

## Specifications

### 产品规格书

DESCRIPTION : Diffuser

产品名称: 扩散板

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## 1. 实物图 Picture of real products



## 2. 产品特点 Products Feature

1) 扩散板透光率达 70% 以上，比普通乳白板高出 20%；在没有光源的情况下，亦能显示出卓越的亮度；

Diffuser light transmittance is up to above 70%, which is 20% higher than common milky plate. It can also show outstanding brightness without light source.

2) 能使光源充分散射，在画面上不会形成残留影像，使画面更逼真；

Diffuser can make light source diffused adequately, without leaving residual image on the screen and be true to life.

3) 扩散板能充分散射 LED 灯源传统日光灯灯源由于用电量高，运行成本高，而改用 LED 灯源和光扩散板后，能节约 80% 以上的电费；

Diffuser can fully scatter LED light source. Light source of traditional daylight lamp is high power consumption and running cost. Using diffuser and LED light source, power consumption is saved more than 80%.

4) 抗冲击性能强，安装、运输过程中不易损坏。

High impact strength, not easy to damage in the process of installation and transportation.

5) 阻燃等级比亚克力板材高，安全性能更高。

Higher flame retardant rating than acrylic plate, better safety performance.

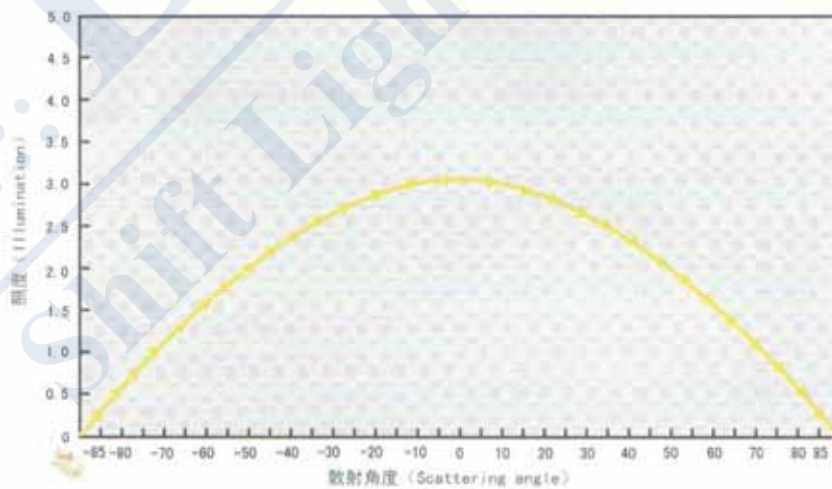
6) 耐温性为 -40 ~ +125 不会由于灯源的长期照射下，产生变形现象。

With -40 ~ +125 temperature tolerance, can't distort under long-term lighting.

### 3. 物理性能 Physical performance

项目 Item		扩散板 Diffuser
雾度 Fog Level		92
透光率 Light Transmittance		82
辉度 Brilliancy		8100
透射颜色 Transmission Color	X	0.3300
	Y	0.3427
扩散率 Diffusivity		0.6
厚度 Thickness		2.0

### 4. 光扩散性能 Light-diffusion performance



## 5. 应用实例 Application

### 1) LED 平板灯 LED light panel



### 2) LED 栅格灯 LED grid lamp



### 3) LED 筒灯 LED Down Lamp

With frosted glass



加磨砂玻璃

显色指数减少1.32%  
光效降低20.1%  
存在眩目、光环问题

Bare lamp



裸灯

With diffuser



加扩散板

显色指数减少0.29%  
光效降低15.2%  
光线柔和、均匀

1.32% reduction of color rendering index  
Bring down 20.1% of lighting effect  
Existing problems of glaring and glory

0.29% reduction of color rendering index  
Bring down 15.2% of lighting effect  
Giving a soft and uniform light