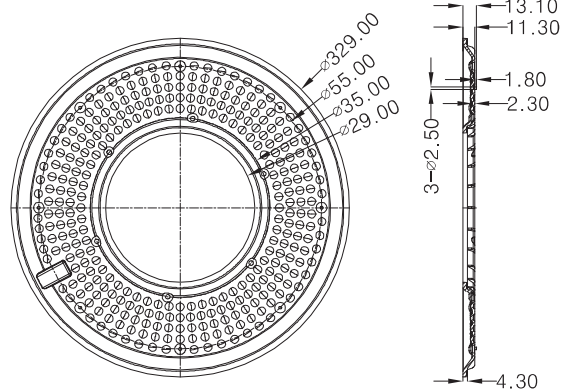
**Item No.: HL-ZT60D-K**  
Angle: 60°  
Dim.: Ø329\*H13.1mm  
Material: PC



LED: 3030      应用场景: 工业照明。  
Application scene: Industrial lighting.



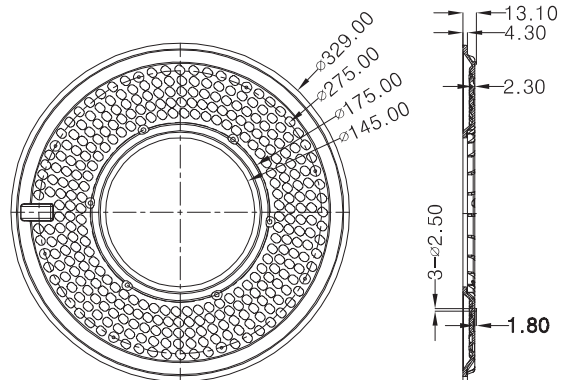
**Item No.: HL-ZT90D-K**  
Angle: 90°  
Dim.: Ø329\*H13.1mm  
Material: PC



LED: 3030      应用场景: 工业照明。  
Application scene: Industrial lighting.

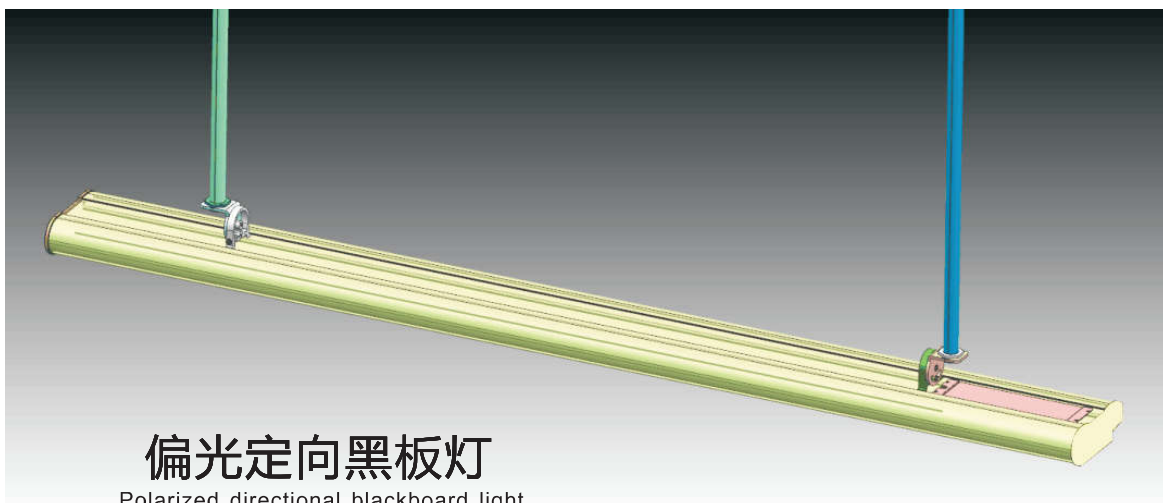


**Item No.: HL-ZT6090D-K**  
Angle: 60X90°  
Dim.: Ø329\*H13.1mm  
Material: PC



Street and industry lighting lens

# 教育照明透镜(School education lighting lens)

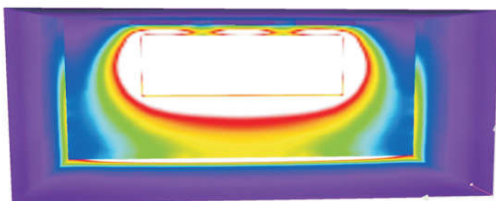


**偏光定向黑板灯**

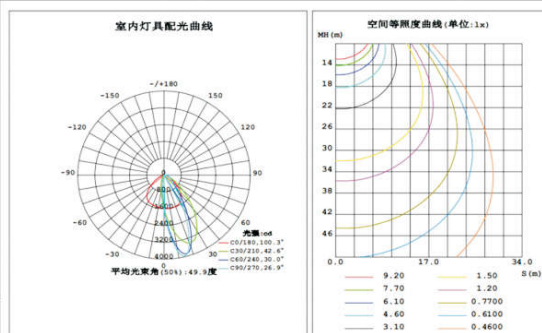
Polarized directional blackboard light

## 实测导入模拟得出数值 Measured the simulated values

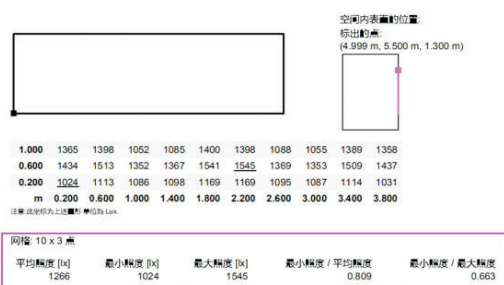
### 光斑模拟图



### 产品实测配光图



### 测试后导入模拟图



单灯测试模拟已达到0.8的均匀度, 实际装灯2-3条, 均匀度更高!

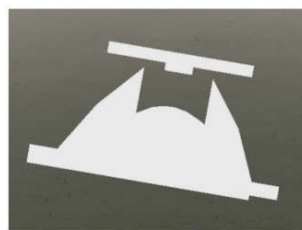
## 产品组装截面图

Product Assembly Cross Section Picture

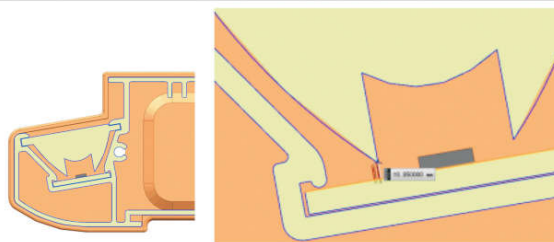
东莞市衡正光电有限公司  
DONGGUAN HENGZHENG OPTOELECTRONICS CO., LTD.

WWW.HENGLILENS.COM

### 装配



透镜及PCB板整体向黑板方向偏转10度角, 灯珠中心在透镜底部开孔中心, 透镜底部开孔平面与LED出光面平齐。



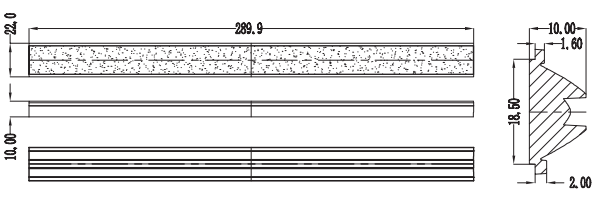
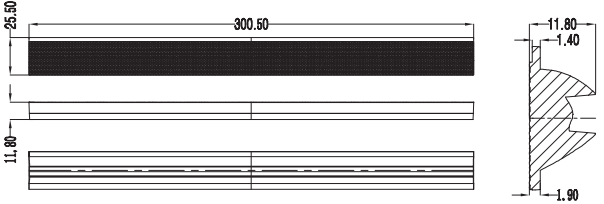
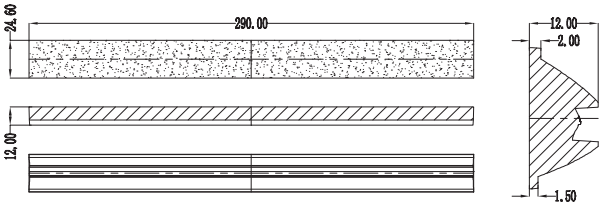
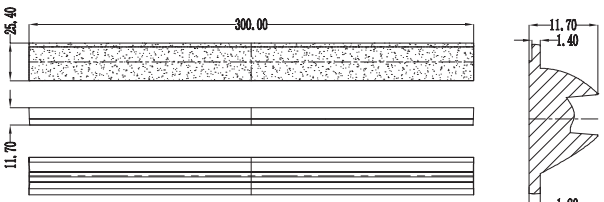
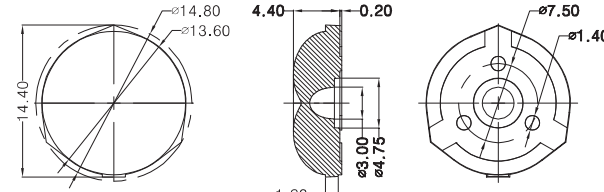
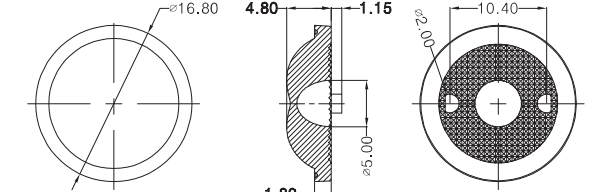
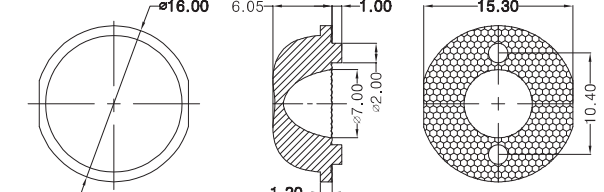
透镜最底面与铝基板距离为0.8mm

## 产品现场图 Product Site Scene





# 教育照明透镜(School education lighting lens)

|                                                                                     |                                                                                                                                                                                                                                   |                                                                                      |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-HB0520</b><br/>           均匀度 Uniformity: 0.85<br/>           Surface: Frosting/雾面<br/>           Dim.: L289.9*W22*H10mm<br/>           LED Type: 2835<br/>           Material: PMMA</p>                       |    |
|    | <p><b>Item No.: HL-LTH2835-04-KC</b><br/>           均匀度 Uniformity: 0.8<br/>           Surface: Beaded/珠面<br/>           Dim.: L300.5*W25.5*H11.8mm<br/>           LED Type: 2835<br/>           Material: PMMA</p>               |    |
|   | <p><b>Item No.: HL-HBD2835-2</b><br/>           均匀度 Uniformity: 0.86<br/>           Surface: Frosting/雾面<br/>           Dim.: L290*W24.6*H12mm<br/>           LED Type: 2835<br/>           Material: PMMA</p>                    |   |
|  | <p><b>Item No.: HL-LTH2835-04-X-K</b><br/>           均匀度 Uniformity: 0.8<br/>           Surface: Frosting/雾面<br/>           Dim.: L300*W25.4*H11.7mm<br/>           LED Type: 2835<br/>           Material: PC</p>                |  |
|  | <p><b>Item No.: HL-OD20-2835</b><br/>           Angle: 165°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø13.6*H4.4mm<br/>           LED Type: 2835/3030<br/>           Material: PMMA</p>                            |  |
|  | <p><b>Item No.: HL-BG17160</b><br/>           Angle: 160°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø16.8*H4.8mm<br/>           LED Type: 2835/3030<br/>           Material: PMMA</p>                              |  |
|  | <p><b>Item No.: HL-MB15140-2N</b><br/>           Angle: 140°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø16.00*H6.05mm<br/>           LED Type: XPE/XBD/2835/<br/>           3030<br/>           Material: PMMA</p> |  |

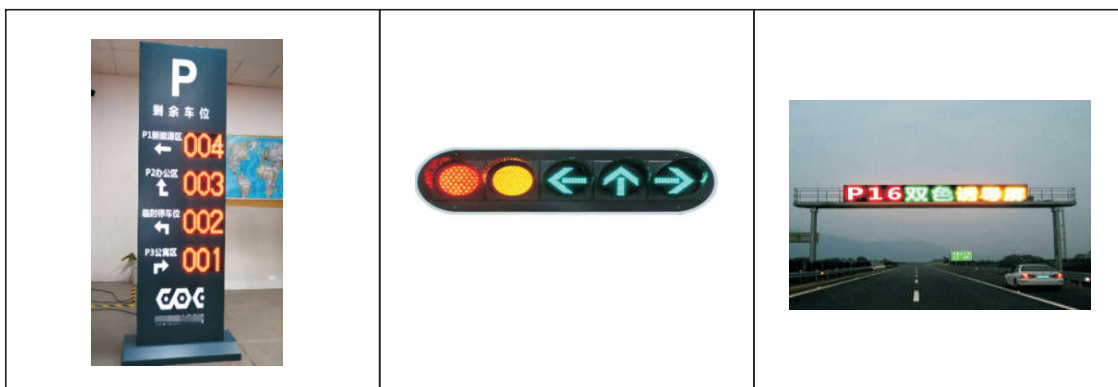
## 安防、交通显示类透镜 (Security and traffic display lighting lens)



应用实例  
Application instance

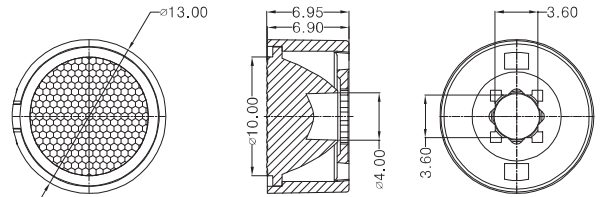
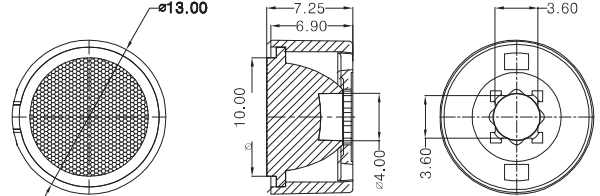
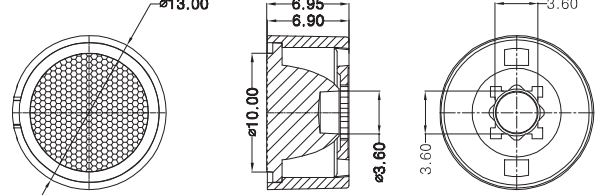
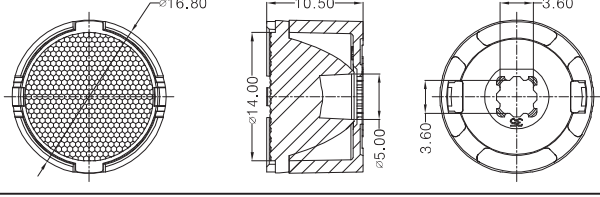
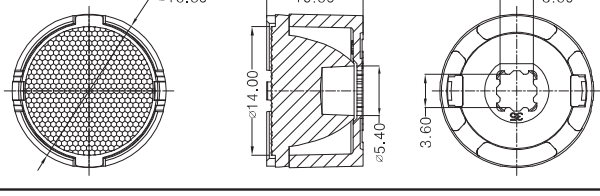


安防摄像设备 Security camera equipment



交通信息显示 Traffic information display equipment

# 安防、交通显示类透镜 (Security and traffic display lighting lens)

|                                                                                     |                                                                                                                                                 |                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-XP0130L-S</b><br/>Angle: 30°<br/>Surface: Beaded/珠面<br/>Dim.: Ø13*H6.95mm<br/>LED Type: OSRAW<br/>Material: PMMA+PC</p>      |    |
|    | <p><b>Item No.: HL-XP0160L-S2</b><br/>Angle: 45°<br/>Surface: Beaded/珠面<br/>Dim.: Ø13*H7.25mm<br/>LED Type: OSRAW<br/>Material: PMMA+PC</p>     |    |
|    | <p><b>Item No.: HL-XP0190L-S</b><br/>Angle: 60°<br/>Surface: Beaded/珠面<br/>Dim.: Ø13*H6.95mm<br/>LED Type: OSRAW<br/>Material: PMMA+PC</p>      |    |
|   | <p><b>Item No.: HL-XP0140L-1509</b><br/>Angle: 40°<br/>Surface: Beaded/珠面<br/>Dim.: Ø16.8*H10.5mm<br/>LED Type: OSRAW<br/>Material: PMMA+PC</p> |   |
|  | <p><b>Item No.: XP0160L-1509</b><br/>Angle: 60°<br/>Surface: Beaded/珠面<br/>Dim.: Ø16.8*H10.5mm<br/>LED Type: OSRAW<br/>Material: PMMA+PC</p>    |  |
|  | <p>LED Type: 3535RGB<br/>Material: PC<br/><b>光学: 专业定制设计</b><br/>Optics: Professional customized design</p>                                      |  |
|  | <p>LED Type: 3535RGB<br/>Material: PC<br/><b>光学: 专业定制设计</b><br/>Optics: Professional customized design</p>                                      |  |
|  | <p>LED Type: 3535RGB<br/>Material: PC<br/><b>光学: 专业定制设计</b><br/>Optics: Professional customized design</p>                                      |  |



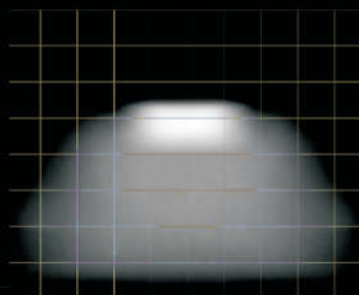
## 车载光学透镜(Car lighting lens)



### 光线模拟图

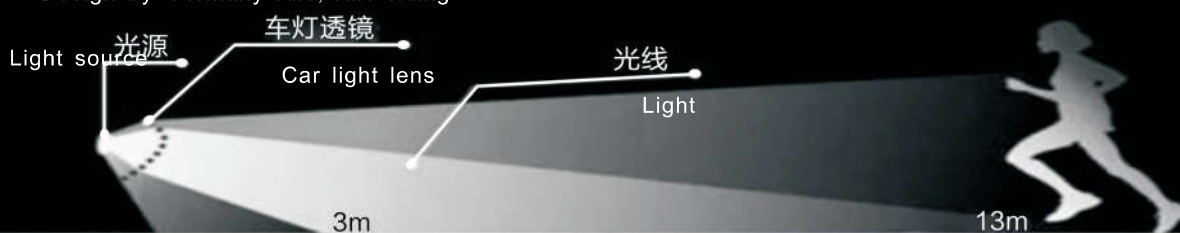
Light simulation diagram  
按照汽车灯近光设计，避免直射人眼。

Designed by the car low beam, avoid direct in the human eye.



