

产品信息

PLEXIGLAS® LED white 0V606

产品概述:

宝克力® LED white 0V606 是基于宝克力®7N, 7H或者抗冲zk6BR的模塑料, 具有光散射特性。

PLEXIGLAS® 模塑料常见的性能如下:

- 强耐候性
- 高表面硬度和抗刮擦性

PLEXIGLAS® LED white 0V606 特殊性能即当有强LED背光时具有均匀的光分布和高的透过率, 该性能在灯罩和LED光源之间距离较小而且具有最佳的元件材料厚度的情况下得到证明。该材料在反射光照射下呈现光学白色。

应用:

以不同模塑料基体的 PLEXIGLAS® LED white 0V606 的配色适于采用注塑, 挤出和注塑吹塑的方法制的用于 LED 背光的照明产品。

产品性能:

应用实例:

照明灯罩, LED导光棒, 灯泡, 外观照明和照明开关

加工方法:

需考虑基体模塑料产品的有关加工方法

模塑料物理形态/包装:

PLEXIGLAS® LED white 0V606 可采用任何的模塑料基体, 是粒径均匀的粒料, 以双层聚乙烯袋每25公斤包装, 也可应顾客要求包装。

订单例子:

PLEXIGLAS® LED zk6BR white 0V606

测角仪:

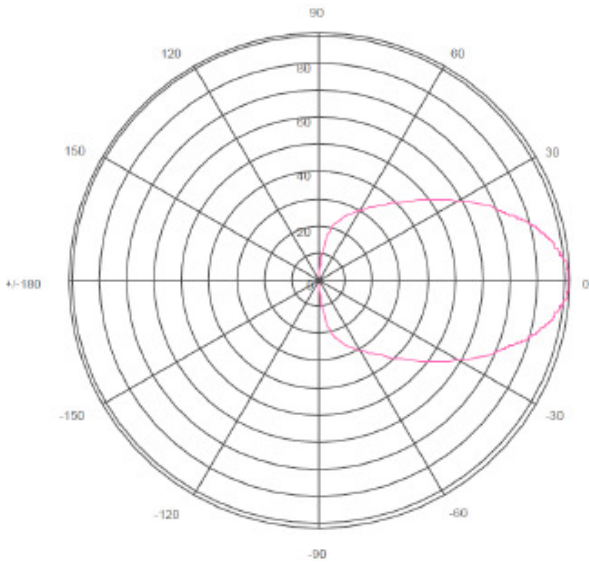
测角仪测试半角值和散射率随PLEXIGLAS® LED white 0V606产品厚度变化情况

材料厚度

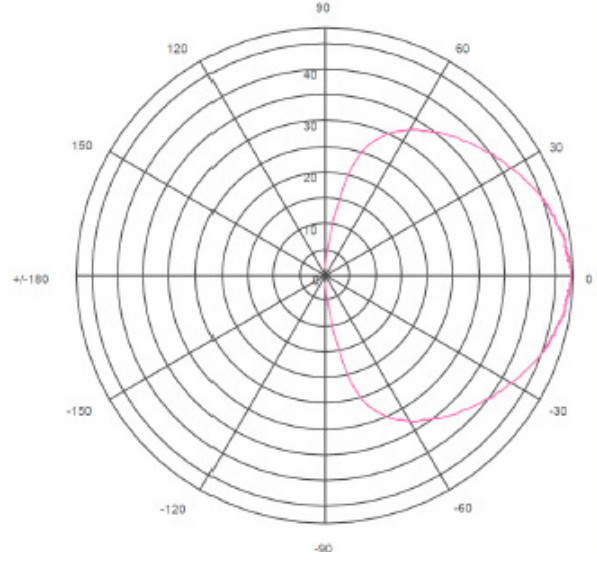
	参数	单位	标准	1mm	2mm	3mm	4mm
光透过率	D65	%	ISO 13468-2	71	52	44	37
半角值		°	DIN 5036	37	69	74	75
散射率			DIN 5036	0.48	0.70	0.76	0.78
最大亮度		cd/m ²		91	48	39	34

测角仪极坐标图:

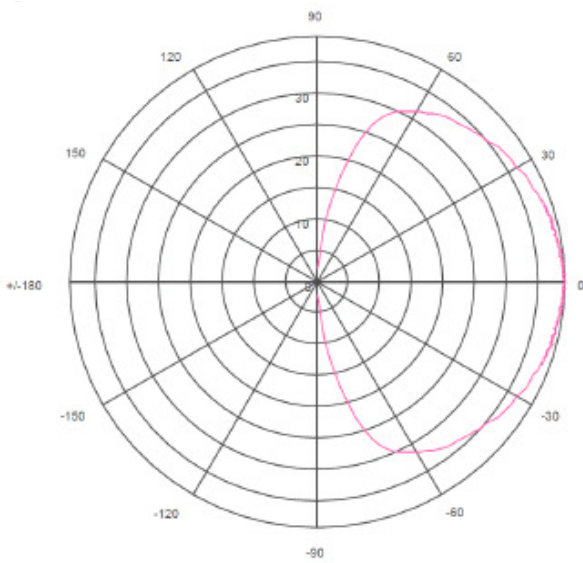
PLEXIGLAS® LED white 0V606 的亮度[cd/m²]根据测量角[°]变化图谱。



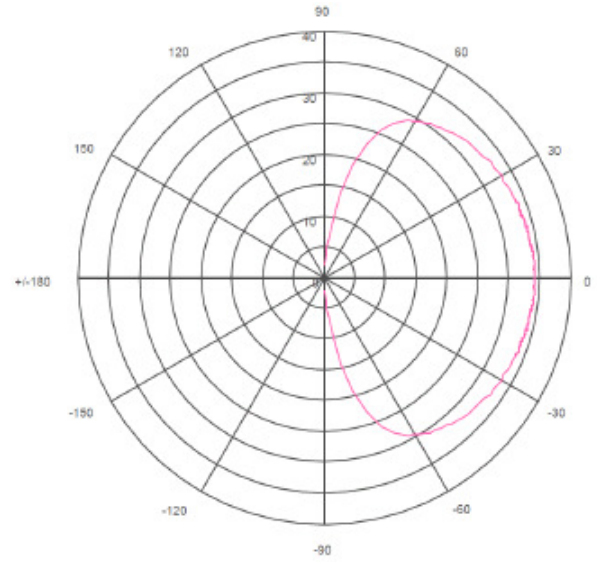
材料厚度 1mm



材料厚度 2mm



材料厚度 3mm

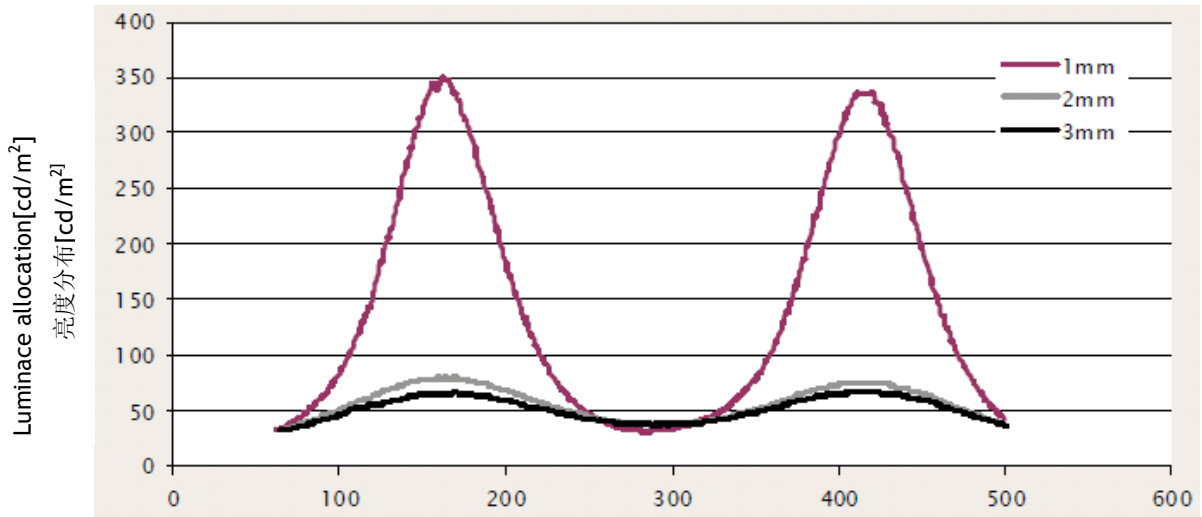


材料厚度 4mm

LED 背光下的光分布:

PLEXIGLAS® LED white 0V606 模塑料到 LED 照明光源的距离是 5mm。
亮度分布测量了材料厚度分别为 1mm, 2mm, 3mm 的样品。

