



# 产品规格书

Product Datasheet

产品名称 Description	PS 六角防眩光板 Hexagon Prismatic PS Diffuser Sheet	
产品编号 Model No.	JK-PSLZB	
版本号 Version #	00	
江门市坤鑫新材料科技有限公司 Jiangmen Kunxin New Material Technology CO.,LTD  <a href="http://www.chinaacrylicsheet.com">www.chinaacrylicsheet.com</a>		
制定 Originator	审核 Checked by	批准 Approved by



## 1. 产品描述 Product Description

A.六角棱锥体方防眩光扩散板表面纹理呈现出凹六边形，锥形底，结构一致，匀质量外观；

Hexagon Prism diffuser with Concave hexagon,cone bottom,takes on homogeneous look due to unidirectional structure;

B.科学的结构设计,明确界定光照范围，平均光束角 85 度（首尔光源），辅助提高灯具光效的同时合理的抑制灯具辉度；

Scientific designed structure,well defined lamp direction with average beam angle 85 degree,assist to improve the light efficiency and reasonable glare suppression;

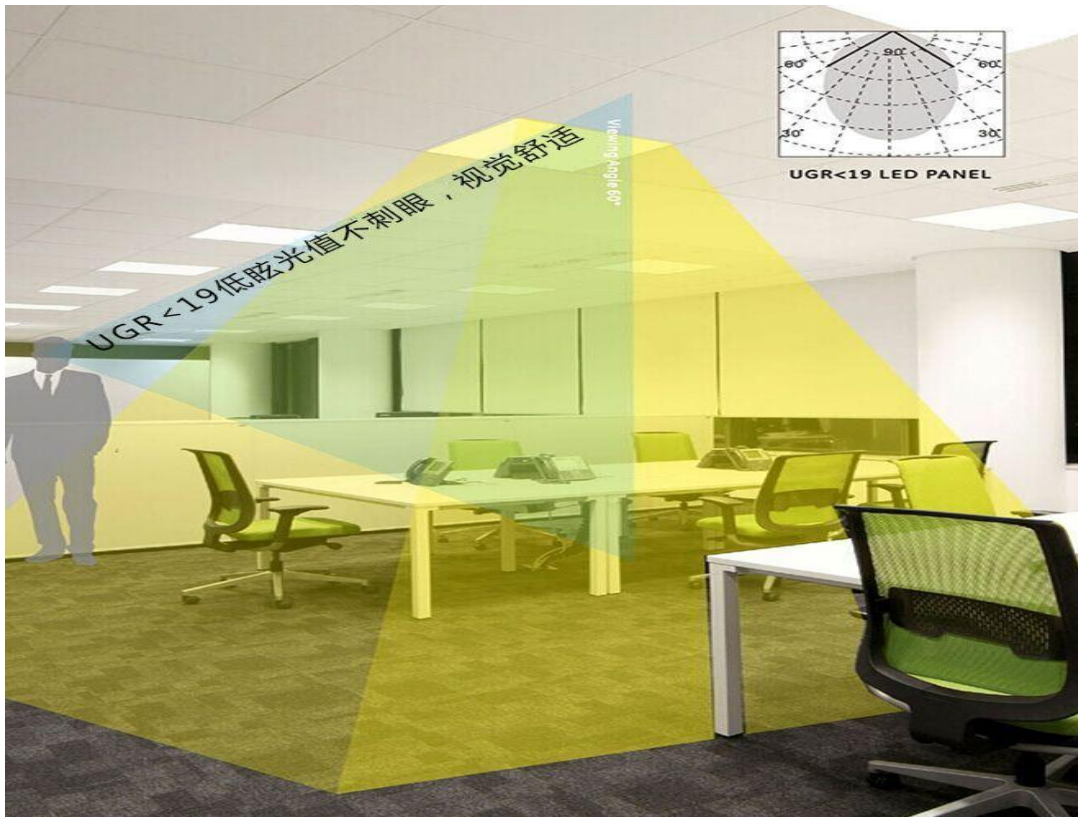
.每个 C 面都可以减少眩光，特别适用于办公照明等要求照明眩光值 (UGR)<19 的产品，典型的如 LED 面板灯；