### 德规设计，安全骑行

Design by Germany rule, safe riding

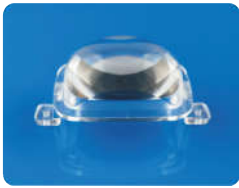
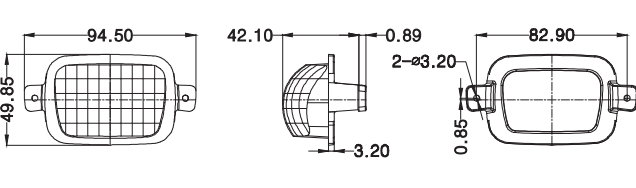
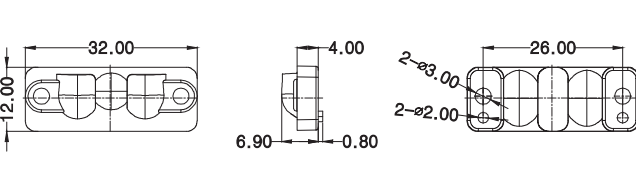
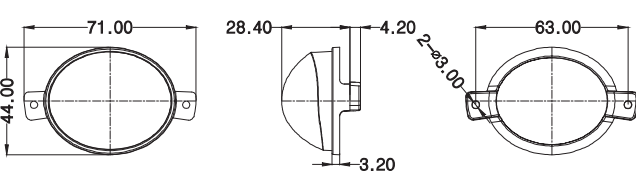
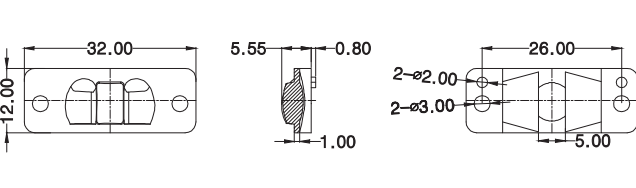
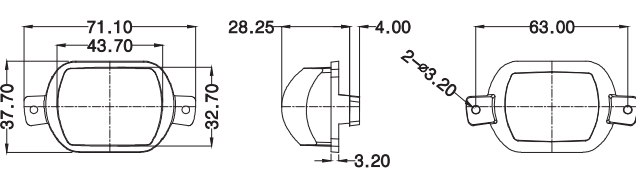
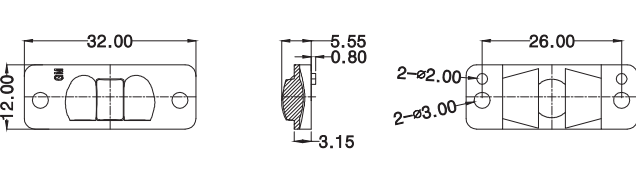
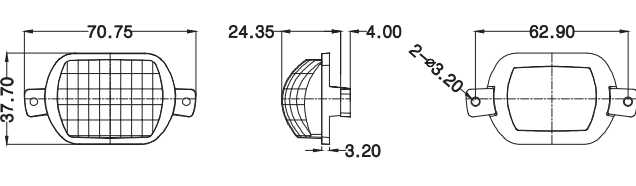


### 应用场景

### Application scenario



## 车载光学透镜(Car lighting lens)

|                                                                                      |                                                                                                                |                                                                                      |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|     | <p><b>Item No.: HL-CT5095-B</b><br/>Surface: Mirrored/镜面<br/>Dim.: L94.5*W49.85*H10.8mm<br/>Material: PMMA</p> |    |
|     | <p><b>Item No.: HL-HY-S</b><br/>Surface: Mirrored/镜面<br/>Dim.: L32*W12*H6.9mm<br/>Material: PC</p>             |    |
|     | <p><b>Item No.: HL-CD-Y</b><br/>Surface: Mirrored/镜面<br/>Dim.: L71*W44*H28.4mm<br/>Material: PMMA</p>          |    |
|    | <p><b>Item No.: HL-JGD-A</b><br/>Surface: Mirrored/镜面<br/>Dim.: L32*W12*H5.55mm<br/>Material: PC</p>           |   |
|   | <p><b>Item No.: HL-YDG-B</b><br/>Surface: Mirrored/镜面<br/>Dim.: L71.1*W37.7*H28.25mm<br/>Material: PMMA</p>    |  |
|   | <p><b>Item No.: HL-JGD-GM</b><br/>Surface: Mirrored/镜面<br/>Dim.: L32*W12*H5.55mm<br/>Material: PC</p>          |  |
|   | <p><b>Item No.: HL-CD6-Y</b><br/>Surface: Mirrored/镜面<br/>Dim.: L70.75*W37.7*H24.35mm<br/>Material: PC</p>     |  |
|  |                                                                                                                |                                                                                      |

Car lighting lens

## 移动照明类透镜(Mobile lighting lens)

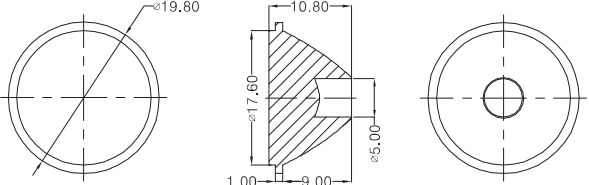
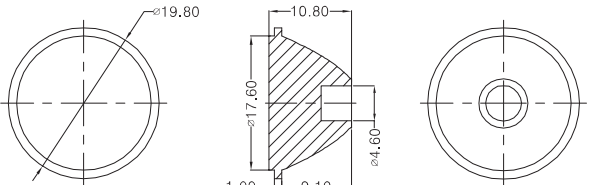
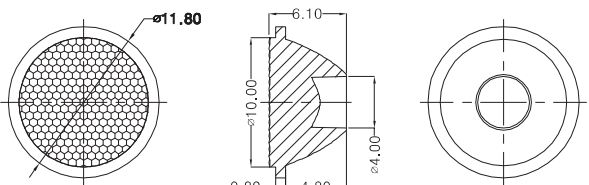
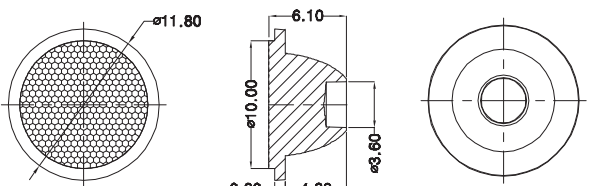
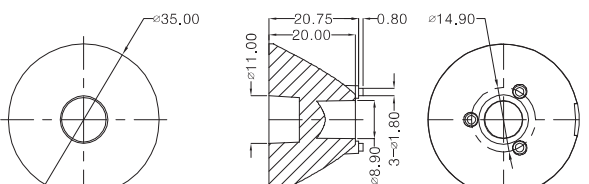
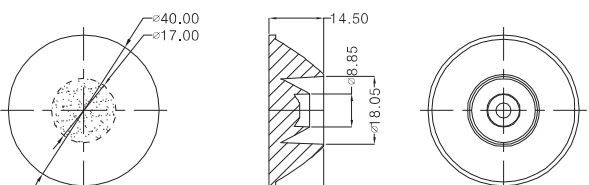
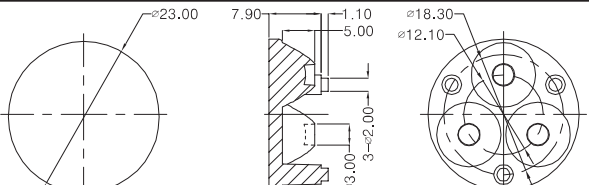
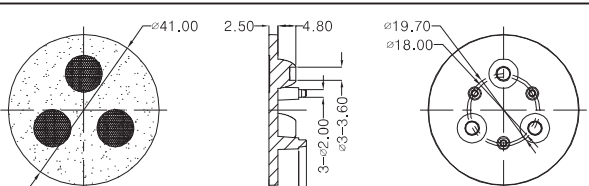


应用实例  
Application instance



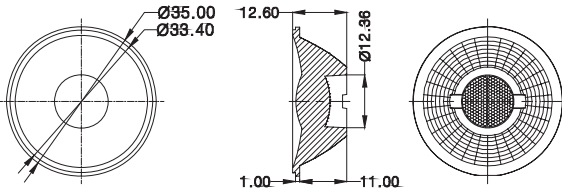
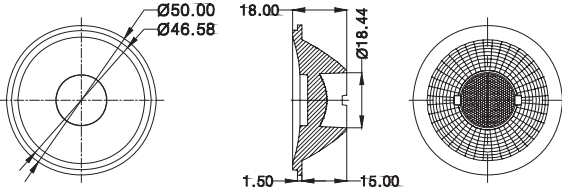
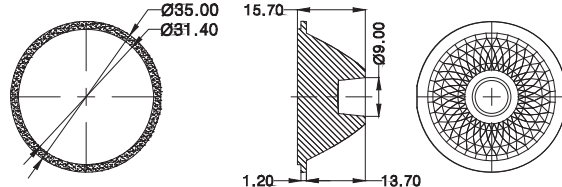
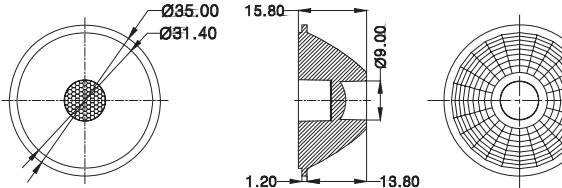
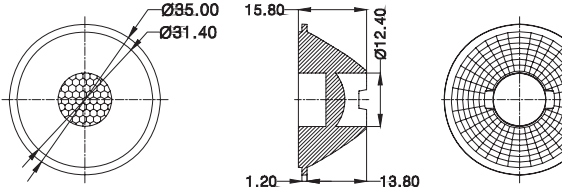
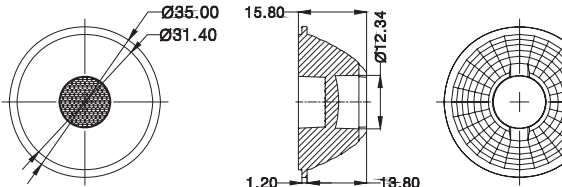
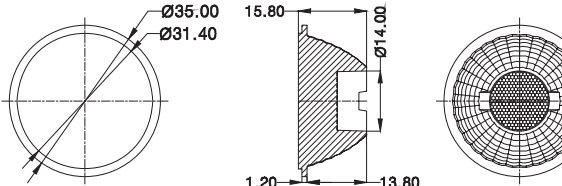
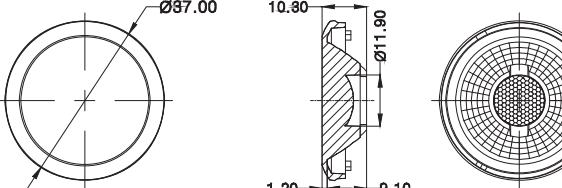


## 移动照明类透镜(Mobile lighting lens)

|                                                                                     |                                                                                                                                                                                                 |                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-XP0108P</b><br/>           Angle: 8°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø19.8*H10.8mm<br/>           LED Type: 3535<br/>           Material: PMMA</p>  |    |
|    | <p><b>Item No.: HL-XP0115P</b><br/>           Angle: 15°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø19.8*H10.8mm<br/>           LED Type: 3535<br/>           Material: PMMA</p> |    |
|    | <p><b>Item No.: HL-XP0130L-S</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø11.8*H6.1mm<br/>           LED Type: 3535<br/>           Material: PMMA</p>  |    |
|   | <p><b>Item No.: HL-XP0190L-S</b><br/>           Angle: 60°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø11.8*H6.1mm<br/>           LED Type: 3535<br/>           Material: PMMA</p>  |   |
|  | <p><b>Item No.: HL-P3G-P7</b><br/>           Angle: 3°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø35*H20.75mm<br/>           LED Type: 3535<br/>           Material: PMMA</p>    |  |
|  | <p><b>Item No.: HL-TX02-4316</b><br/>           Angle: 3°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø40*H14.5mm<br/>           LED Type: 3535<br/>           Material: PMMA</p>  |  |
|  | <p><b>Item No.: HL-EA323P-15D</b><br/>           Angle: 15°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø23*H7.9mm<br/>           LED Type: 3535<br/>           Material: PMMA</p> |  |
|  | <p><b>Item No.: HL-YA03-90L-K</b><br/>           Angle: 90°<br/>           Surface: Frosting/雾面<br/>           Dim.: Ø41*H8.1mm<br/>           LED Type: 3535<br/>           Material: PC</p>   |  |



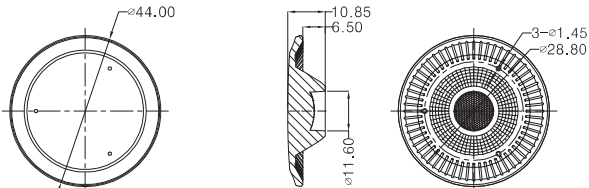
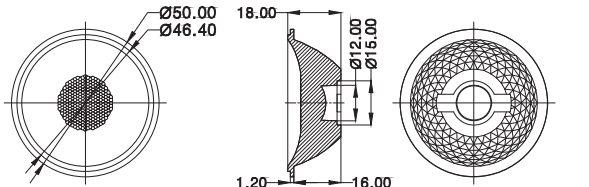
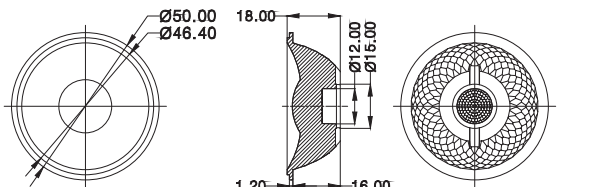
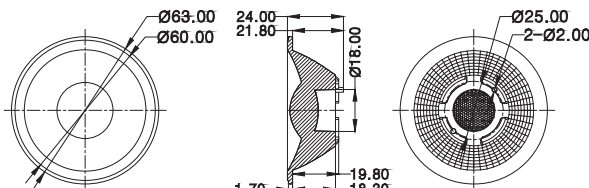
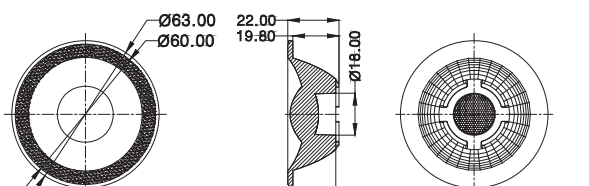
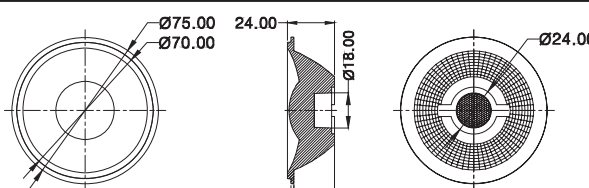
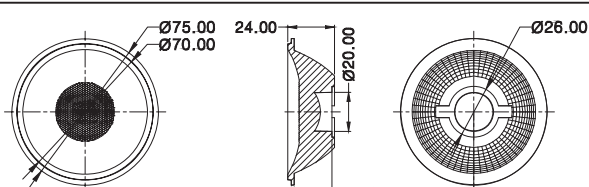
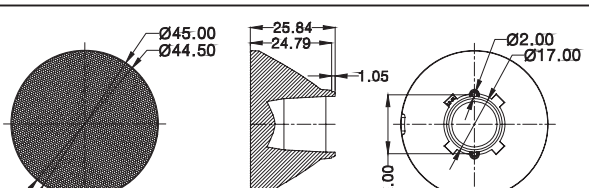
## 商照灯具透镜 (Business lighting lens)

|                                                                                     |                                                                                                                                                                                                         |                                                                                      |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-NI0136G-3512</b><br/>           Angle: 36°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø35*H12.6mm<br/>           LED Type: 2835/3030<br/>           Material: PMMA</p> |    |
|    | <p><b>Item No.: HL-NI0136G-5016</b><br/>           Angle: 36°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø50*H18mm<br/>           LED Type: 2835/3030<br/>           Material: PMMA</p>   |    |
|    | <p><b>Item No.: HL-CR0115G-3516</b><br/>           Angle: 15°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø35*H15.7mm<br/>           LED Type: CREE-1304<br/>           Material: PMMA</p> |    |
|   | <p><b>Item No.: HL-MTG0125G-3516-2</b><br/>           Angle: 25°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø35*H15.8mm<br/>           LED Type: COB<br/>           Material: PMMA</p>    |   |
|  | <p><b>Item No.: HL-CT0125G-3516</b><br/>           Angle: 25°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø35*H15.8mm<br/>           LED Type: COB<br/>           Material: PMMA</p>       |  |
|  | <p><b>Item No.: HL-CT0138G-3516</b><br/>           Angle: 38°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø35*H15.8mm<br/>           LED Type: COB<br/>           Material: PMMA</p>       |  |
|  | <p><b>Item No.: HL-CT0160G-3516</b><br/>           Angle: 60°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø35*H15.8mm<br/>           LED Type: COB<br/>           Material: PMMA</p>       |  |
|  | <p><b>Item No.: HL-CT0138G-37</b><br/>           Angle: 38°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø37*H10.3mm<br/>           LED Type: COB<br/>           Material: PMMA</p>         |  |

Business lighting lens

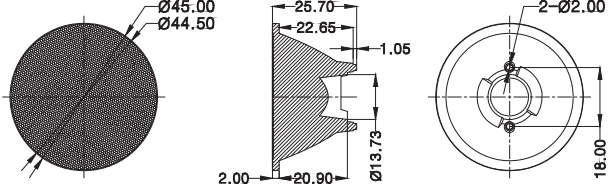
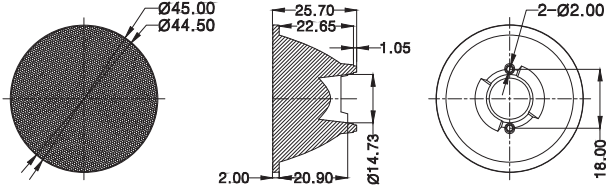
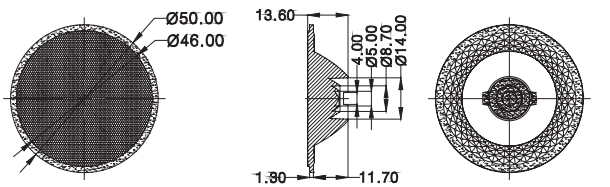
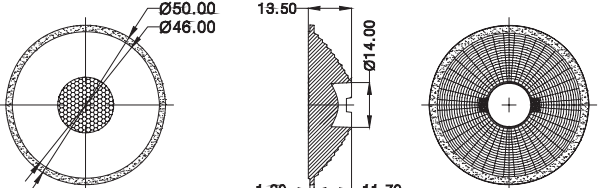
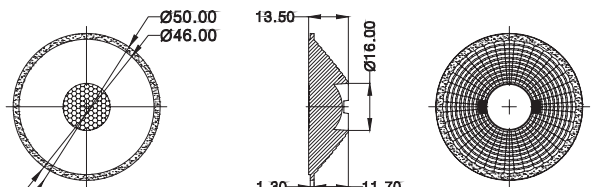
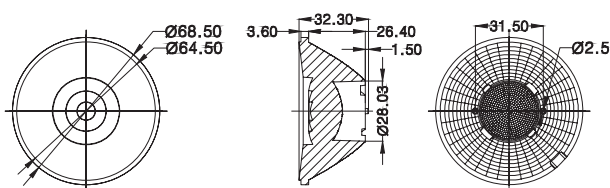
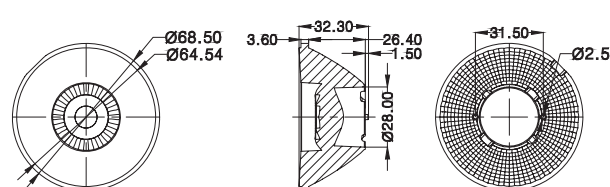
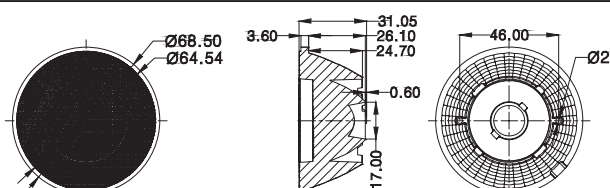


## 商照灯具透镜 (Business lighting lens)

|                                                                                     |                                                                                                                                                                                                           |                                                                                      |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-CT36G-44</b><br/>           Angle: 36°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø44*H10.85mm<br/>           LED Type: 7颗3030<br/>           Material: PC</p>           |    |
|    | <p><b>Item No.: HL-BR0125G-5018</b><br/>           Angle: 25°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø50*H18mm<br/>           LED Type: Cree-13xx<br/>           Material: PMMA</p>     |    |
|    | <p><b>Item No.: HL-BR0140G-5018</b><br/>           Angle: 40°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø50*H18mm<br/>           LED Type: Cree-13xx<br/>           Material: PMMA</p>     |    |
|   | <p><b>Item No.: HL-CT0124G6522M</b><br/>           Angle: 24°<br/>           Surface: Frosting/雾面<br/>           Dim.: Ø63*H24mm<br/>           LED Type: COB<br/>           Material: PMMA</p>           |   |
|  | <p><b>Item No.: HL-CT0138G-6522</b><br/>           Angle: 38°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø63*H22mm<br/>           LED Type: COB<br/>           Material: PMMA</p>           |  |
|  | <p><b>Item No.: HL-SP0124G-7524</b><br/>           Angle: 24°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø75*H24mm<br/>           LED Type: Cree 18xx<br/>           Material: PMMA</p>     |  |
|  | <p><b>Item No.: HL-SP0140G-7524</b><br/>           Angle: 40°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø75*H24mm<br/>           LED Type: Cree 18xx<br/>           Material: PMMA</p>     |  |
|  | <p><b>Item No.: HL-CR15G-4525</b><br/>           Angle: 15°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø45*H25.84mm<br/>           LED Type: Cree 13xx/15xx<br/>           Material: PMMA</p> |  |

