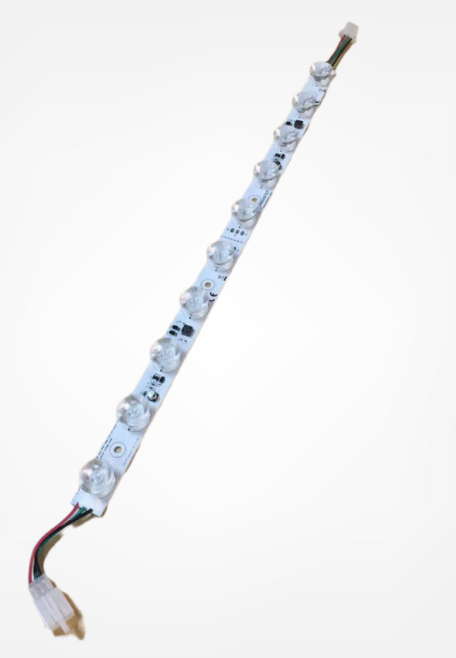Product description/产品描述 ：



Product features:(产品特点)：

- The latest OSRAM high power LED imported from Germany is adopted,With high brightness, high luminous efficiency, high thermal conductivity and other characteristics;
  (采用最新德国进口 OSRAM 大功率 LED 具有高亮度，高光效，高导热等特性);
- the lens is made of optical grade PC material, high flame retardant, and the light transmittance is more than 93%;
  (透镜采用光学级 PC 材质，高阻燃，透光率 93%以上);
- Unique secondary optics, 10 * 25 double angle design, practical At present, ultra long distance lighting makes light distribution more uniform and brighter;(独特的二次光学，10*25 双角度设计，实现超长距离对打光,光分布更匀更亮);
- constant current design, long service life and high failure rate low
  （采用恒流设计， 使用寿命长，故障率极低）
- All raw materials meet ROHS standards
  （所有原材料均符合 ROHS 标准）；
- Suitable light box thickness 6cm -- 30cm
  （适配灯箱厚度 6CM--30CM）；

Application/应用场合

- Commercial advertising light box
  商业广告灯箱
- Subway airport light box
  地铁机场灯箱
- Landscape lighting
  景观亮化照明
- Background advertising light source
  背景广告光源

Product Description:

EL500D10 adopts OSRAM high-power LED imported from Germany, which has the characteristics of high luminous efficiency, high brightness, high heat conduction, etc. combined with the patented secondary light distribution technology of this product, it adopts the lens made of optical grade PC imported from Japan, which has longer lighting distance and more uniform gradient light distribution. It is suitable for lamp box thickness of 60-300 mm and lamp box height of 0.5-3 M. This product is very convenient to install. The LED working circuit is also designed as switch type constant voltage and constant current drive, which can effectively solve the LED brightness fluctuation caused by unstable power supply, and has long service life and low failure rate.

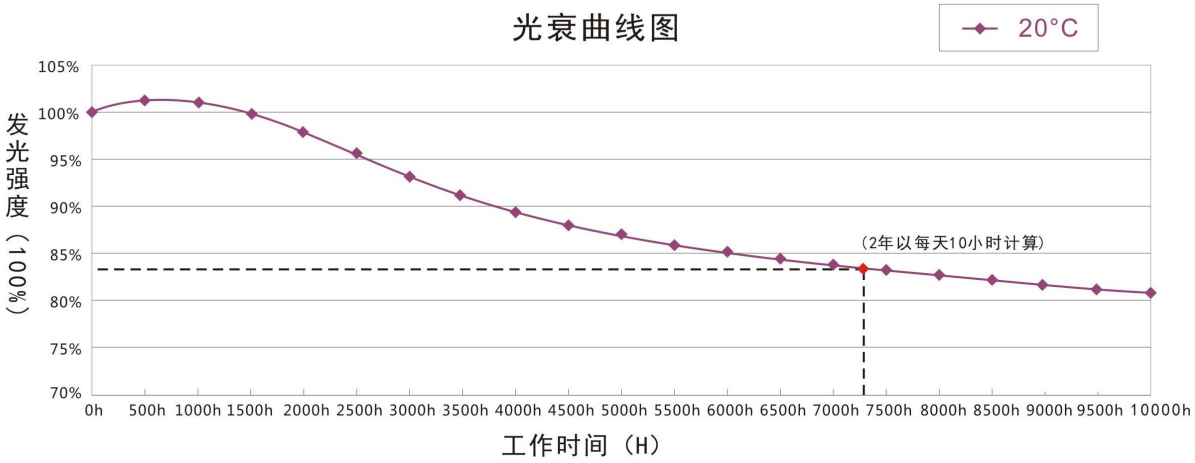
产品说明:

EL500D10 采用德国进口 OSRAM 大功率 LED,具有高光效,高亮度,高导热等特点，配合本款产品二次配光专利技术，采用日本进口光学级 PC 材质制成的透镜，打光距离更长且梯度光分布更加均匀，适合灯箱厚度 60-300mm,灯 箱高度 0.5-3M。 本产品安装极其方便。LED 工作电路也设计为开关式恒压恒流驱动，可以有效解决因电源供电不稳定而引起的 LED 亮度波动影响,且使用寿命长,故障率极低。

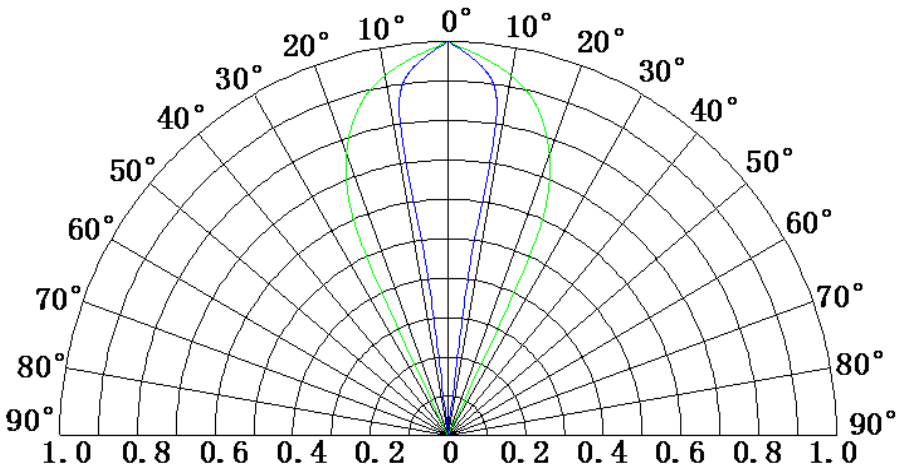
configuration parameter(配置参数）：

Specifications/相关参数（25℃）		
Item/项目	Specifications/参数	Unit/单位
Product size/产品尺寸	500*24*15	mm
LED type/灯珠类型	OSRAM3030/欧司朗 3030	PCS
LED QTY/灯珠数量	10	PCS
LED spacing/灯珠间距	50	mm
Voltage/电压	DC24V	V
Current/电流	1040±10%	mA
Power/功率	25±10%	W
Luminous flux/光通量	2750	LM
Lens Angle/透镜角度	10*25℃	℃
CCT/色温	6000-6500K	K
CRI/显色指数	≥80	Ra
Working temperature/工作温度	-20~+45℃	℃
Storage temperature/存储温度	-20~+60℃	℃
Level of protection/防护等级	IP33	
Cascade number/级联数量	4	PCS

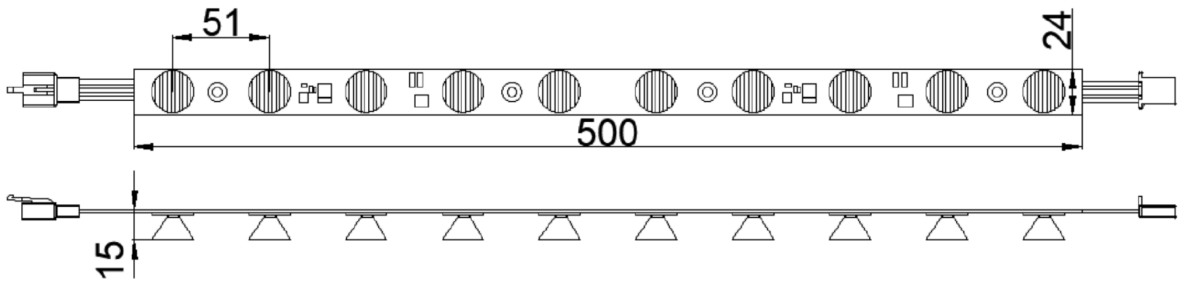
Light attenuation curve(光衰曲线图)：



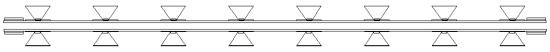
Light distribution curve(配光曲线图) :