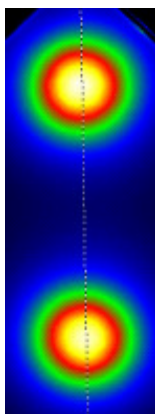
LED: OSRAM Diamond DRAGON LUW W5AP
测试设置: 赢创.罗姆



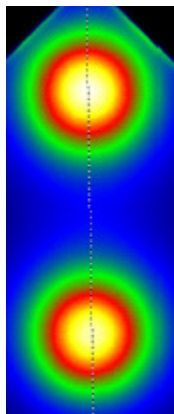
Distance of the LEDs in image pixels=3 cm

LED 在图像像素中的距离是 3cm

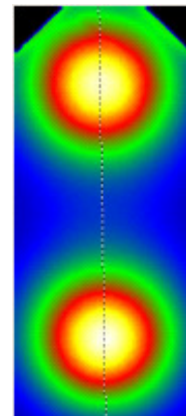
用伪色来表征亮度分布:



1mm



2mm



3mm

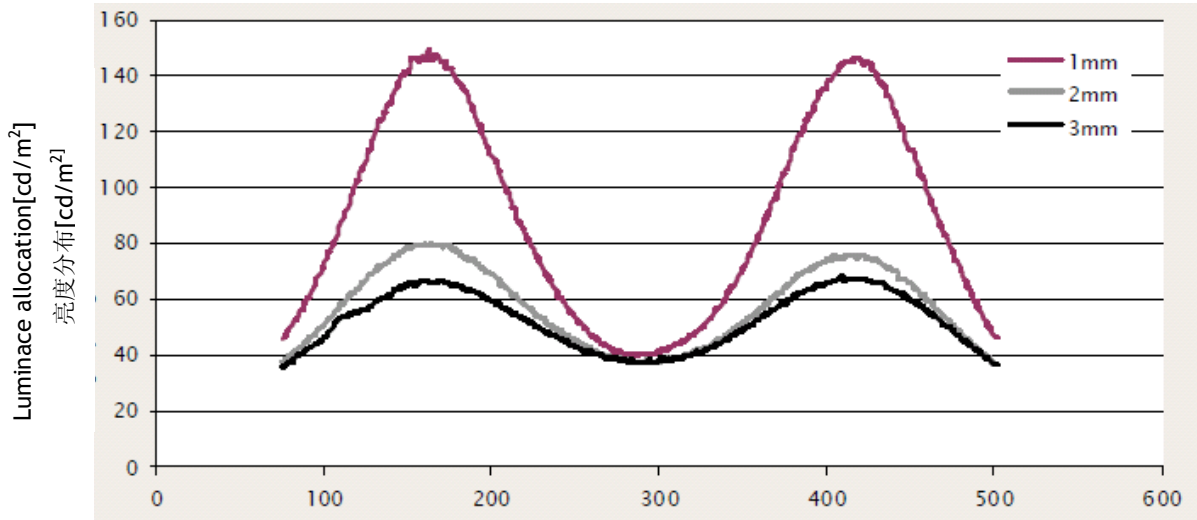
LED 背光下的光分布:

PLEXIGLAS® LED white 0V606 模塑料到 LED 照明光源的距离是 10mm。

LED: OSRAM Diamond DRAGON LUW W5AP

亮度分布测量了材料厚度分别为 1mm, 2mm, 3mm 的样品

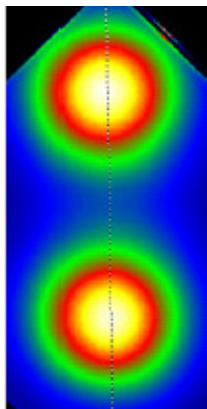
测试设置: 赢创.罗姆



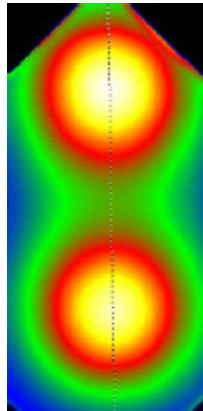
Distance of the LEDs in image pixels=3 cm

LED 在图像像素中的距离是 3cm

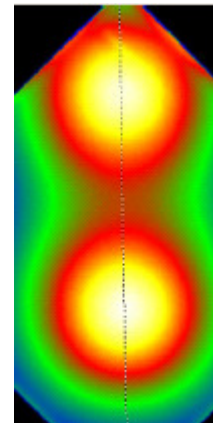
用伪色来表征亮度分布:



1mm



2mm



3mm

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赢创. 创新原动力