Business lighting lens

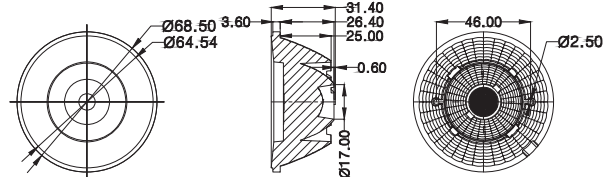
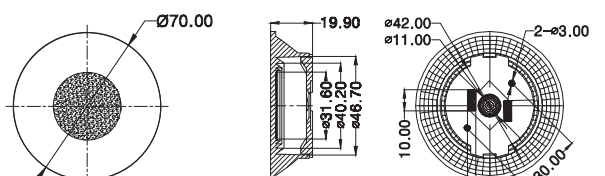
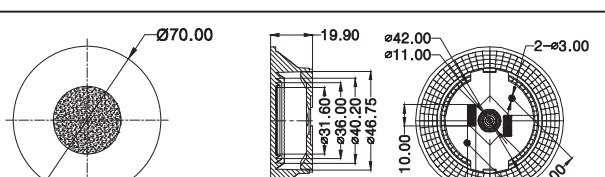
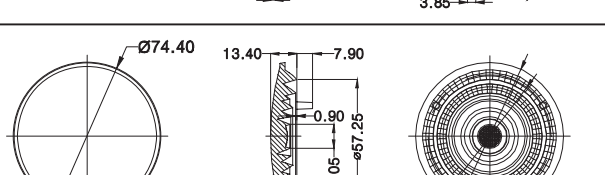
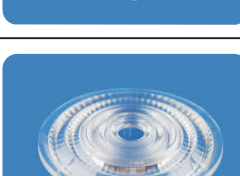
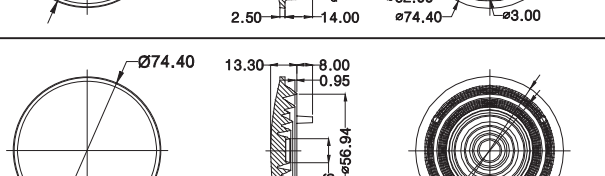
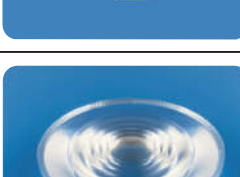
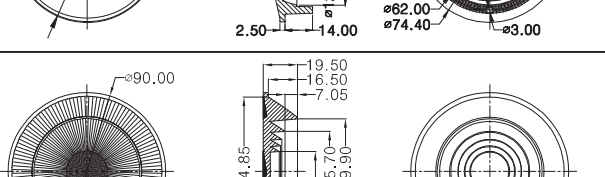
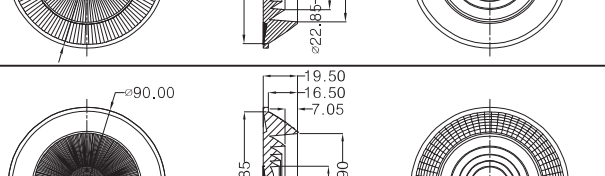
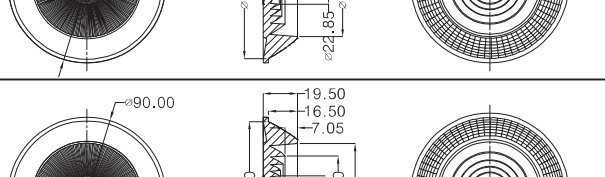
## 商照灯具透镜 (Business lighting lens)

|                                                                                     |                                                                                                                                                                                                              |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-CR24G-4525</b><br/>           Angle: 24°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø45*H25.7mm<br/>           LED Type: Cree 13xx/15xx<br/>           Material: PMMA</p>     |    |
|    | <p><b>Item No.: HL-CR36G-4525</b><br/>           Angle: 36°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø45*H25.7mm<br/>           LED Type: Cree 13xx/15xx<br/>           Material: PMMA</p>     |    |
|    | <p><b>Item No.: HL-CR24G-5012</b><br/>           Angle: 24°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø50*H13.6mm<br/>           LED Type: Cree 15xx<br/>           Material: PC</p>            |    |
|   | <p><b>Item No.: HL-CR36G-5012</b><br/>           Angle: 36°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø50*H13.5mm<br/>           LED Type: Cree 15xx<br/>           Material: PC</p>          |   |
|  | <p><b>Item No.: HL-CR60G-5012</b><br/>           Angle: 60°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø50*H13.5mm<br/>           LED Type: Cree 15xx<br/>           Material: PC</p>          |  |
|  | <p><b>Item No.: HL-CR10G-6930</b><br/>           Angle: 10°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø68.5*H32.3mm<br/>           LED Type: Cree 15xx/18xx<br/>           Material: PMMA</p> |  |
|  | <p><b>Item No.: HL-CR24G-6930</b><br/>           Angle: 24°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø68.5*H32.3mm<br/>           LED Type: Cree 15xx/18xx<br/>           Material: PMMA</p> |  |
|  | <p><b>Item No.: HL-CR36G-6930</b><br/>           Angle: 36°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø68.5*H31.05mm<br/>           LED Type: Cree 15xx/18xx<br/>           Material: PMMA</p>  |  |

Business lighting lens



## 商照灯具透镜 (Business lighting lens)

|                                                                                     |                                                                                                                                                       |                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-CR45G-6930</b><br/>Angle: 45°<br/>Surface: Mirrored/镜面<br/>Dim.: Ø68.5*H31.4mm<br/>LED Type: Cree 13xx/18xx<br/>Material: PMMA</p> |    |
|    | <p><b>Item No.: HL-AR12D7018</b><br/>Angle: 12°<br/>Surface: Mirrored/镜面<br/>Dim.: Ø70*H19.9mm<br/>LED Type: 7070/Cree 15xx<br/>Material: PMMA+PC</p> |    |
|    | <p><b>Item No.: HL-AR24D7018</b><br/>Angle: 24°<br/>Surface: Mirrored/镜面<br/>Dim.: Ø70*H19.9mm<br/>LED Type: 7070/Cree 15xx<br/>Material: PMMA+PC</p> |    |
|   | <p><b>Item No.: HL-AR15D7513</b><br/>Angle: 15°<br/>Surface: Mirrored/镜面<br/>Dim.: Ø74.4*H13.4mm<br/>LED Type: 7070/Cree 15xx<br/>Material: PC</p>    |   |
|  | <p><b>Item No.: HL-AR38D7513</b><br/>Angle: 38°<br/>Surface: Mirrored/镜面<br/>Dim.: Ø74.4*H13.3mm<br/>LED Type: 7070/Cree 15xx<br/>Material: PC</p>    |  |
|  | <p><b>Item No.: HL-AR12D9020</b><br/>Angle: 12°<br/>Surface: Mirrored/镜面<br/>Dim.: Ø90*H19.5mm<br/>LED Type: 7070/Cree 15xx<br/>Material: PC</p>      |  |
|  | <p><b>Item No.: HL-AR25D9020</b><br/>Angle: 25°<br/>Surface: Mirrored/镜面<br/>Dim.: Ø90*H19.5mm<br/>LED Type: 7070/Cree 15xx<br/>Material: PC</p>      |  |
|  | <p><b>Item No.: HL-AR38D9020</b><br/>Angle: 38°<br/>Surface: Mirrored/镜面<br/>Dim.: Ø90*H19.5mm<br/>LED Type: 7070/Cree 15xx<br/>Material: PC</p>      |  |

Business lighting lens

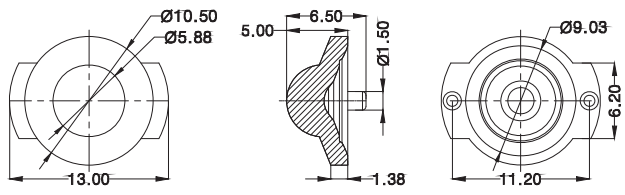
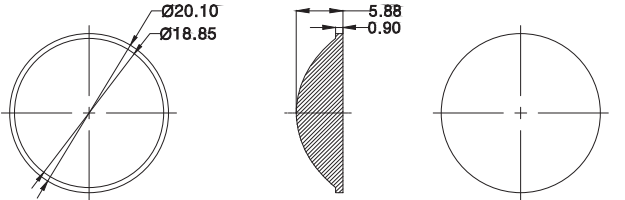
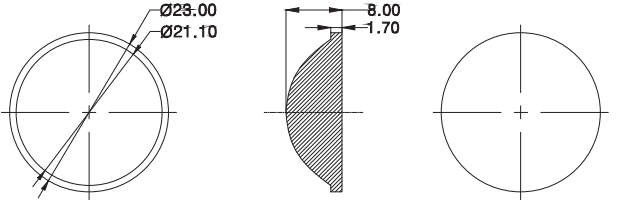
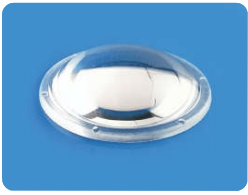
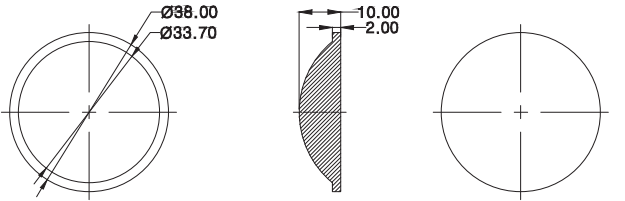
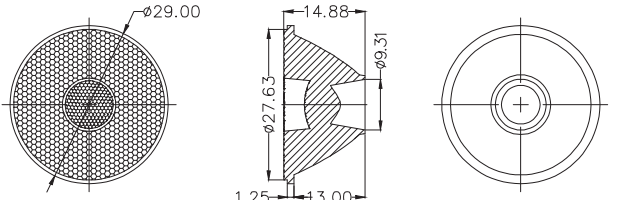
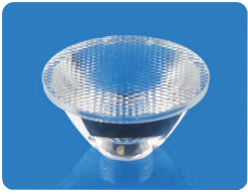
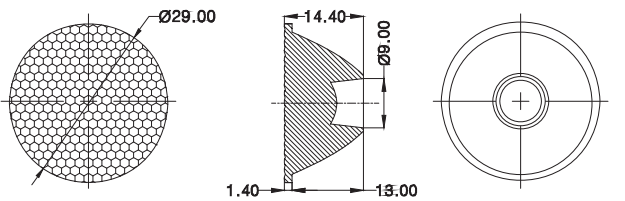
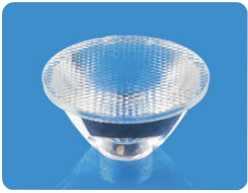
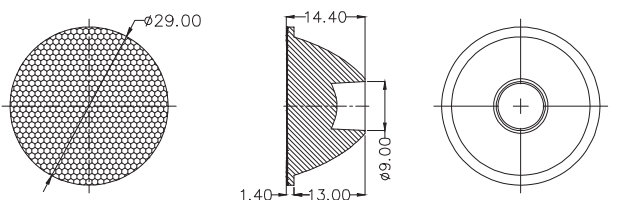
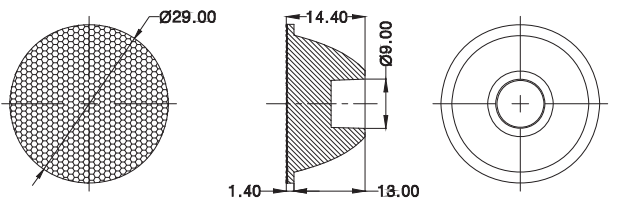


## 舞台照明透镜 (Stage lighting lens)



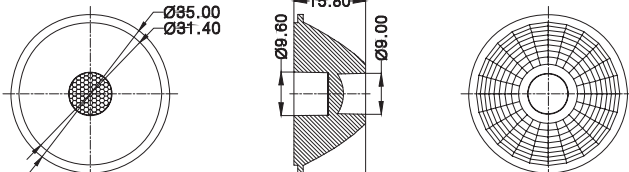
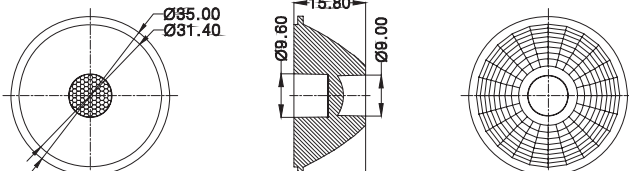
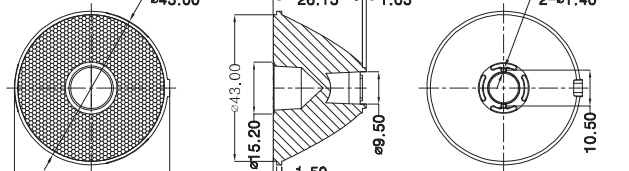
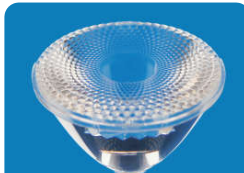
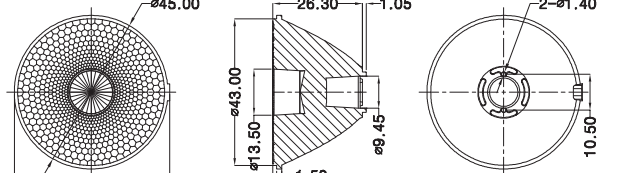
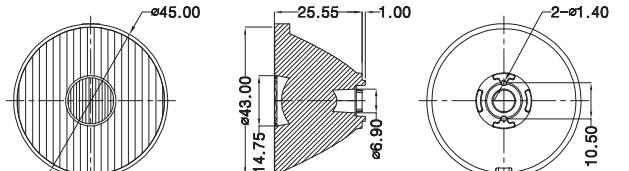
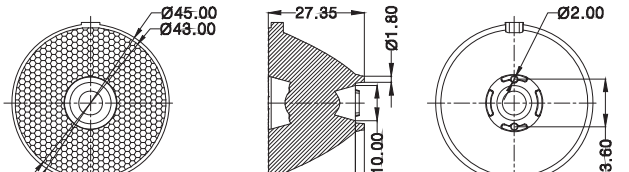
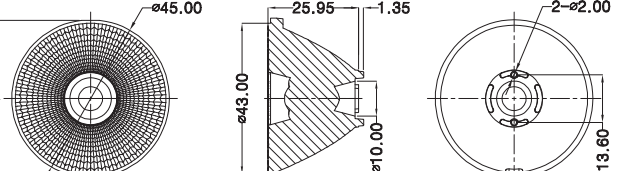
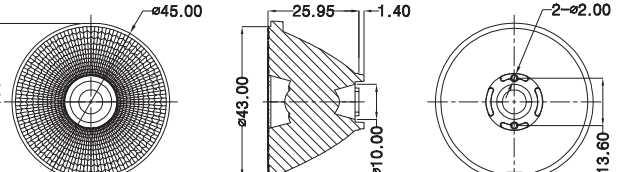
舞台照明场景  
Stage lighting scene

## 舞台照明透镜 (Stage lighting lens)

|                                                                                     |                                                                                                                                                                                                                    |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-AN1307-K</b><br/>           Angle: 60°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø10.5 (L13) * H6.5mm<br/>           LED Type: XPE/3535<br/>           Material: PMMA</p>        |    |
|    | <p><b>Item No.: HL-BJ20T-K</b><br/>           Angle: 15-60°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø20.1 * H5.88mm<br/>           LED Type: Convex lenx Series<br/>           Material: PMMA</p> |    |
|    | <p><b>Item No.: HL-23T</b><br/>           Angle: 10-45°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø23 * H8mm<br/>           LED Type: XPE/3535<br/>           Material: PMMA</p>                    |    |
|   | <p><b>Item No.: HL-38T</b><br/>           Angle: 10-60°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø38 * H10mm<br/>           LED Type: S2W/S2WN<br/>           Material: PMMA</p>                   |   |
|  | <p><b>Item No.: HL-2914-15D</b><br/>           Angle: 15°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø29 * H14.88mm<br/>           LED Type: RGB/RGBW/TX9090<br/>           Material: PMMA</p>         |  |
|  | <p><b>Item No.: HL-MTG0138L</b><br/>           Angle: 25°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø29 * H14.4mm<br/>           LED Type: RGB/RGBW/TX9090<br/>           Material: PMMA</p>          |  |
|  | <p><b>Item No.: HL-MTG0138L2914</b><br/>           Angle: 38°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø29 * H14.4mm<br/>           LED Type: RGB/RGBW/TX9090<br/>           Material: PMMA</p>      |  |
|  | <p><b>Item No.: HL-MTG0160L2914</b><br/>           Angle: 60°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø29 * H14.4mm<br/>           LED Type: RGB/RGBW/TX9090<br/>           Material: PMMA</p>      |  |

Stage lighting lens

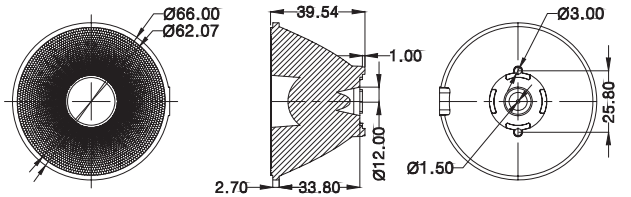
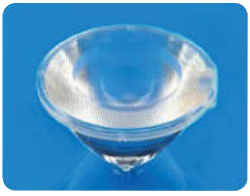
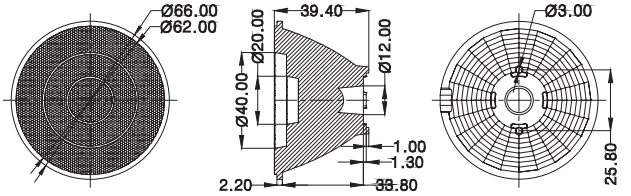
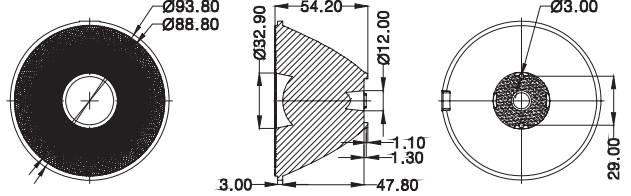
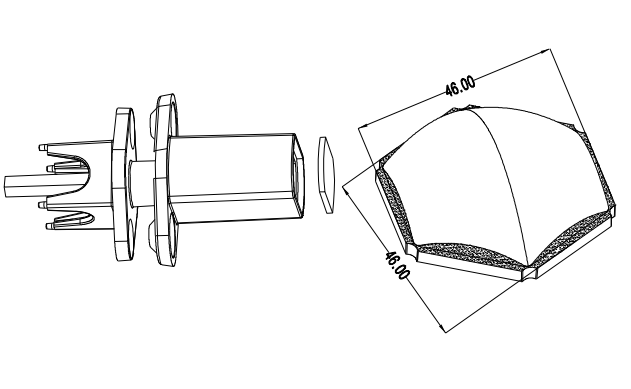
## 舞台照明透镜 (Stage lighting lens)

|                                                                                     |                                                                                                                                                         |                                                                                      |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-MTG0125G-3516-2</b><br/>Angle: 25°<br/>Surface: Mirrored/镜面<br/>Dim.: Ø35*H15.8mm<br/>LED Type: RGBW/TX909<br/>Material: PMMA</p>    |    |
|    | <p><b>Item No.: HL-MTG0125G-3516-3</b><br/>Angle: 38°<br/>Surface: Mirrored/镜面<br/>Dim.: Ø35*H15.8mm<br/>LED Type: RGBW/TX909<br/>Material: PMMA</p>    |    |
|    | <p><b>Item No.: HL-XM08D-4526N</b><br/>Angle: 8°<br/>Surface: Beaded/珠面<br/>Dim.: Ø45*H26.15mm<br/>LED Type: 5050RGBW<br/>Material: PMMA</p>            |    |
|   | <p><b>Item No.: HL-XM25D-4526</b><br/>Angle: 25°<br/>Surface: Beaded/珠面<br/>Dim.: Ø45*H26.3mm<br/>LED Type: 5050RGBW<br/>Material: PMMA</p>             |   |
|  | <p><b>Item No.: HL-XM1045X-4526</b><br/>Angle: 10*45°<br/>Surface: Striped/条纹<br/>Dim.: Ø45*H25.55mm<br/>LED Type: XML/OSTAR-15W<br/>Material: PMMA</p> |  |
|  | <p><b>Item No.: HL-OS08L-4526</b><br/>Angle: 8°<br/>Surface: Beaded/珠面<br/>Dim.: Ø45*H27.35mm<br/>LED Type: S2W/TX5060<br/>Material: PMMA</p>           |  |
|  | <p><b>Item No.: HL-OS15D-4526</b><br/>Angle: 15°<br/>Surface: Beaded/珠面<br/>Dim.: Ø45*H25.95mm<br/>LED Type: 5060RGBW<br/>Material: PMMA</p>            |  |
|  | <p><b>Item No.: HL-OS25D-4526</b><br/>Angle: 25°<br/>Surface: Beaded/珠面<br/>Dim.: Ø45*H25.95mm<br/>LED Type: 5060RGBW<br/>Material: PMMA</p>            |  |