Homogeneous glare reduction in all C-levels,excellent for workstations required lighting application UGR<19,for example LED Panel light;

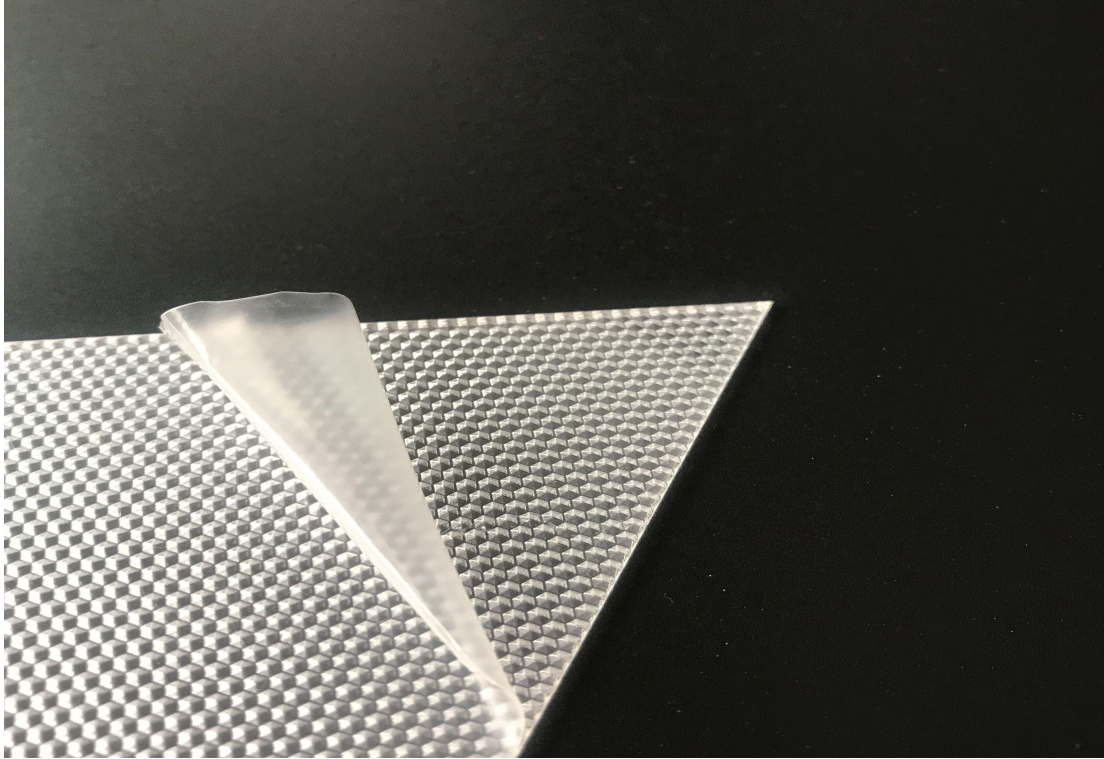
D.同等条件下，透光率明显高于市场磨砂或者橘皮扩散板，同时有效抑制眩光值，是传统扩散板的技术革新；