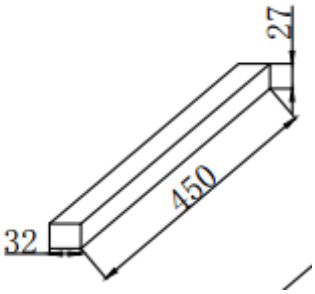
Product dimension drawing(产品尺寸图) :



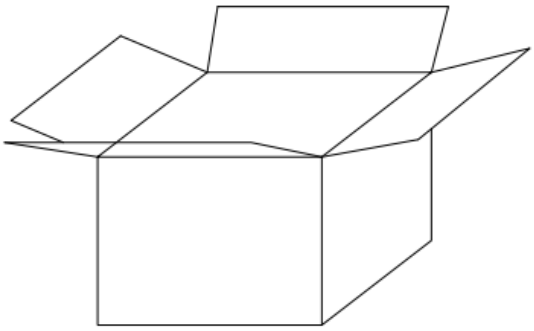
Packing diagram(包装示意图) :



Light Bar/灯条（2PCS)

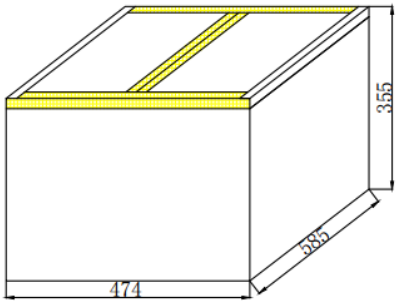


Load small paper box(装入小纸盒)



Load into outer box(装入外箱)

150 small boxes (300 pcs) of light strips are installed in the outer box(150小盒（300PCS） 灯条装入外箱)



Sealing of light strip outer box with transparent tape(灯条外箱透明 胶带封口)

外箱尺寸 (mm)	数量 (PCS)	毛重CC (KG)	净重 (KG)
585*474*355	300	54	53

Note > > >

1. The product does not have short-circuit, overload protection and other functions. The selected switching power supply must have short-circuit, overload protection and other functions, and the output voltage of the power supply must match the working voltage of the module;

2. When selecting switching power supply, 20% - 30% margin should be reserved according to the actual power of the product. When selecting the diameter of connecting wire, some margin should be enlarged according to the current;

3. The polarity of the power supply of this product can not be reversed. The side line with red line is the positive pole of the power supply, and the black line is the negative pole of the power supply;

4. It is not allowed to be installed in combustible objects. Under any circumstances, the product cannot be covered by thermal insulation gasket or similar materials;

5. When installing and replacing products, the power supply must be cut off to ensure personal safety;

6. The installation workers should do a good job in electrostatic protection, and the switching power supply should be effectively grounded;

7. This product can only be used in protected places such as light box and light-emitting words. It is forbidden to use it in outdoor and rain drenched places. 8. The module can be used in dimming places;

9. When the product works abnormally (self extinguishing, flashing), please check whether the power supply and output voltage are normal

The product still needs to be replaced;

注意事项 > >
1. 该款产品不具有短路、过载保护等功能，所选取的供电开关电源必须具有短路、过载保护等功能， 并且电源的输出电压必须与模组的工作电压匹配;
2. 选择开关电源时应根据本产品的实际功率预留 20%－30%余量，选择连接导线线径时也需根据电流 大小适当放大些余量;
3. 本产品电源极性不能相互接反，带红色线边线为电源正极，黑色线为电源负极;
4. 不可安装在可燃物体内使用，无论什么情况下，产品不能被隔热衬垫或类似材料盖住;
5. 安装和更换产品时，必须切断电源，保证人身安全;
6. 安装作业人员需做好静电防护工作，开关电源需有效接地;
7. 本产品限灯箱、发光字等表面有防护的场所使用，禁止直接裸露在室外和雨水淋到的地方使用； 8. 该款模组可以在调光场所下使用;
9.当发现产品工作异常（自熄、闪烁）时，请检查供电电源是否供电及及输出电压是否正常,如果都正常，故障仍未排除,需更换产品;