Stage lighting lens



## 舞台照明透镜 (Stage lighting lens)

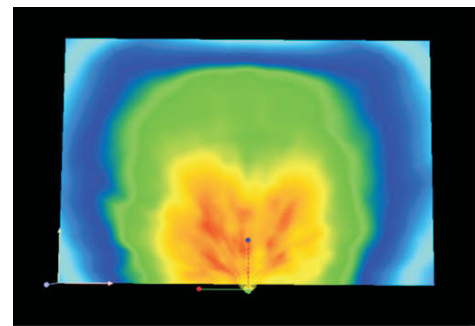
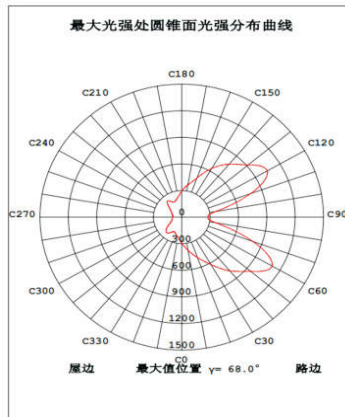
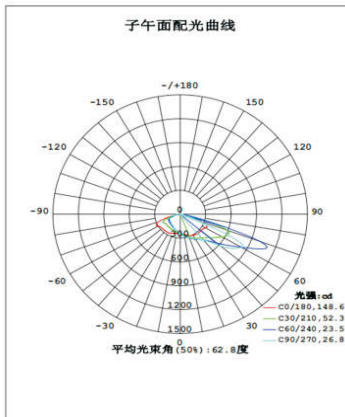
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|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   | <p><b>Item No.: HL-OS05D-6639</b><br/>           Angle: 5°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø66*H39.54mm<br/>           LED Type: S2WN/添鑫25W<br/>           Material: PMMA</p> |   |
|   | <p><b>Item No.: HL-TX20D-6538</b><br/>           Angle: 20°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø66*H39.4mm<br/>           LED Type: S2WN/添鑫25W<br/>           Material: PMMA</p> |   |
|   | <p><b>Item No.: HL-9451L-5D-3</b><br/>           Angle: 5°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø93.8*H54.2mm<br/>           LED Type: S2WP-60W<br/>           Material: PMMA</p>  |   |
|  | <p><b>Item No.: HL-BJ52T变焦套件</b><br/>           Angle: 5-60°<br/>           LED Type: SZW/SZWN<br/>           Material: PMMA+PPS+玻璃</p>                                                              |  |

光学设计、模具制造，专业定制光学透镜。

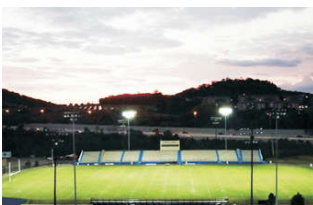
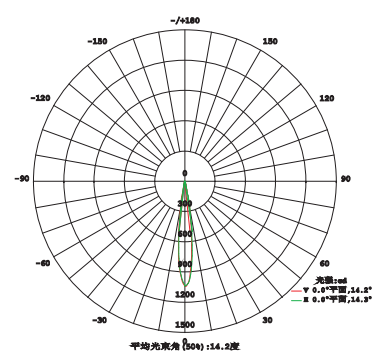
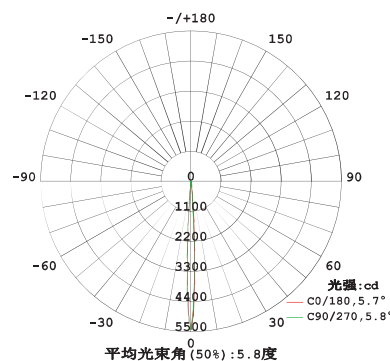
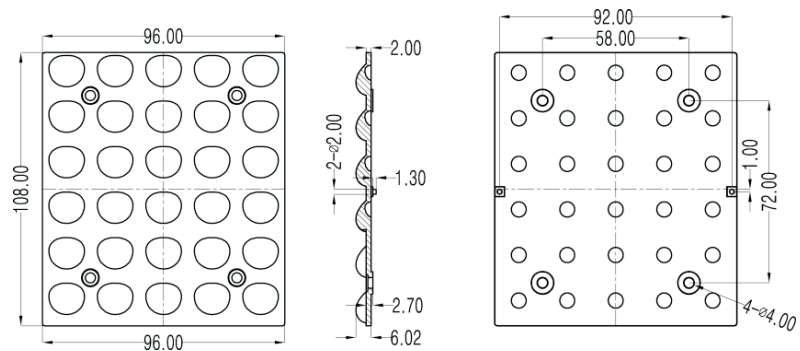


Optical design, mold manufacturing,  
professional customization of optical lenses.

## 体育照明透镜(Sport lighting lens)



场景模拟图  
Simulation diagram

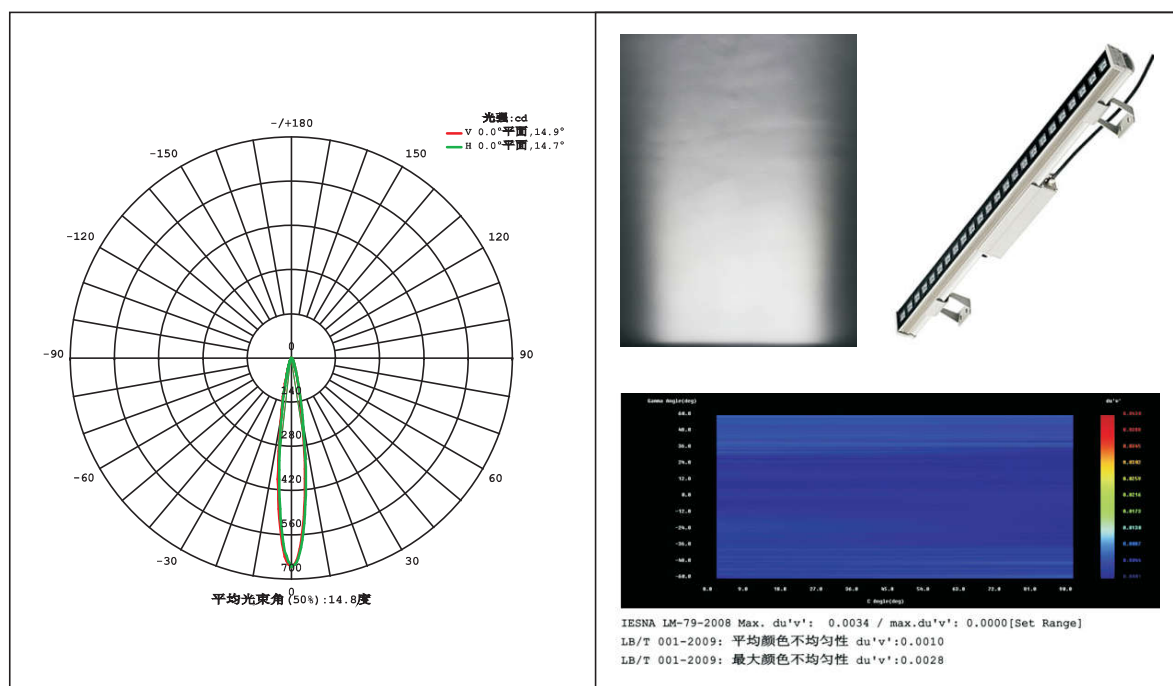


- 体育照明透镜广泛适用于篮球场、羽毛球场、排球场等。
- 根据客户不同的需求，不同的应用场景，做专业光学设计，定制光学模具。
- Sport lighting lenses are widely used in basketball court, badminton court, volleyball court, etc.
- According to the customers' different requirement and different application scene, we specialize in optical design and customized optical molds.

## 景观照明透镜 Landscape Lighting Lens

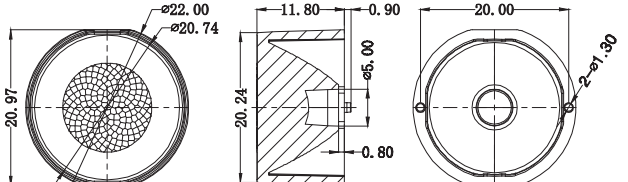
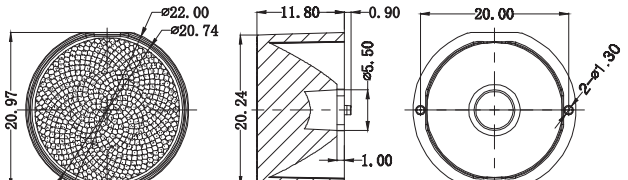
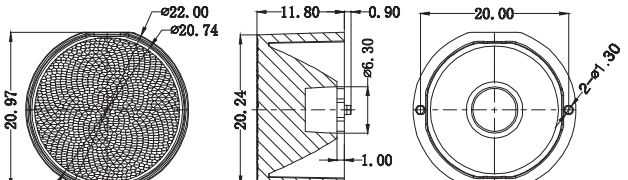
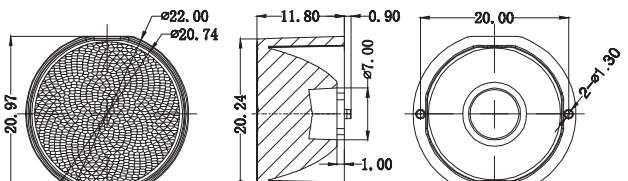
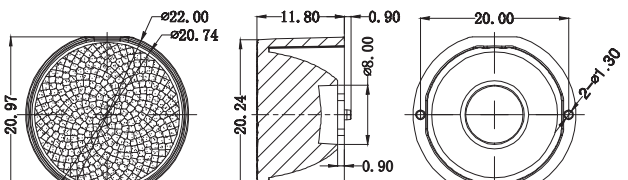
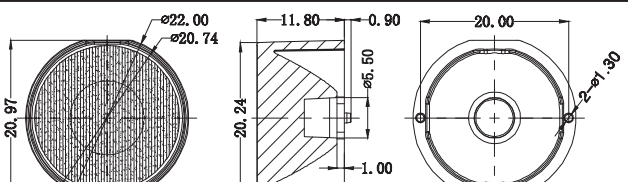
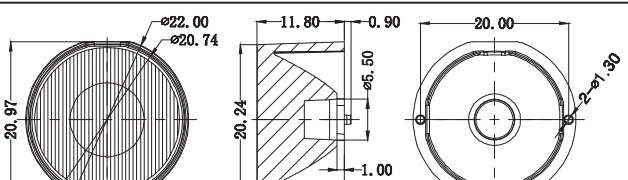
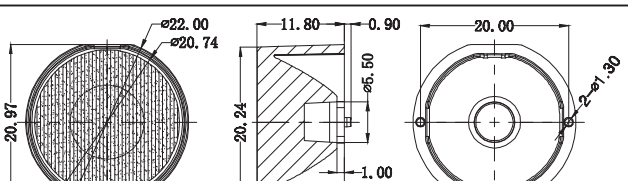
景观照明对城市的美化有着不可替代的作用，衡力光电在原有100多款景观照明透镜的基础上，又开发出一系列新的防水透镜。透镜表面的珠点不再是传统意义上的平均分配，而是由不同非球面的珠点通过渐变的形式组成，充分融合了光源色散、黄晕等现象，让光斑更为柔和、均匀；新款透镜的表面条纹也不再是普通的棱面，衡力光电的设计师们对光的拉伸做了深入细致的分析，发现瓦棱面和错位断裂棱面对光的控制将更加完美，特别是衡力光电今年推出的两款四方形瓦棱面透镜将这一概念做了充分的诠释。

Viewing of the irreplaceable status of landscape lighting for decorating city, we have developed a brand new series of waterproof lens with integrated design for it on the basis of our experience of over hundreds Lenses development before. The beaded pattern on the surface of lens was formed by different aspherical beaded in gradual change and full fusion of light source dispersion and yellow ring, cease to be the traditional equal distribution in order to achieve more soft and average in the light spot. The striped surface is not just the normal prismatic one because of after the deep research for the light stretch by our designer, they found the corrugate and stagger fracture surface can have a perfect control for the light, especially our 2 new square lenses with corrugated surface is being fully applied that research result.

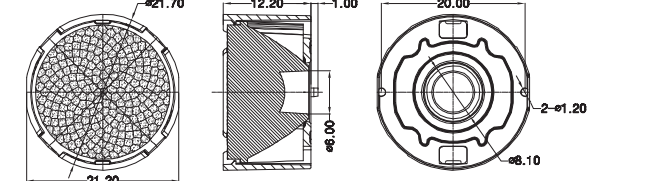
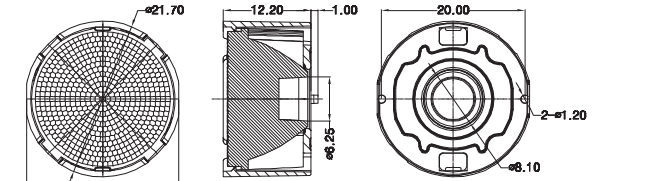
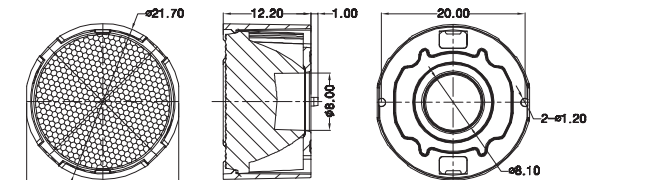
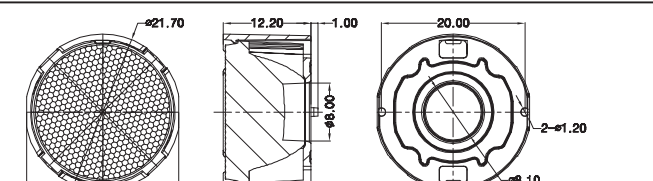
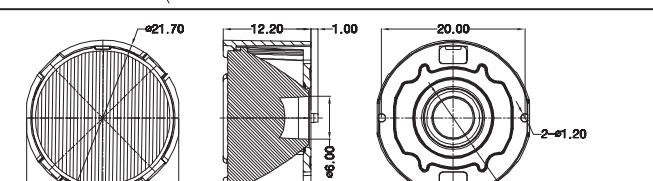
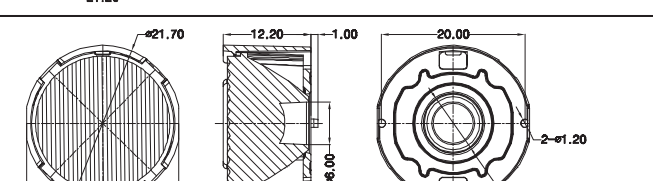
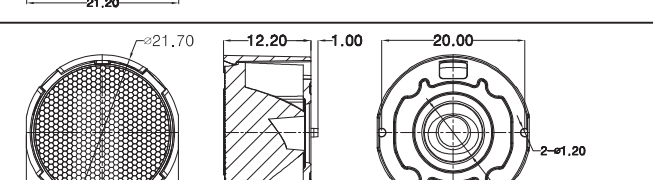
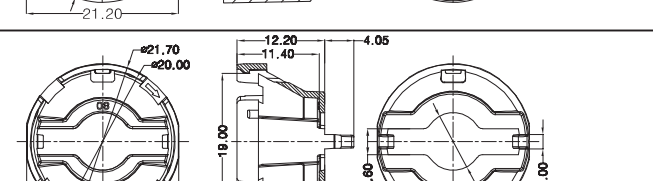




# 单色洗墙透镜(Fn系列) Single color wall wash lens (FN series)

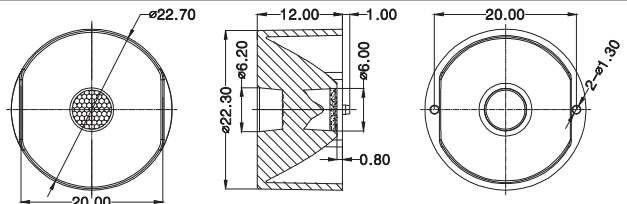
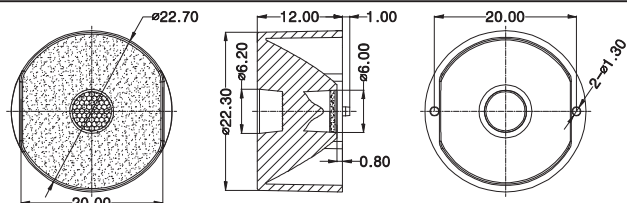
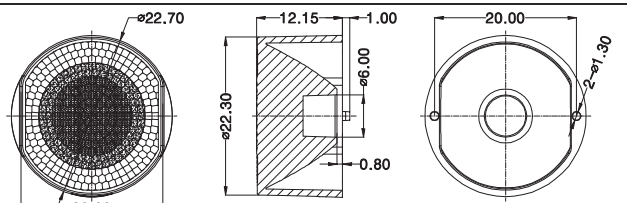
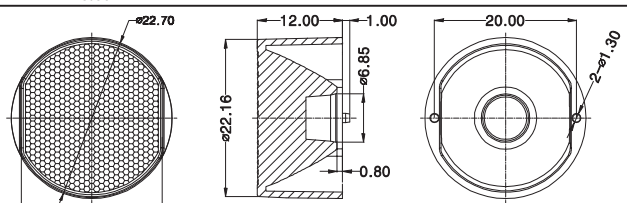
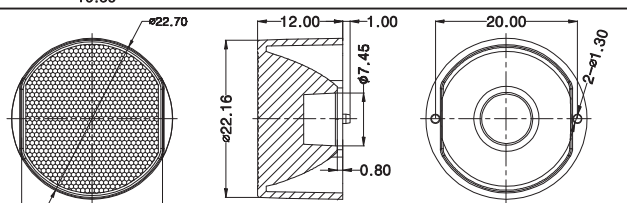
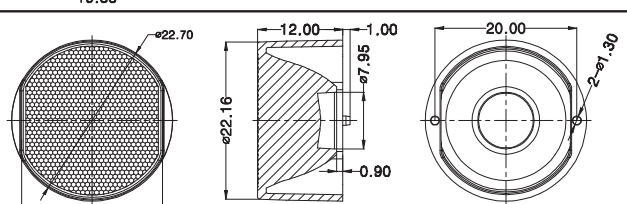
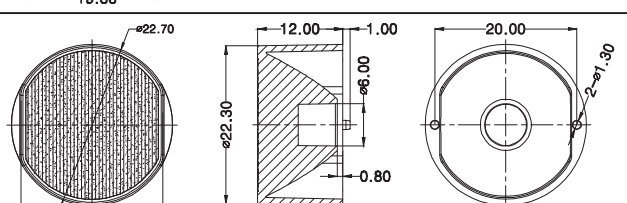
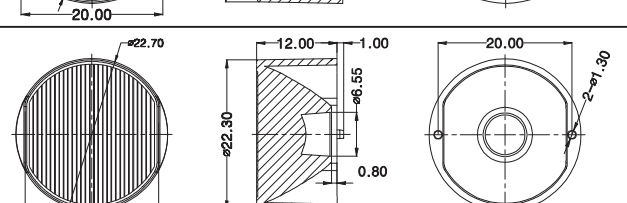
|                                                                                     |                                                                                                                                                                                                    |                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-Fn10</b><br/>           Angle: 10°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø22*H11.8mm<br/>           LED Type: 3030/P7<br/>           Material: PMMA</p>        |    |
|    | <p><b>Item No.: HL-Fn15</b><br/>           Angle: 15°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø22*H11.8mm<br/>           LED Type: 3030/P7<br/>           Material: PMMA</p>        |    |
|    | <p><b>Item No.: HL-Fn30</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø22*H11.8mm<br/>           LED Type: 3030/P7<br/>           Material: PMMA</p>        |    |
|   | <p><b>Item No.: HL-Fn45</b><br/>           Angle: 45°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø22*H11.8mm<br/>           LED Type: 3030/P7<br/>           Material: PMMA</p>        |   |
|  | <p><b>Item No.: HL-Fn60</b><br/>           Angle: 60°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø22*H11.8mm<br/>           LED Type: 3030/P7<br/>           Material: PMMA</p>        |  |
|  | <p><b>Item No.: HL-Fn1530</b><br/>           Angle: 15°*30°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø22*H11.8mm<br/>           LED Type: 3030/P7<br/>           Material: PMMA</p> |  |
|  | <p><b>Item No.: HL-Fn1545</b><br/>           Angle: 15°*45°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø22*H11.8mm<br/>           LED Type: 3030/P7<br/>           Material: PMMA</p> |  |
|  | <p><b>Item No.: HL-Fn1560</b><br/>           Angle: 15°*60°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø22*H11.8mm<br/>           LED Type: 3030/P7<br/>           Material: PMMA</p> |  |