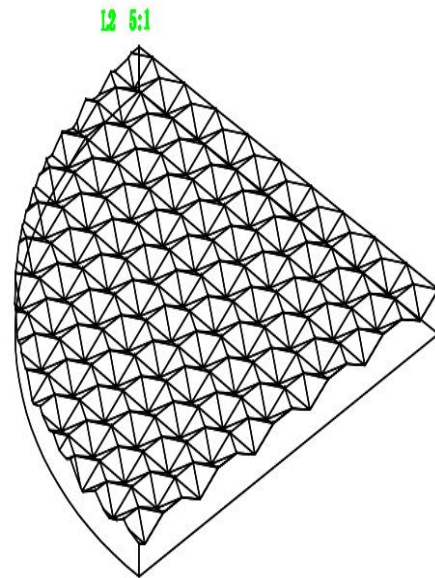
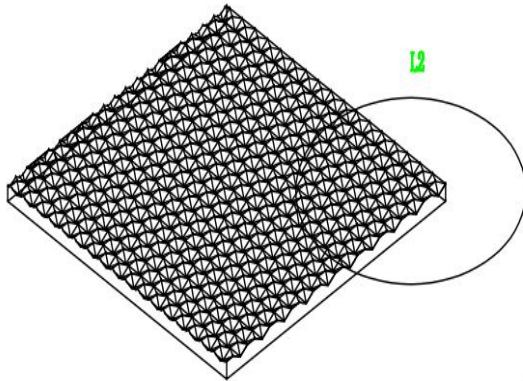
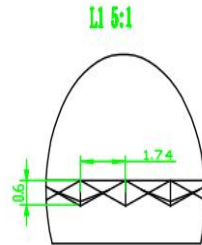
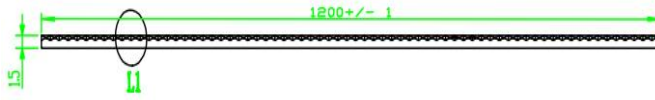


On equal conditions, the light transmittance is obvious higher than traditional matte or orange peel texture diffusion sheet, at the same time effectively suppress the glare value,



2. 产品图片 Product Photograph:





### 3. 产品组成 Product Ingredient:

产品成份 Ingredients:

1. 聚苯乙烯 (PS)

2. PE 保护膜保护 (PE protection film)



#### 4. 产品性能 Characteristics

##### 1) 产品材料特性 Material characteristics

项目 Item	试验法 Test Method	单位 Unit	Value(PS Sheet)
透光率 transmission rate	透光仪 Transmissometer	%	76%-78%
雾度 Haze	透光仪 Transmissometer	%	91%-92%
吸水率 water adsorption	ASTM D570-98	%	0.3
热变形温度 Distortion temperature	ASTM D648-07	°C	75.00
维卡软化温度 vicat softening temperature	ASTM D1525-09	°C	88
延伸率 Tensile elongation	ASTMD638 1/8", 6mm/min	%	2.0
引张强度 Tensile Strength	ASTMD638 1/8", 6mm/min	KG/CM2 (IB/IN2)	270 (3830)
洛氏硬度 (HRR)	ASTM D785-08	R Scale	67
燃烧性 flammability	UL 94-1996		可燃性 1/16" HB
比重 Specific Gravity	ASTM D792		1.05
防眩光值	UGR		≤19





## 2) 结构尺寸 Dimension

尺寸 Dimension (L×W×T)		
长 (L)	宽 (W)	厚 (T)
1200mm	1200mm	1.2/1.5/2.0
Pattern	Concave hexagon, cone bottom	
Depth	0.6mm	
注：可根据客户不同模具需求，开好需要尺寸。 Note: according to customer demand for different mold, build the required size		

## 3) 温度范围 temperature range

- A. 储藏温度 storage temperature: 25°C±10。
- B. 长期使用环境温度 Long term use environment temperature: 0~80°C
- C. 空气相对湿度 relative air humidity: 45%~75%。

## 4) 使用事项 (Application attention)

配合扩散膜，微结构导光板使用，棱锥扩散板位于最外层，纹理朝外；扩散膜位于中层，纹理同样朝外，导光板位于最下层，微结构面朝内。

If use for side lighting fixtures, In conjunction with diffusion film and light guide plate, Hexagon Prism diffuser positioned in outer layer with the texture facing away from the led or lamp; diffusion film located in the middle layer with the microstructure facing away from the led or lamp also; the light guide plate placed on the bottom layer with the texture side placed contrary to prism sheet and diffusion film.

If use for back-lit fixtures, suggest two layer structure, that's mean to ues together with normal diffuser sheet or film.