## 单色洗墙透镜(HK系列) Single color wall wash lens (HK series)

|                                                                                     |                                                                                                                                                                                                              |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-HK12</b><br/>           Angle: 12°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø21.7*H12.2mm<br/>           LED Type: 3030/3535/P7<br/>           Material: PMMA+PC</p>        |    |
|    | <p><b>Item No.: HL-HK30</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø21.7*H12.2mm<br/>           LED Type: 3030/3535/P7<br/>           Material: PMMA+PC</p>        |    |
|    | <p><b>Item No.: HL-HK45</b><br/>           Angle: 45°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø21.7*H12.2mm<br/>           LED Type: 3030/3535/P7<br/>           Material: PMMA+PC</p>        |    |
|   | <p><b>Item No.: HL-HK60</b><br/>           Angle: 60°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø21.7*H12.2mm<br/>           LED Type: 3030/3535/P7<br/>           Material: PMMA+PC</p>        |   |
|  | <p><b>Item No.: HL-HK1530</b><br/>           Angle: 15°30°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø21.7*H12.2mm<br/>           LED Type: 3030/3535/P7<br/>           Material: PMMA+PC</p>  |  |
|  | <p><b>Item No.: HL-HK2060</b><br/>           Angle: 20°60°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø21.7*H12.2mm<br/>           LED Type: 3030/3535/P7<br/>           Material: PMMA+PC</p>  |  |
|  | <p><b>Item No.: HL-HK2545PL20</b><br/>           Angle: 24°45° 偏光20°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø21.7*H12.2mm<br/>           LED Type: 3535<br/>           Material: PMMA+PC</p> |  |
|  | <p><b>Item No.: HL-HKZJ02</b><br/>           Dim.: Ø21.7*H12.2mm<br/>           LED Type: 3030/3535/P7<br/>           Material: PC</p>                                                                       |  |

Landscape Lighting Lens

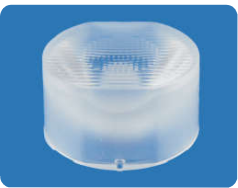
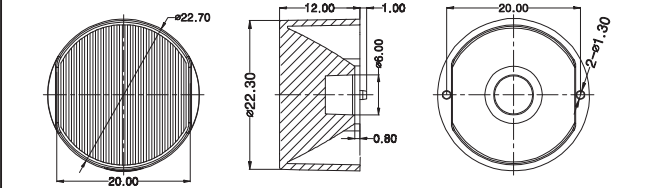
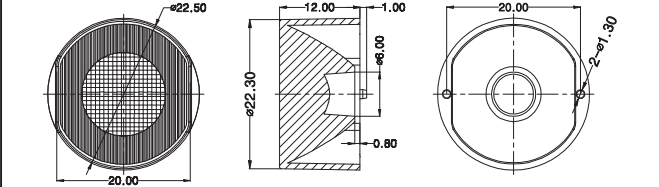
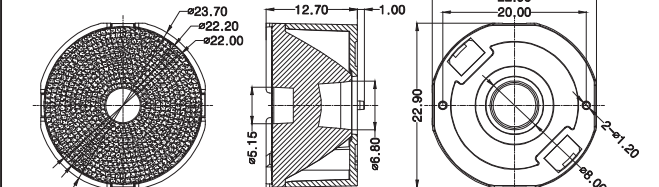
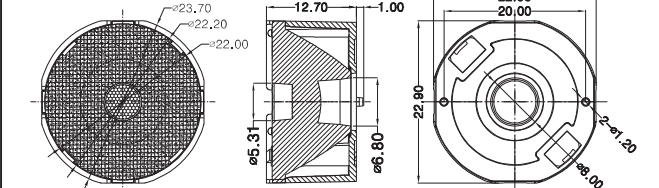
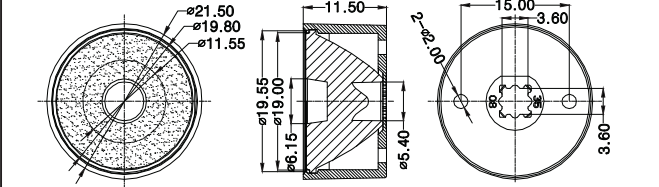
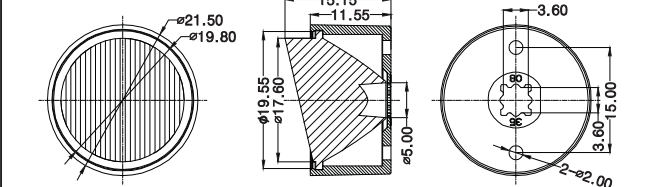
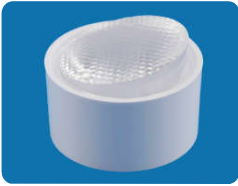
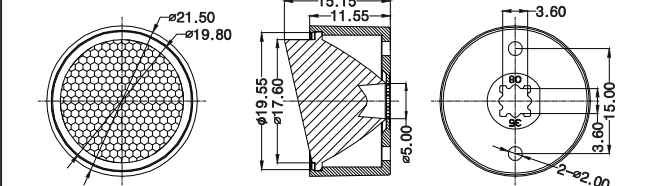
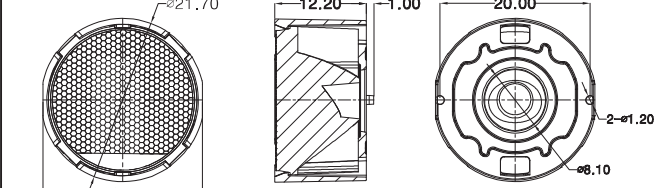
# 单色洗墙透镜(HG系列) Single color wall wash lens (HG series)

|                                                                                     |                                                                                                                                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-HGX06P</b><br/>           Angle: 6°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø22.7*H12mm<br/>           LED Type: 3535<br/>           Material: PMMA</p>         |    |
|    | <p><b>Item No.: HL-HG08M</b><br/>           Angle: 8°<br/>           Surface: Frosting/雾面<br/>           Dim.: Ø22.7*H12mm<br/>           LED Type: 3535<br/>           Material: PMMA</p>          |    |
|    | <p><b>Item No.: HL-HG15</b><br/>           Angle: 15°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø22.7*H12.15mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>    |    |
|   | <p><b>Item No.: HL-HG30</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø22.7*H12mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>       |   |
|  | <p><b>Item No.: HL-HG45</b><br/>           Angle: 45°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø22.7*H12mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>       |  |
|  | <p><b>Item No.: HL-HG60</b><br/>           Angle: 60°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø22.7*H12mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>       |  |
|  | <p><b>Item No.: HL-HGX1020</b><br/>           Angle: 10*20°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø22.7*H12mm<br/>           LED Type: 3535<br/>           Material: PMMA</p>     |  |
|  | <p><b>Item No.: HL-HG1525</b><br/>           Angle: 15*25°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø22.7*H12mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p> |  |

Landscape Lighting Lens

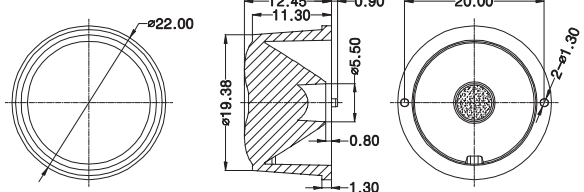
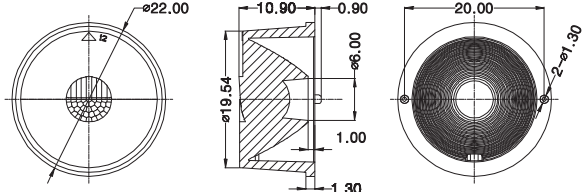
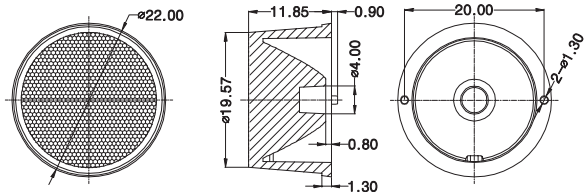
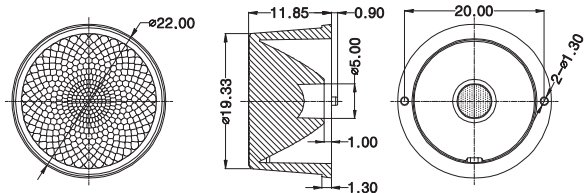
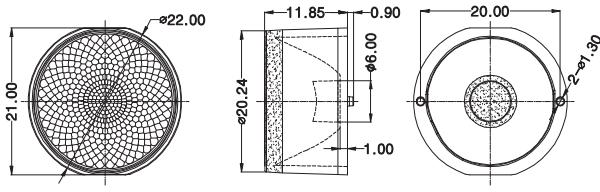
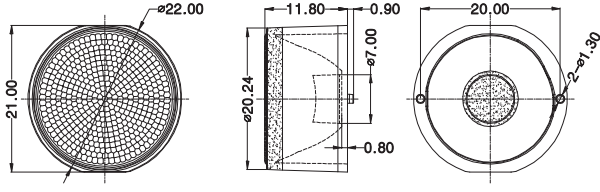
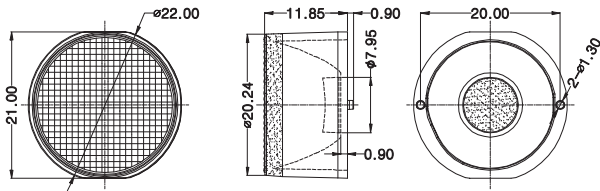
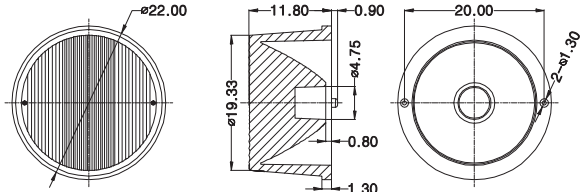


# 单色洗墙透镜(HG系列) Single color wall wash lens (HG series)

|                                                                                     |                                                                                                                                                                                                                |                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-HG1535</b><br/>           Angle: 15°35°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø22.5*H12mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>            |    |
|    | <p><b>Item No.: HL-HG1560</b><br/>           Angle: 15°60°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø22.7*H12mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>            |    |
|    | <p><b>Item No.: HL-HG10-Z</b><br/>           Angle: 10°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø23.7*H12.7mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA+PC</p>           |    |
|   | <p><b>Item No.: HL-HG1020-Z</b><br/>           Angle: 10°20°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø23.7*H12.7mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA+PC</p>      |   |
|  | <p><b>Item No.: HL-XP08D</b><br/>           Angle: 8°<br/>           Surface: Frosting/雾面<br/>           Dim.: Ø21.5*H11.5mm<br/>           LED Type: 3535<br/>           Material: PMMA+PC</p>                |  |
|  | <p><b>Item No.: HL-XP012040PX</b><br/>           Angle: 20°40° 偏光16°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø21.5*H15.15mm<br/>           LED Type: 3535<br/>           Material: PMMA+PC</p> |  |
|  | <p><b>Item No.: HL-XP0130PL</b><br/>           Angle: 30° 偏光16°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø21.5*H15.15mm<br/>           LED Type: 3535<br/>           Material: PMMA+PC</p>       |  |
|  | <p><b>Item No.: HL-HK2545PL20</b><br/>           Angle: 24°45° 偏光20°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø21.7*H12.2mm<br/>           LED Type: 3535<br/>           Material: PMMA+PC</p>   |  |

Landscape Lighting Lens

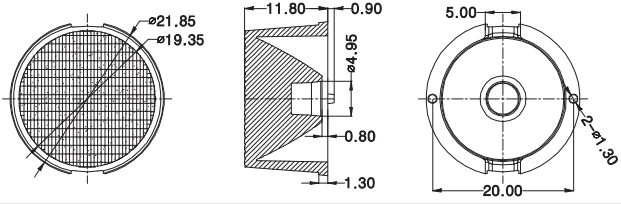
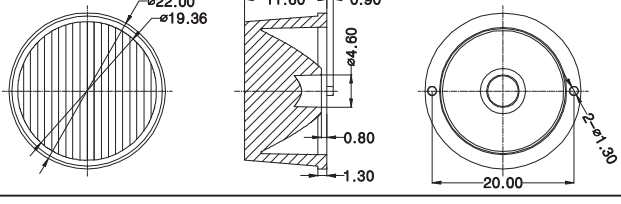
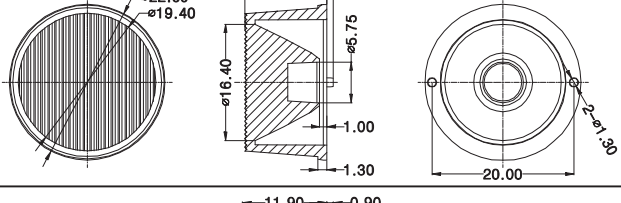
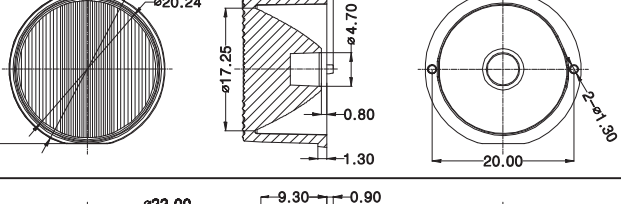
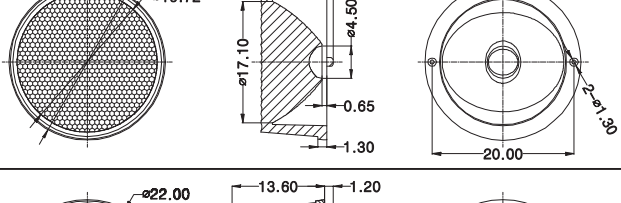
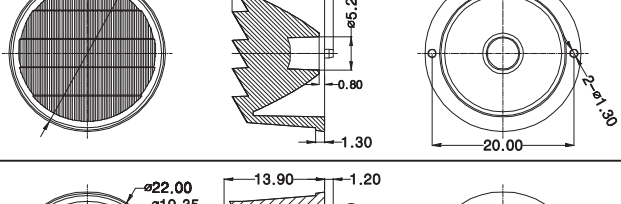
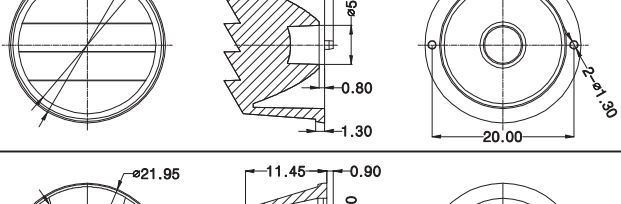
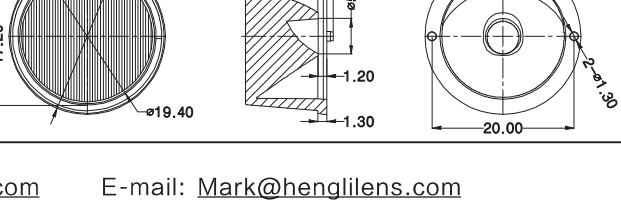
## 单色洗墙透镜(FL系列) Single color wall wash lens (FL series)

|                                                                                     |                                                                                                                                              |                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-FL06P</b><br/>Angle: 6°<br/>Surface: Mirrored/镜面<br/>Dim.: Ø22.7*H12.45mm<br/>LED Type: 3535<br/>Material: PMMA</p>       |    |
|    | <p><b>Item No.: HL-FX12</b><br/>Angle: 12°<br/>Surface: Frosting/雾面<br/>Dim.: Ø22*H10.9mm<br/>LED Type: 3535<br/>Material: PMMA</p>          |    |
|    | <p><b>Item No.: HL-FL15</b><br/>Angle: 15°<br/>Surface: Beaded/珠面<br/>Dim.: Ø22*H11.85mm<br/>LED Type: 3030/3535<br/>Material: PMMA</p>      |    |
|   | <p><b>Item No.: HL-FL20</b><br/>Angle: 20°<br/>Surface: Beaded/珠面<br/>Dim.: Ø22*H11.85mm<br/>LED Type: 3030/3535<br/>Material: PMMA</p>      |   |
|  | <p><b>Item No.: HL-FL30-A1</b><br/>Angle: 30°<br/>Surface: Beaded/珠面<br/>Dim.: Ø22*H11.85mm<br/>LED Type: 3030/3535<br/>Material: PMMA</p>   |  |
|  | <p><b>Item No.: HL-FL45-A1</b><br/>Angle: 45°<br/>Surface: Beaded/珠面<br/>Dim.: Ø22*H11.8mm<br/>LED Type: 3030/3535<br/>Material: PMMA</p>    |  |
|  | <p><b>Item No.: HL-FL60-A1</b><br/>Angle: 60°<br/>Surface: Beaded/珠面<br/>Dim.: Ø22*H11.85mm<br/>LED Type: 3030/3535<br/>Material: PMMA</p>   |  |
|  | <p><b>Item No.: HL-FX1030</b><br/>Angle: 15°30'<br/>Surface: Striped/条纹<br/>Dim.: Ø22*H11.8mm<br/>LED Type: 3030/3535<br/>Material: PMMA</p> |  |

Landscape Lighting Lens

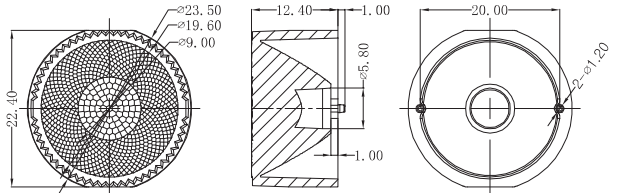
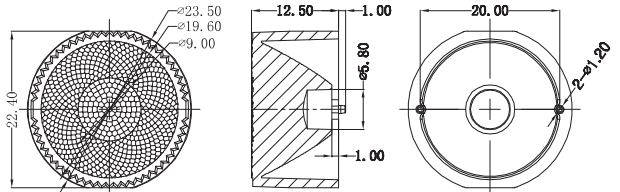
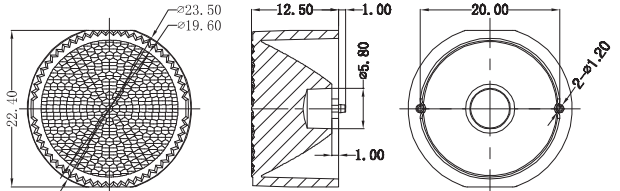
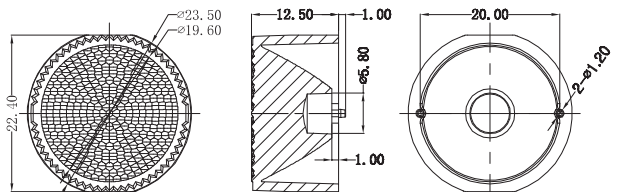
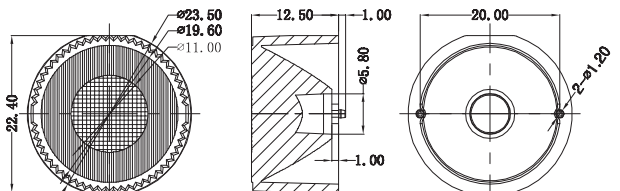
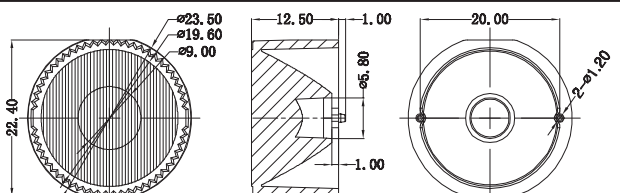
# 单色洗墙透镜(FL系列) Single color wall wash lens (FL series)

Landscape Lighting Lens

|                                                                                     |                                                                                                                                                                                                               |                                                                                      |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-FL1525Q</b><br/>           Angle: 15°25°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø21.85*H11.8mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>       |    |
|    | <p><b>Item No.: HL-FS011080XM</b><br/>           Angle: 20°40°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø22*H11.6mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>       |    |
|    | <p><b>Item No.: HL-FX1850M</b><br/>           Angle: 18°50°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø22*H11.55mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>         |    |
|   | <p><b>Item No.: HL-FX1060M-A2</b><br/>           Angle: 15°45°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø22*H11.9mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>       |   |
|  | <p><b>Item No.: HL-FX3060</b><br/>           Angle: 30°60°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø22*H9.3mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>             |  |
|  | <p><b>Item No.: HL-PX2040</b><br/>           Angle: 20°40° 偏光20°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø22*H13.6mm<br/>           LED Type: 3535<br/>           Material: PMMA</p>          |  |
|  | <p><b>Item No.: HL-PX40</b><br/>           Angle: 40° 偏光20°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø22*H13.9mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>          |  |
|  | <p><b>Item No.: HL-GN2545</b><br/>           Angle: 25°45° 偏光10°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø21.95*H11.45mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p> |  |



## 混光洗墙透镜(HD系列) Mixed color RGBW wall wash lens (HD series)

|                                                                                     |                                                                                                                                                                                                                               |                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-HD15</b><br/>           Angle: 15°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø23.5*H12.4mm<br/>           LED Type: 3535RGBW<br/>           3030RGBW<br/>           Material: PMMA</p>        |    |
|    | <p><b>Item No.: HL-HD30</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø23.5*H12.5mm<br/>           LED Type: 3535RGBW<br/>           3030RGBW<br/>           Material: PMMA</p>        |    |
|    | <p><b>Item No.: HL-HD45</b><br/>           Angle: 45°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø23.5*H12.5mm<br/>           LED Type: 3535RGBW<br/>           3030RGBW<br/>           Material: PMMA</p>        |    |
|   | <p><b>Item No.: HL-HD60</b><br/>           Angle: 60°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø23.5*H12.5mm<br/>           LED Type: 3535RGBW<br/>           3030RGBW<br/>           Material: PMMA</p>        |   |
|  | <p><b>Item No.: HL-HD1525</b><br/>           Angle: 15°*25°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø23.5*H12.5mm<br/>           LED Type: 3535RGBW<br/>           3030RGBW<br/>           Material: PMMA</p> |  |
|  | <p><b>Item No.: HL-HD1550</b><br/>           Angle: 15°*50°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø23.5*H12.5mm<br/>           LED Type: 3535RGBW<br/>           3030RGBW<br/>           Material: PMMA</p> |  |

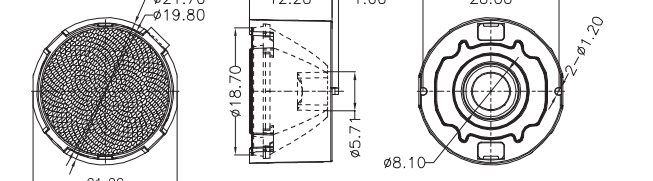
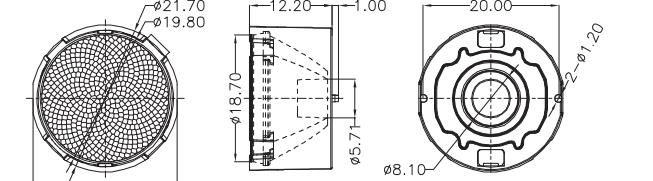
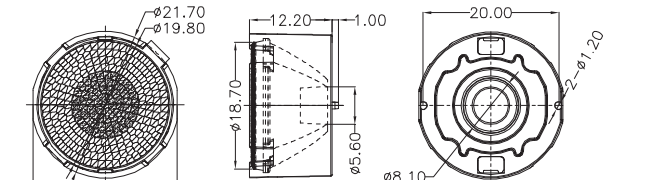
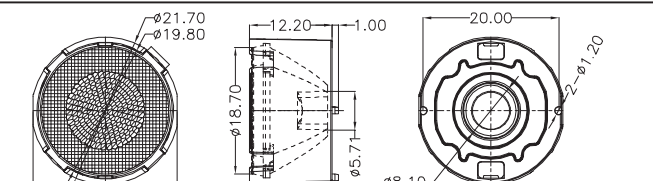
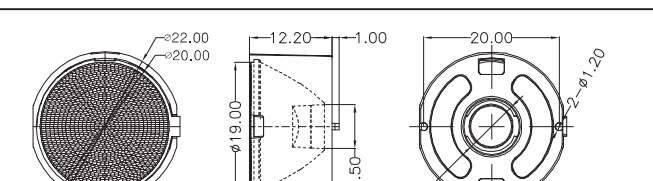
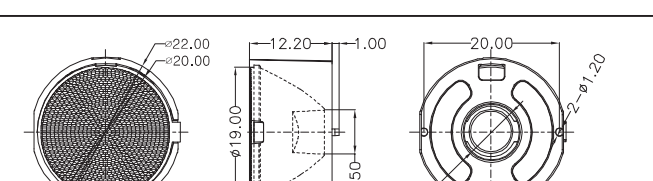
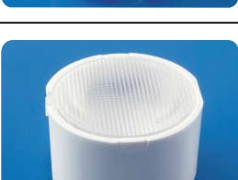
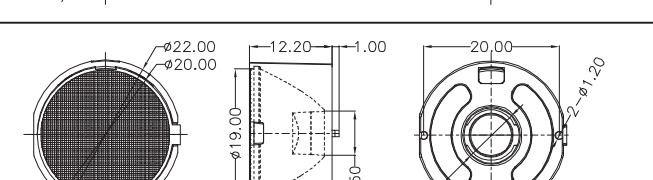
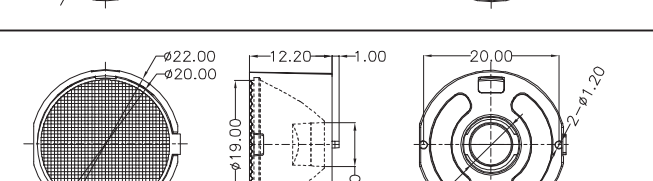
Landscape Lighting Lens

**郑重声明：HD系列透镜已申请专利保护，仿冒必究！**

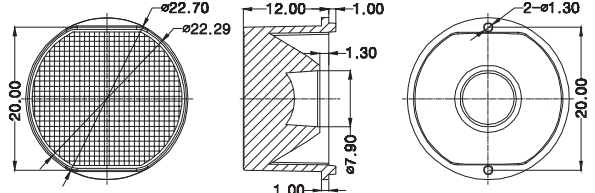
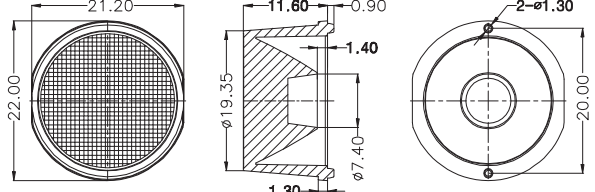
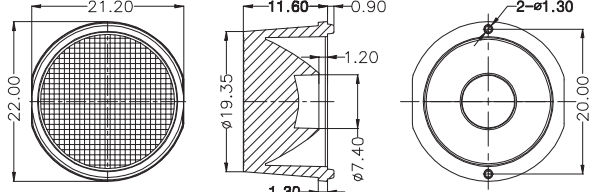
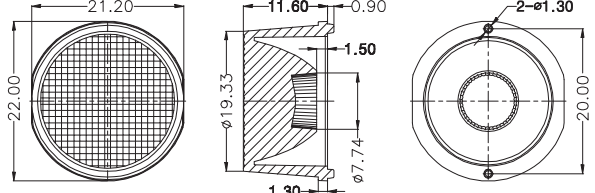
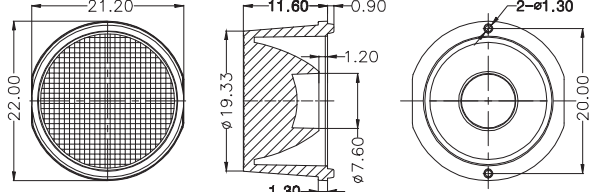
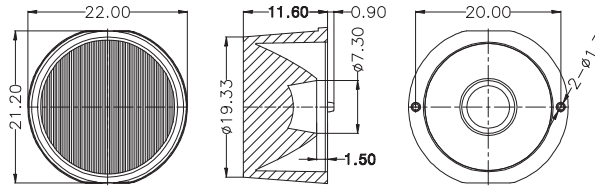
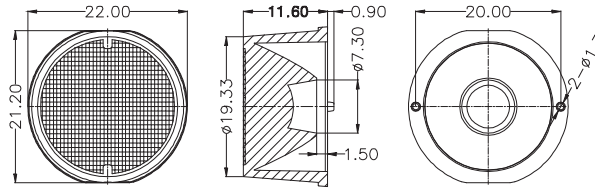
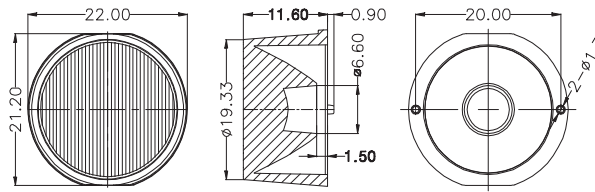
The company's record: HD series lenses had applied for patent protection, counterfeiting is not permission!

# 混光洗墙透镜(HT/HC系列) Mixed color RGBW wall wash lens (HT/HC series)

Landscape Lighting Lens

|                                                                                     |                                                                                                                                                                                                                                |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-HT15</b><br/>           Angle: 15°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø21.7*H12.2mm<br/>           LED Type: 3535RGBW<br/>           3030RGBW<br/>           Material: PMMA+PC</p>      |    |
|    | <p><b>Item No.: HL-HT25</b><br/>           Angle: 25°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø21.7*H12.2mm<br/>           LED Type: 3535RGBW<br/>           3030RGBW<br/>           Material: PMMA+PC</p>      |    |
|    | <p><b>Item No.: HL-HT60</b><br/>           Angle: 60°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø21.7*H12.2mm<br/>           LED Type: 3535RGBW<br/>           3030RGBW<br/>           Material: PMMA+PC</p>      |    |
|   | <p><b>Item No.: HL-HT1530</b><br/>           Angle: 15*30°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø21.7*H12.2mm<br/>           LED Type: 3535RGBW<br/>           3030RGBW<br/>           Material: PMMA+PC</p> |   |
|  | <p><b>Item No.: HL-HC20</b><br/>           Angle: 20°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø22*H12.2mm<br/>           LED Type: 5050RGBW<br/>           Material: PMMA+PC</p>                                |  |
|  | <p><b>Item No.: HL-HC30</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø22*H12.2mm<br/>           LED Type: 5050RGBW<br/>           Material: PMMA+PC</p>                                |  |
|  | <p><b>Item No.: HL-HC1530</b><br/>           Angle: 15*30°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø22*H12.2mm<br/>           LED Type: 5050RGBW<br/>           Material: PMMA+PC</p>                           |  |
|  | <p><b>Item No.: HL-HC2545</b><br/>           Angle: 25*45°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø22*H12.2mm<br/>           LED Type: 5050RGBW<br/>           Material: PMMA+PC</p>                           |  |

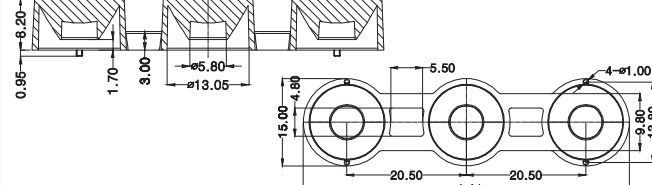
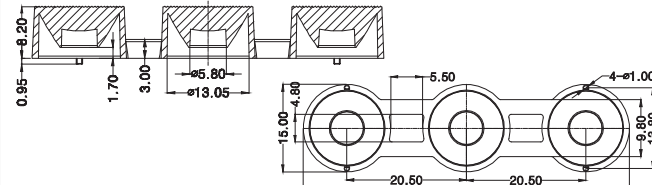
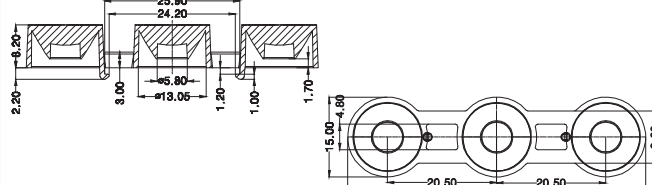
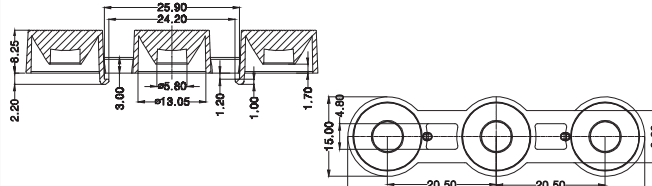
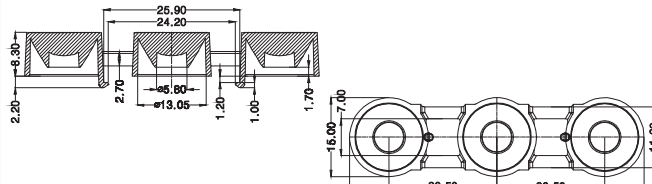
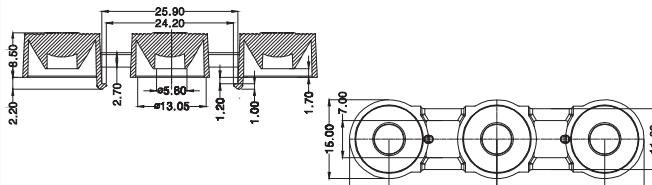
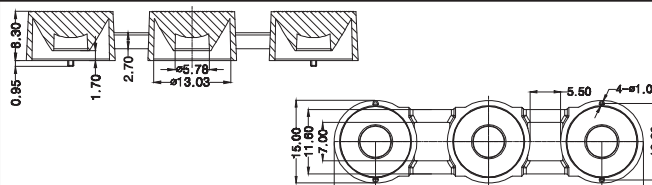
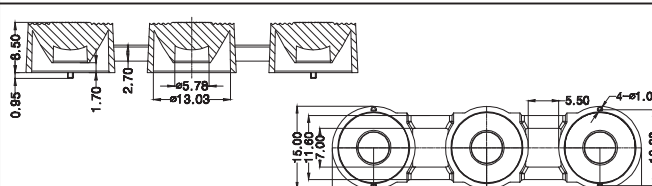
# 混光洗墙透镜(HS系列) Mixed color RGBW wall wash lens (HS series)

|                                                                                     |                                                                                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-HS15</b><br/>Angle: 15°<br/>Surface: Beaded/珠面<br/>Dim.: Ø22.7*H12mm<br/>LED Type: 5050RGBW<br/>Material: PMMA</p>               |    |
|    | <p><b>Item No.: HL-HS20N</b><br/>Angle: 20°<br/>Surface: Beaded/珠面<br/>Dim.: L22**W21.2*H11.6mm<br/>LED Type: 5050RGBW<br/>Material: PMMA</p>       |    |
|    | <p><b>Item No.: HL-HS30N</b><br/>Angle: 30°<br/>Surface: Beaded/珠面<br/>Dim.: L22**W21.2*H11.6mm<br/>LED Type: 5050RGBW<br/>Material: PMMA</p>       |    |
|   | <p><b>Item No.: HL-HS45N</b><br/>Angle: 45°<br/>Surface: Beaded/珠面<br/>Dim.: L22**W21.2*H11.6mm<br/>LED Type: 5050RGBW<br/>Material: PMMA</p>       |   |
|  | <p><b>Item No.: HL-HS60N</b><br/>Angle: 60°<br/>Surface: Beaded/珠面<br/>Dim.: L22**W21.2*H11.6mm<br/>LED Type: 5050RGBW<br/>Material: PMMA</p>       |  |
|  | <p><b>Item No.: HL-HS1525N</b><br/>Angle: 25°30°<br/>Surface: Striped/条纹<br/>Dim.: L22**W21.2*H11.6mm<br/>LED Type: 5050RGBW<br/>Material: PMMA</p> |  |
|  | <p><b>Item No.: HL-HS2045N</b><br/>Angle: 25°40°<br/>Surface: Beaded/珠面<br/>Dim.: L22**W21.2*H11.6mm<br/>LED Type: 5050RGBW<br/>Material: PMMA</p>  |  |
|  | <p><b>Item No.: HL-HS1060N</b><br/>Angle: 25°45°<br/>Surface: Striped/条纹<br/>Dim.: L22**W21.2*H11.6mm<br/>LED Type: 5050RGBW<br/>Material: PMMA</p> |  |

Landscape Lighting Lens

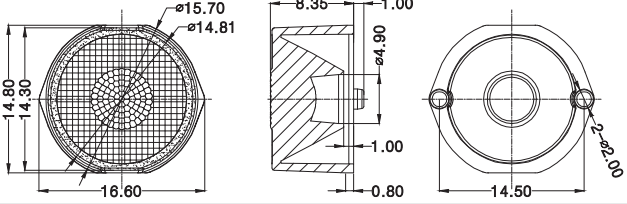
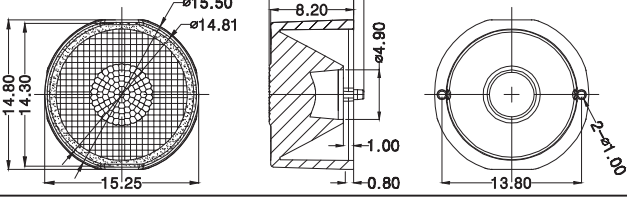
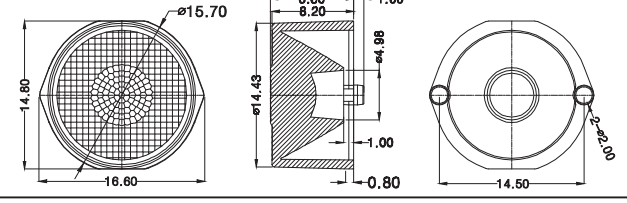
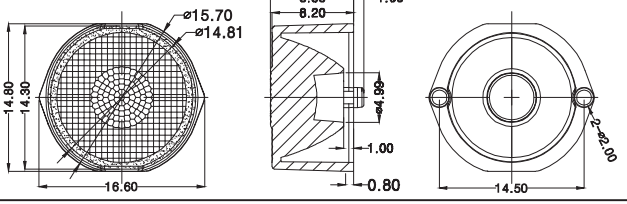
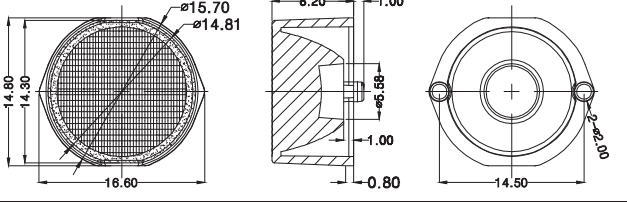
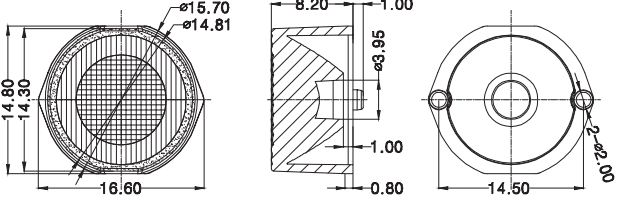
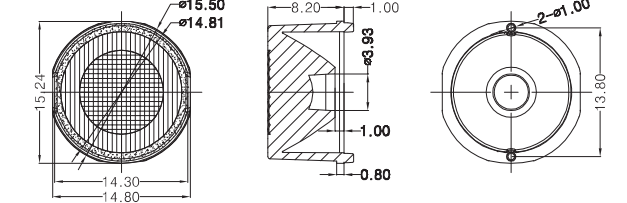
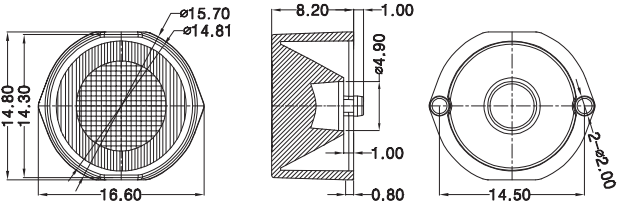


# 线条灯透镜(3合1系列) Linear lens (Linear 3 in 1 series)

|                                                                                     |                                                                                                                                                                                                                                      |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-FS3X1-30D</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: L56*W15*H8.2mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p>                                  |    |
|    | <p><b>Item No.: HL-FS3X1-2545X</b><br/>           Angle: 25°45°<br/>           Surface: Striped/条纹<br/>           Dim.: L56*W15*H8.2mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p>                            |    |
|    | <p><b>Item No.: HL-3X1-30D</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: L56*W15*H8.2mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p>                                    |    |
|   | <p><b>Item No.: HL-3X1-2545</b><br/>           Angle: 25°45°<br/>           Surface: Striped/条纹<br/>           Dim.: L56*W15*H8.25mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p>                              |   |
|  | <p><b>Item No.: HL-3X1-30D-5050</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: L56*W15*H8.3mm<br/>           LED Type: 5050RGBW<br/>           3535RGBW<br/>           Material: PC</p>        |  |
|  | <p><b>Item No.: HL-3X1-2545-5050</b><br/>           Angle: 25°45°<br/>           Surface: Striped/条纹<br/>           Dim.: L56*W15*H8.5mm<br/>           LED Type: 5050RGBW<br/>           3535RGBW<br/>           Material: PC</p>   |  |
|  | <p><b>Item No.: HL-FS3X1-30D-5050</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: L56*W15*H8.3mm<br/>           LED Type: 5050RGBW<br/>           3535RGBW<br/>           Material: PC</p>      |  |
|  | <p><b>Item No.: HL-FS3X1-2545-5050</b><br/>           Angle: 25°45°<br/>           Surface: Striped/条纹<br/>           Dim.: L56*W15*H8.3mm<br/>           LED Type: 5050RGBW<br/>           3535RGBW<br/>           Material: PC</p> |  |

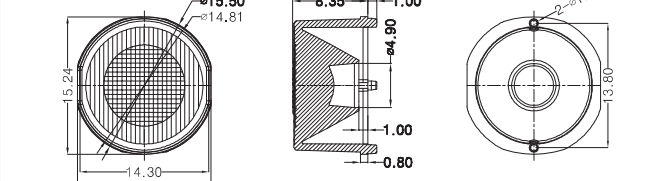
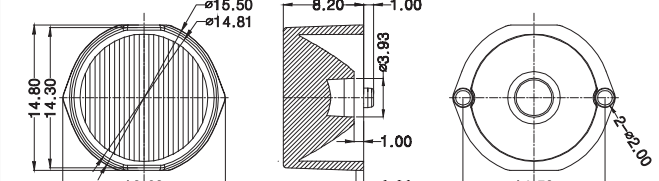
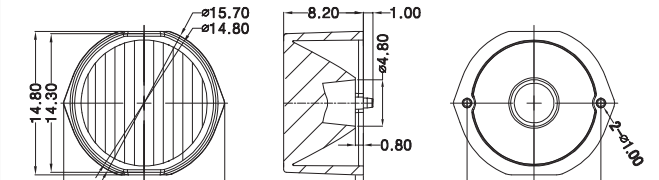
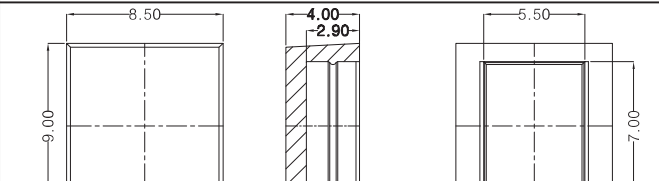
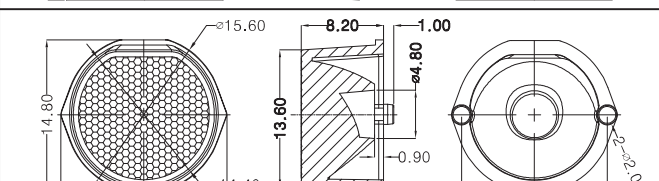
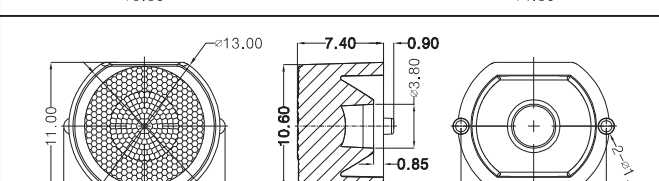
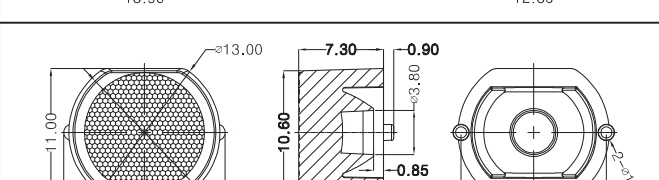
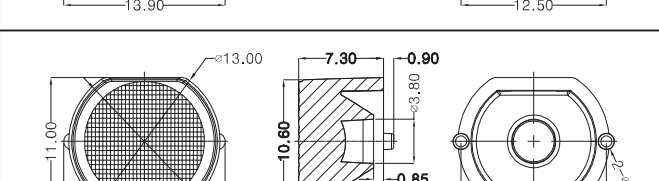
Landscape Lighting Lens

# 线条灯透镜(SG系列) Linear lens (SG series)

|                                                                                     |                                                                                                                                                                                                        |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-SG20</b><br/>           Angle: 20°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø15.7*H8.35mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p>          |    |
|    | <p><b>Item No.: HL-SG20-S</b><br/>           Angle: 20°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø15.5*H8.35mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p>        |    |
|    | <p><b>Item No.: HL-SG30</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø15.7*H8.35mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p>          |    |
|   | <p><b>Item No.: HL-SG45</b><br/>           Angle: 45°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø15.7*H8.35mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p>          |   |
|  | <p><b>Item No.: HL-SG60</b><br/>           Angle: 60°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø15.7*H8.2mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p>           |  |
|  | <p><b>Item No.: HL-SG2030-V</b><br/>           Angle: 20*30°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø15.7*H8.2mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p>   |  |
|  | <p><b>Item No.: HL-SG2030-SH</b><br/>           Angle: 20*30°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø15.5*H8.2mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p>  |  |
|  | <p><b>Item No.: HL-SG2036XM-V</b><br/>           Angle: 20*30°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø15.7*H8.2mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p> |  |

Landscape Lighting Lens

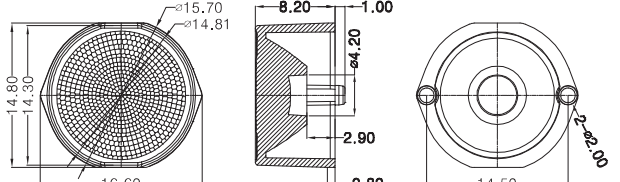
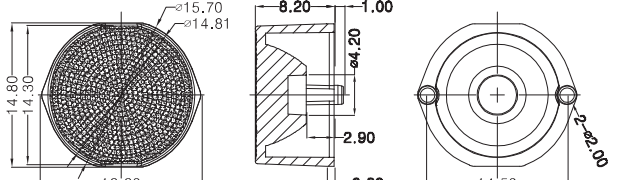
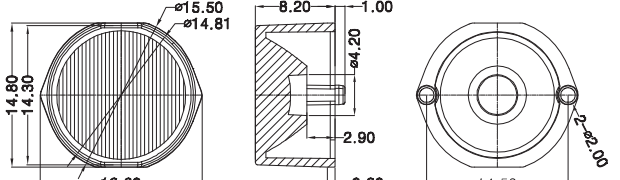
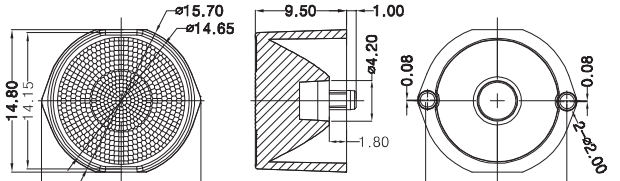
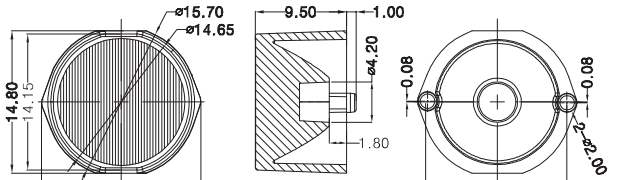
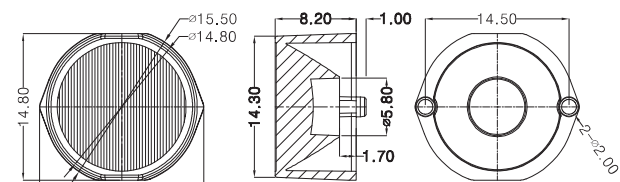
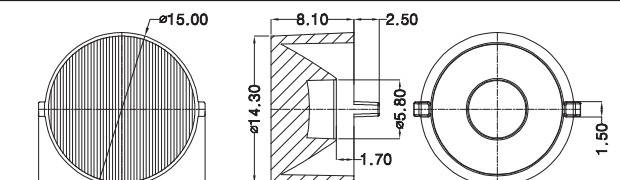
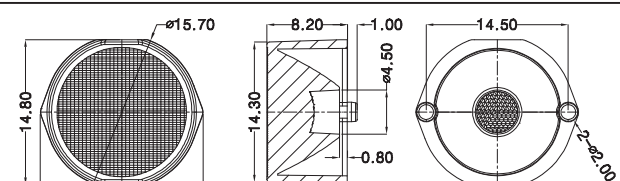
# 线条灯透镜(SG系列) Linear lens (SG series)

|                                                                                     |                                                                                                                                                                                                          |                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-SG2036XM-SH</b><br/>           Angle: 20°30°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø15.5*H8.35mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p> |    |
|    | <p><b>Item No.: HL-SG2050-V</b><br/>           Angle: 20°50°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø15.5*H8.2mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p>     |    |
|    | <p><b>Item No.: HL-SG2545-SV</b><br/>           Angle: 25°45°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø15.7*H8.2mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p>    |    |
|   | <p><b>Item No.: HL-5050FSG-M</b><br/>           Angle: 120°<br/>           Surface: Mirrored/镜面<br/>           Dim.: L9.0*W8.5*H4.0mm<br/>           LED Type: 5050<br/>           Material: PC</p>      |   |
|  | <p><b>Item No.: HL-SG45PL</b><br/>           Angle: 45° 偏光15°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø15.6*H8.2mm<br/>           LED Type: 2835/3030<br/>           Material: PC</p>     |  |
|  | <p><b>Item No.: HL-SSL30</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø13*H7.4mm<br/>           LED Type: 2835<br/>           Material: PC</p>                   |  |
|  | <p><b>Item No.: HL-SSL60</b><br/>           Angle: 60°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø13*H7.3mm<br/>           LED Type: 2835<br/>           Material: PC</p>                   |  |
|  | <p><b>Item No.: HL-SSL3045</b><br/>           Angle: 30°45°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø13*H7.3mm<br/>           LED Type: 2835<br/>           Material: PC</p>              |  |

Landscape Lighting Lens

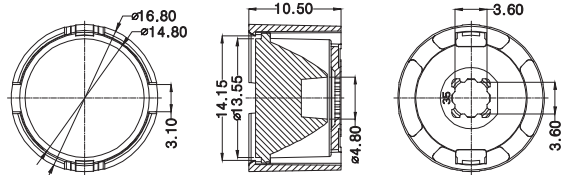
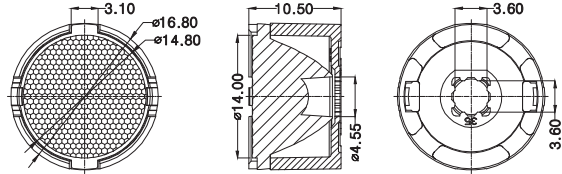
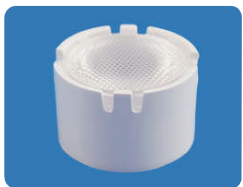
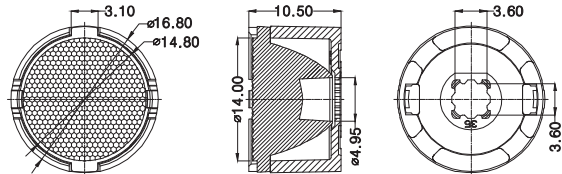
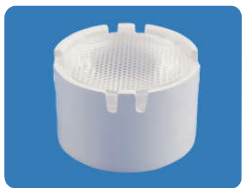
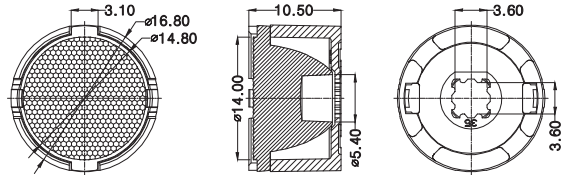
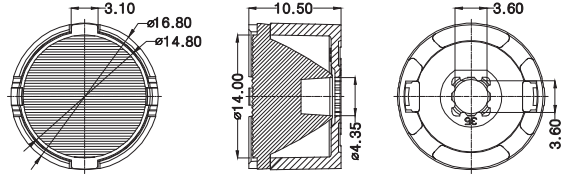
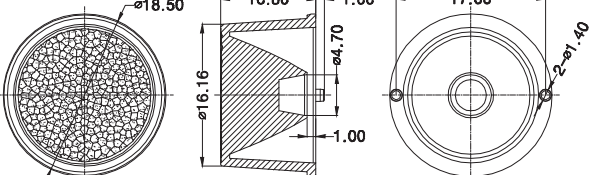
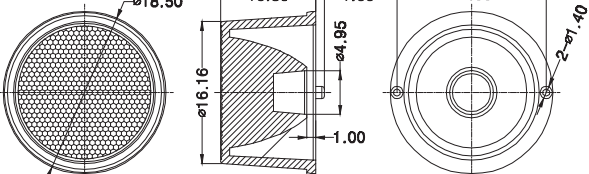
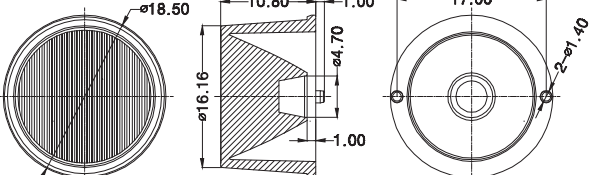


# 线条灯透镜(混光系列) Linear lens (Mixed color RGBW seires)

|                                                                                     |                                                                                                                                                                                                        |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-SH20C-2</b><br/>           Angle: 20°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø15.7*H8.2mm<br/>           LED Type: 3535-RGBW<br/>           Material: PC</p>        |    |
|    | <p><b>Item No.: HL-SH45C</b><br/>           Angle: 45°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø15.7*H8.2mm<br/>           LED Type: 3535-RGBW<br/>           Material: PC</p>          |    |
|    | <p><b>Item No.: HL-SH2050C-V</b><br/>           Angle: 20°*50°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø15.5*H8.2mm<br/>           LED Type: 3535-RGBW<br/>           Material: PC</p> |    |
|   | <p><b>Item No.: HL-SC30</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø15.7*H9.5mm<br/>           LED Type: 5050-RGBW<br/>           Material: PC</p>           |   |
|  | <p><b>Item No.: HL-SC3045-V</b><br/>           Angle: 30°*45°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø15.7*H9.5mm<br/>           LED Type: 5050-RGBW<br/>           Material: PC</p>  |  |
|  | <p><b>Item No.: HL-SG2045C-V</b><br/>           Angle: 35°*50°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø15.5*H8.2mm<br/>           LED Type: 3535RGB<br/>           Material: PC</p>   |  |
|  | <p><b>Item No.: HL-SX2045-1508</b><br/>           Angle: 35°*50°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø15.0*H8.1mm<br/>           LED Type: 3535RGB<br/>           Material: PC</p> |  |
|  | <p><b>Item No.: HL-SH2045C-V</b><br/>           Angle: 25°*45°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø15.7*H8.2mm<br/>           LED Type: 3030RGBW<br/>           Material: PC</p>   |  |

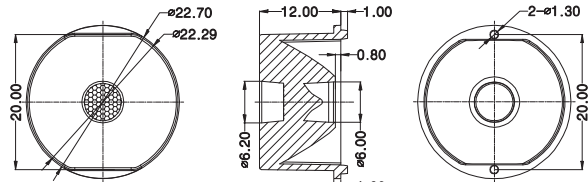
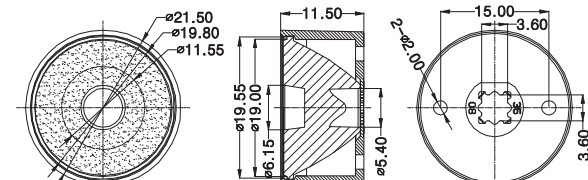
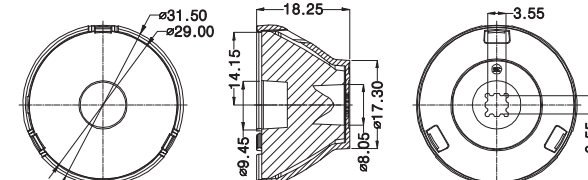
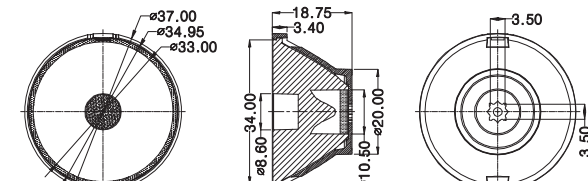
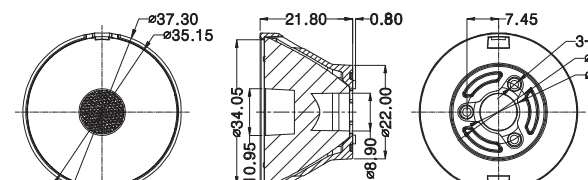
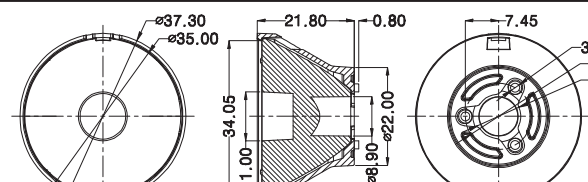
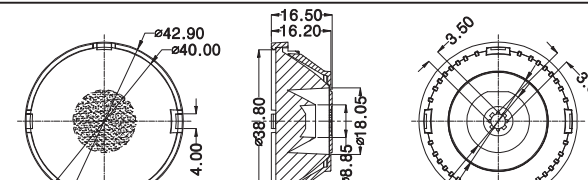
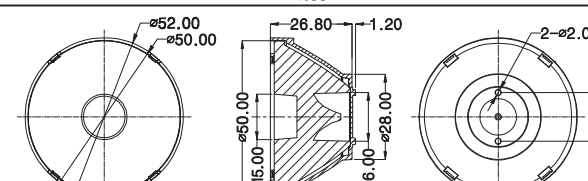
Landscape Lighting Lens

## MINI透镜 MINI lens

|                                                                                     |                                                                                                                                                                                                                   |                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-XP0115P-1509</b><br/>           Angle: 15°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø16.8*H10.5mm<br/>           LED Type: 3535<br/>           Material: PMMA+PC</p>           |    |
|    | <p><b>Item No.: HL-XP0125L-1509N</b><br/>           Angle: 25°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø16.8*H10.5mm<br/>           LED Type: 3535<br/>           Material: PMMA+PC</p>            |    |
|    | <p><b>Item No.: HL-XP0140L-1509</b><br/>           Angle: 40°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø16.8*H10.5mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA+PC</p>        |    |
|   | <p><b>Item No.: HL-XP0160L-1509</b><br/>           Angle: 60°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø16.8*H10.5mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA+PC</p>        |   |
|  | <p><b>Item No.: HL-XP011545XM-1509</b><br/>           Angle: 15°40°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø16.8*H10.5mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA+PC</p> |  |
|  | <p><b>Item No.: HL-ET20L</b><br/>           Angle: 20°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø18.5*H10.8mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>                  |  |
|  | <p><b>Item No.: HL-ET45L</b><br/>           Angle: 45°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø18.5*H10.8mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>                  |  |
|  | <p><b>Item No.: HL-ET1550X</b><br/>           Angle: 20°45°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø18.5*H10.8mm<br/>           LED Type: 3030/3535<br/>           Material: PMMA</p>            |  |

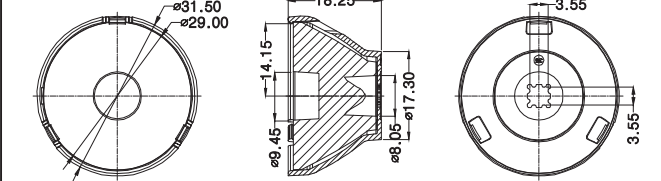
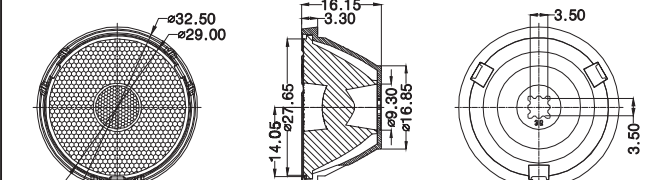
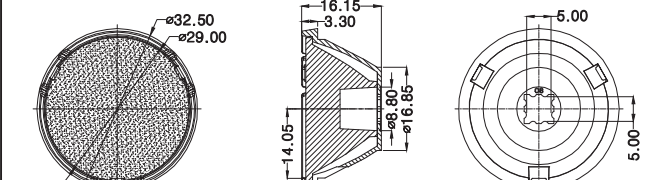
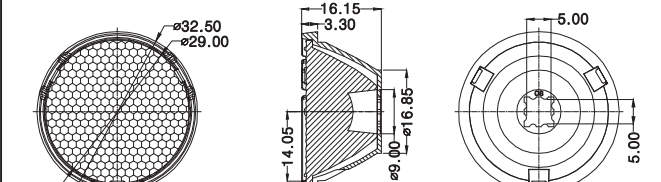
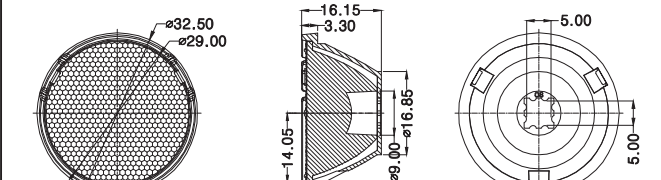
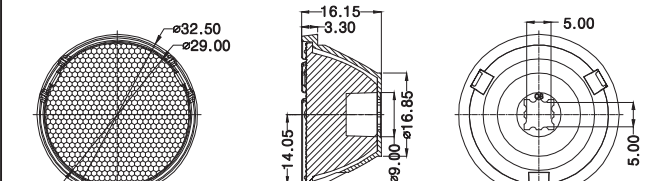
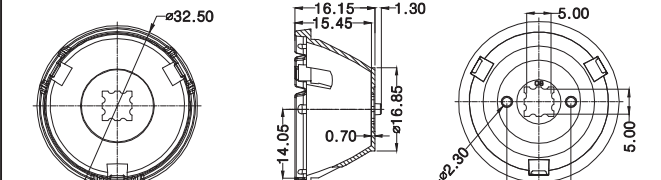
Landscape Lighting Lens

# 投光灯透镜(小角度系列) Flood light lens (Small angle series)

|                                                                                     |                                                                                                                                                            |                                                                                      |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-HGX06P</b><br/> Angle: 6°<br/> Surface: Mirrored/镜面<br/> Dim.: Ø22.7*H12mm<br/> LED Type: 3535<br/> Material: PMMA</p>                  |    |
|    | <p><b>Item No.: HL-XP08D</b><br/> Angle: 8°<br/> Surface: Frosting/雾面<br/> Dim.: Ø21.5*H11.5mm<br/> LED Type: 3535<br/> Material: PMMA+PC</p>              |    |
|    | <p><b>Item No.: HL-2914-5D</b><br/> Angle: 5°<br/> Surface: Mirrored/镜面<br/> Dim.: Ø31.5*H18.25mm<br/> LED Type: 3535/XML<br/> Material: PMMA+PC</p>       |    |
|   | <p><b>Item No.: HL-P3-N</b><br/> Angle: 4°<br/> Surface: Mirrored/镜面<br/> Dim.: Ø37*H18.75mm<br/> LED Type: 3535/XML<br/> Material: PMMA+PC</p>            |   |
|  | <p><b>Item No.: HL-P3G</b><br/> Angle: 3°<br/> Surface: Mirrored/镜面<br/> Dim.: Ø37.3*H21.8mm<br/> LED Type: 3535/XML<br/> Material: PMMA+PC</p>            |  |
|  | <p><b>Item No.: HL-P3G-P7</b><br/> Angle: 3°<br/> Surface: Mirrored/镜面<br/> Dim.: Ø37.3*H21.8mm<br/> LED Type: Osram P7<br/> Material: PMMA+PC</p>         |  |
|  | <p><b>Item No.: HL-TX02-4316</b><br/> Angle: 2°<br/> Surface: Mirrored/镜面<br/> Dim.: Ø42.9*H16.5mm<br/> LED Type: LUXEON Z/3535<br/> Material: PMMA+PC</p> |  |
|  | <p><b>Item No.: HL-TX03-5025</b><br/> Angle: 3°<br/> Surface: Mirrored/镜面<br/> Dim.: Ø52*H26.8mm<br/> LED Type: 3535/XML/XHP-H1<br/> Material: PMMA+PC</p> |  |

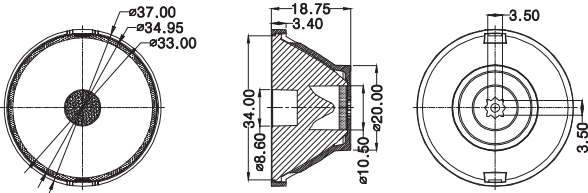
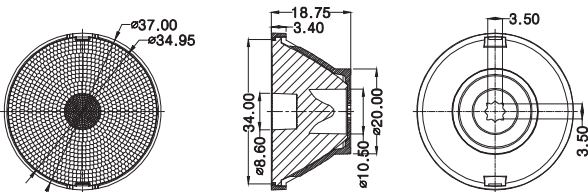
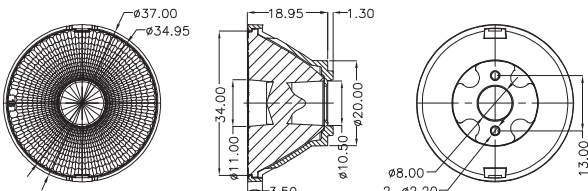
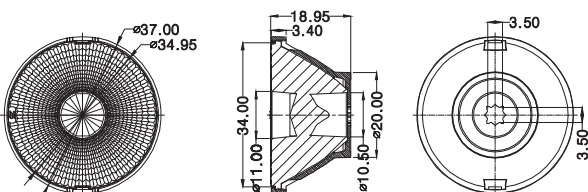
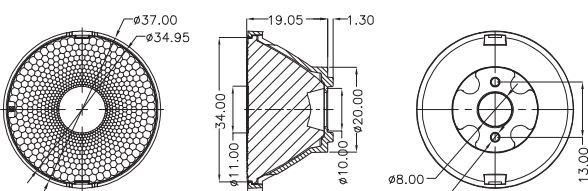
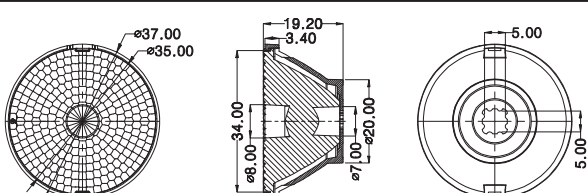
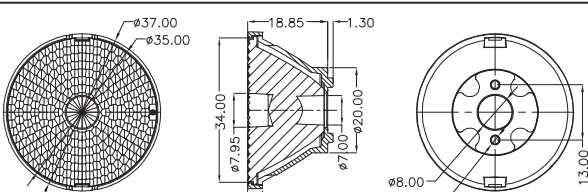
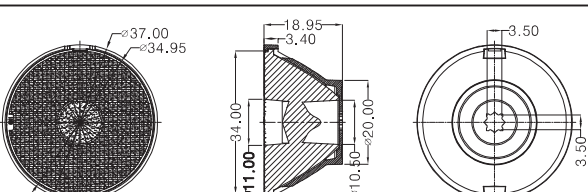


# 投光灯透镜(30支架透镜系列) Flood light lens (30 diameter series)

|                                                                                     |                                                                                                                                                                                                            |                                                                                      |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-2914-5D</b><br/>           Angle: 5°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø31.5*H18.25mm<br/>           LED Type: 3535<br/>           Material: PMMA+PC</p>         |    |
|    | <p><b>Item No.: HL-2914-15D</b><br/>           Angle: 15°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø32.5*H16.15mm<br/>           LED Type: 3535/XML<br/>           Material: PMMA+PC</p>     |    |
|    | <p><b>Item No.: HL-29P-2</b><br/>           Angle: 15°<br/>           Surface: Frosting/雾面<br/>           Dim.: Ø32.5*H16.15mm<br/>           LED Type: 3535/XML<br/>           Material: PMMA+PC</p>      |    |
|   | <p><b>Item No.: HL-MTG0138L</b><br/>           Angle: 20°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø32.5*H16.15mm<br/>           LED Type: 3535/XML<br/>           Material: PMMA+PC</p>     |   |
|  | <p><b>Item No.: HL-MTG0138L2914</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø32.5*H16.15mm<br/>           LED Type: 3535/XML<br/>           Material: PMMA+PC</p> |  |
|  | <p><b>Item No.: HL-MTG0160L2914</b><br/>           Angle: 60°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø32.5*H16.15mm<br/>           LED Type: 3535/XML<br/>           Material: PMMA+PC</p> |  |
|  | <p><b>Item No.: HL-XM29-2</b><br/>           Dim.: Ø32.5*H16.15mm<br/>           LED Type: 5050/3535<br/>           Material: PC</p>                                                                       |  |

Landscape Lighting Lens

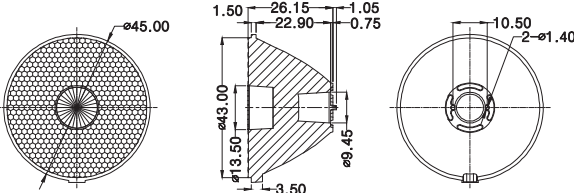
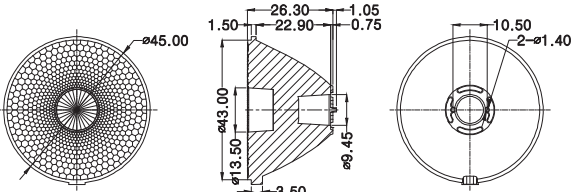
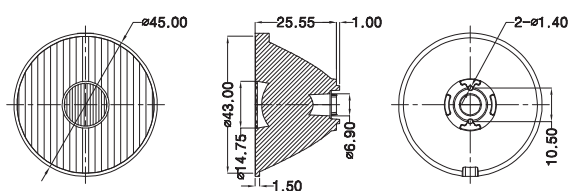
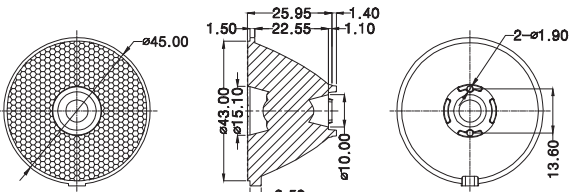
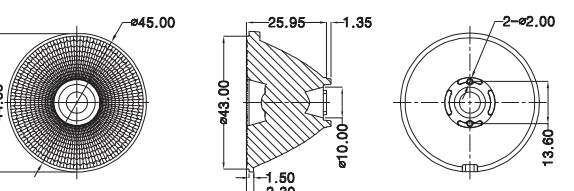
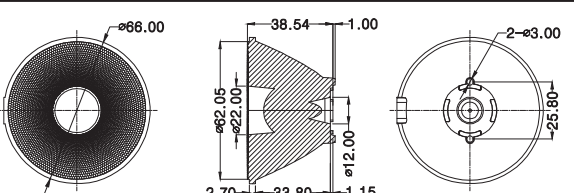
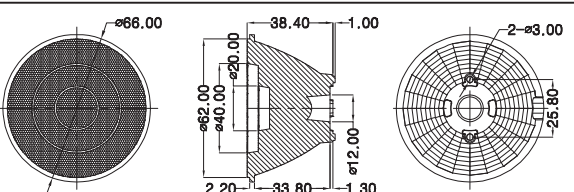
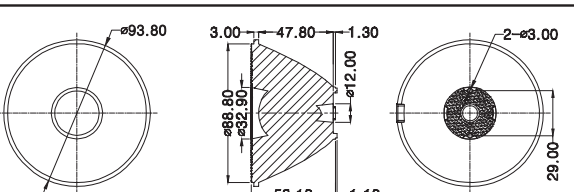
# 投光灯透镜(P3N系列) Flood light lens (P3N series)

|                                                                                     |                                                                                                                                                                                                          |                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-P3-N</b><br/>           Angle: 4°<br/>           Surface: Mirrored/镜面<br/>           Dim.: Ø37*H18.75mm<br/>           LED Type: 3535/XML<br/>           Material: PMMA+PC</p>        |    |
|    | <p><b>Item No.: HL-P3N-8D</b><br/>           Angle: 8°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø37*H18.75mm<br/>           LED Type: 3535RGBW/XML/P8<br/>           Material: PMMA+PC</p> |    |
|    | <p><b>Item No.: HL-P3N-15D</b><br/>           Angle: 15°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø37*H18.85mm<br/>           LED Type: 3535/XML/P8<br/>           Material: PMMA+PC</p>   |    |
|   | <p><b>Item No.: HL-P3N-25D</b><br/>           Angle: 25°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø37*H18.95mm<br/>           LED Type: 3535/XML/P8<br/>           Material: PMMA+PC</p>   |   |
|  | <p><b>Item No.: HL-P3N-30</b><br/>           Angle: 30°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø37*H19.05mm<br/>           LED Type: 3535/XML/P8<br/>           Material: PMMA+PC</p>    |  |
|  | <p><b>Item No.: HL-P3N-45D</b><br/>           Angle: 45°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø37*H19.2mm<br/>           LED Type: 3535/XML/P8<br/>           Material: PMMA+PC</p>    |  |
|  | <p><b>Item No.: HL-P3N-60D</b><br/>           Angle: 60°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø37*H18.85mm<br/>           LED Type: 3535/XML/P8<br/>           Material: PMMA+PC</p>   |  |
|  | <p><b>Item No.: HL-P3N-1030</b><br/>           Angle: 10°30'<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø37*H18.95mm<br/>           LED Type: 3535/XML<br/>           Material: PMMA+PC</p>  |  |

Landscape Lighting Lens

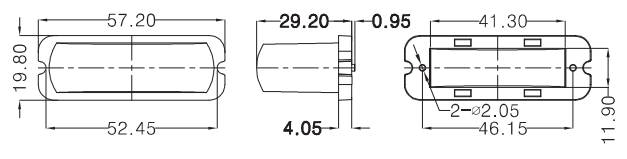
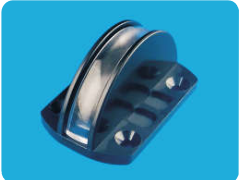
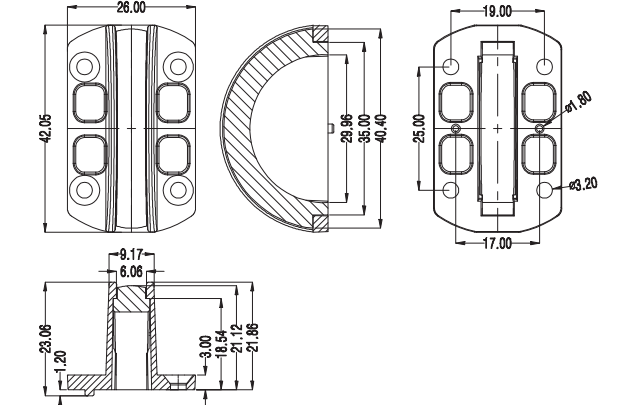
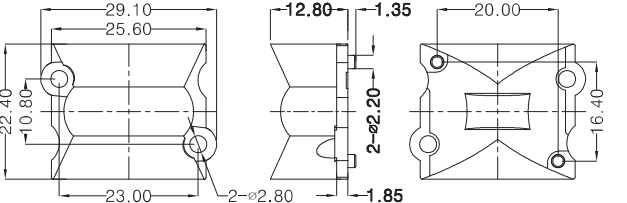
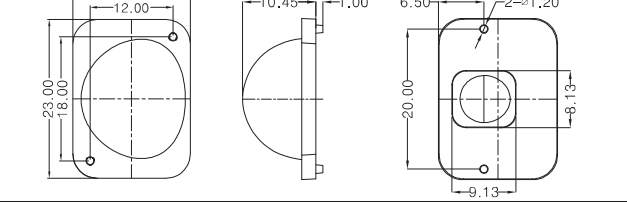
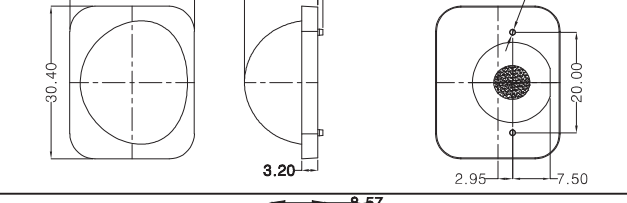
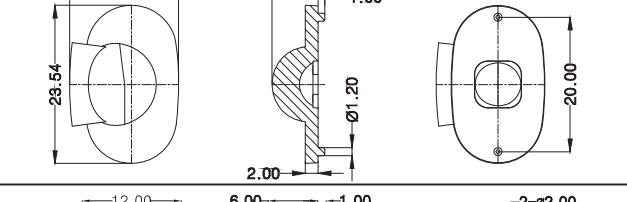
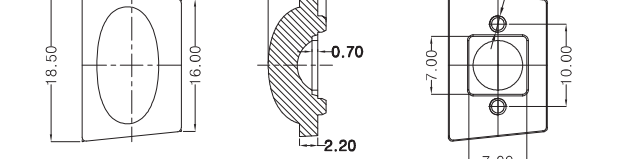
# 投光灯透镜(高功率混光系列) Flood light lens(High power mixed light series)

Landscape Lighting Lens

|                                                                                     |                                                                                                                                                                                                                |                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Item No.: HL-XM08D-4526</b><br/>           Angle: 8°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø45*H26.15mm<br/>           LED Type: XML<br/>           Material: PMMA</p>                  |    |
|    | <p><b>Item No.: HL-XM25D-4526</b><br/>           Angle: 25°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø45*H26.3mm<br/>           LED Type: XML<br/>           Material: PMMA</p>                  |    |
|    | <p><b>Item No.: HL-XM1045X-4526</b><br/>           Angle: 10*45°<br/>           Surface: Striped/条纹<br/>           Dim.: Ø45*H25.55mm<br/>           LED Type: XML/OSTAR-15W<br/>           Material: PMMA</p> |    |
|   | <p><b>Item No.: HL-OS08L-4526</b><br/>           Angle: 8°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø45*H25.95mm<br/>           LED Type: OSTAR 15W<br/>           Material: PMMA</p>            |   |
|  | <p><b>Item No.: HL-OS15D-4526</b><br/>           Angle: 15°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø45*H25.95mm<br/>           LED Type: 5060RGBW<br/>           Material: PMMA</p>            |  |
|  | <p><b>Item No.: HL-OS05D-6639</b><br/>           Angle: 5°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø66*H38.54mm<br/>           LED Type: OSTAR 15W-40W<br/>           Material: PMMA</p>        |  |
|  | <p><b>Item No.: HL-TX20D-6538</b><br/>           Angle: 20°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø66*H38.4mm<br/>           LED Type: OSTAR 60W<br/>           Material: PMMA</p>            |  |
|  | <p><b>Item No.: HL-9451L-5D-3</b><br/>           Angle: 5°<br/>           Surface: Beaded/珠面<br/>           Dim.: Ø93.8*H53.1mm<br/>           LED Type: OSTAR 60W<br/>           Material: PMMA</p>           |  |



## 窗台灯、护栏灯透镜 Windowsill /Guardrail lens

|                                                                                                                                                                            |                                                                                                                           |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|                                                                                           | <p><b>Item No.: HL-CT03120D</b><br/>Angle: 3*120°<br/>Dim.: L57.2*W19.8*H29.2mm<br/>LED Type: 3535<br/>Material: PMMA</p> |    |
| <br><br> | <p><b>Item No.: HL-CT04120D</b><br/>Angle: 120°<br/>Dim.: L42.05*W26*H15mm<br/>LED Type: XPE/3535<br/>Material: PC</p>    |    |
|                                                                                          | <p><b>Item No.: HL-CTD</b><br/>Angle: 12*120°<br/>Dim.: L29.1*W22.4*H12.8mm<br/>LED Type: 3535<br/>Material: PC</p>       |   |
|                                                                                         | <p><b>Item No.: HL-HLD-3</b><br/>Angle: 10*130°<br/>Dim.: L23*W17*H10.45mm<br/>LED Type: 3535/3030<br/>Material: PC</p>   |  |
|                                                                                         | <p><b>Item No.: HL-GR10100</b><br/>Angle: 10*100°<br/>Dim.: L30.4*W24.8*H15mm<br/>LED Type: 3535<br/>Material: PC</p>     |  |
|                                                                                         | <p><b>Item No.: HL-HLD-2</b><br/>Angle: 30*100°<br/>Dim.: L23.54*W16.22*H8.57mm<br/>Material: PMMA</p>                    |  |
|                                                                                         | <p><b>Item No.: HL-KT15165</b><br/>Angle: 15*160°<br/>Dim.: L18.5*W12*H6mm<br/>LED Type: 3535/3030<br/>Material: PC</p>   |  |



LED照明●机器人视觉●激光  
非球面树脂镜片●个性化定制  
光学方案●模具●成型

不求在一次交易中获利，寻求建立长期合作伙伴关系。

We don't want to make one profit in one business, the main idea which is seeking to establish a long-term partner relationship.

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