

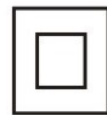
PRODUCT SPECIFICATION

产品规格书

DESCRIPTION T8 LED Light Tube

产品名称 T8 LED 灯管

MODEL NO.: UQ-18W



制作 审核 核准 Reagon.Wong

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1. Picture of real products 产品图片



2.Features 产品特性

- High brightness, using 100 grain,2835 SMD LED 亮度高 用 100 个高品质 2835 贴片 LED °
- Energy saving, Low power consumption, driven by high efficiency constant current than traditional energy-saving fluorescent 80%节能 '低损耗 '采用高效率恒流驱动 '比传统荧光灯节能 80% °
- The service life is long, can reach 50000 hours 使用寿命长 '可以达到 50000 小时 °
- Environmental protection, not heavy metals and harmful gas 环保 '没有重金属和有害气体 °
- No glimmered, protection to your eyes 没有频闪 '启动快、无闪烁 '保护眼睛 °
- Easy to install and easy to use 容易安装 '使用方便 °
- LED Drive, LED lamp panel removable, convenient replacement, maintenance and after-sales service LED 驱动 'LED 灯板可拆卸 '方便更换 '维护和售后服务 °
- The big beam Angle 光束角度大 °
- Meet the UL safety standards (UL 1598C ` UL1993 ` UL8750 ` CSA C22.2 No.1993) 满足 UL 安全标准 (UL 1598C ` UL1993 ` UL8750 ` CSA C22.2 No.1993) °
- Meet the EMC standard FCC Part15 Subpart B 满足美国电磁兼容标准 FCC Part15SubpartB °
- Meet the energy star standard (DLC V2.1) 满足美国能源之星标准 (DLC V2.1) °

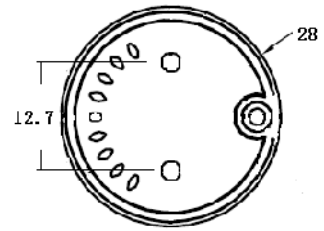
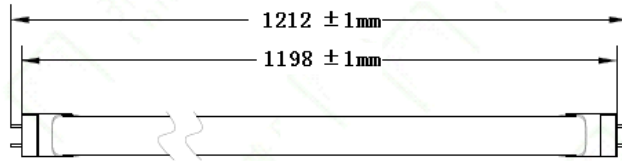


3. Technical Request 技术参数

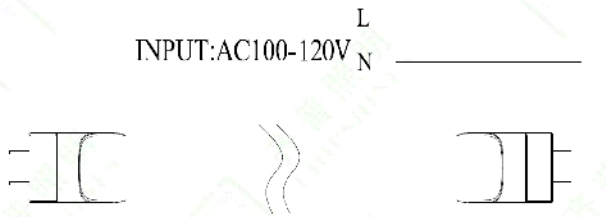
产品型号 :UL-9W-54	
ITEM 项目	Specifications 规格
Power 功率	18W ±10%
Input voltage 输入电压	100 ~ 120Vac
Input Frequency 输入频率	47 ~ 63Hz
Input current 输入电流	0.3Amax
Power Factor 功率因数	≥0.9
I-THD 电流谐波	≤25%
Operating Temperature 工作温度	-20 ~ 40°C
Storage Temperature 储存温度	-40 ~ 80°C
Level of Waterproof 防水等级	IP54
Number of LED 灯数	100Pcs
Angle of LED 角度	240 degree
Brightness 亮度	1931Lm
Color Temperature 色温	4000K±250K
Life span 使用寿命	50000Hour
Safety standards 安全标准	UL 1598C,UL1993 2012 'UL8750 2012 ' , CSA C22.2 No. 250.0-08
Safety Certificate No.安全证书号	UL NO.:E465594
EMC standards 电磁兼容标准	FCC Part15 Subpart B
EMC Certificate No. 电磁兼容证书号	248337
Energy efficiency standards 能效标准	DLC V2.1 (IESNA LM-79-08,UL1598)
Energy efficiency Report No 能效报告号	LCGP14030170



4.Dimensions 外形尺寸图



5.Assembly Technology Drawing 安装原理图



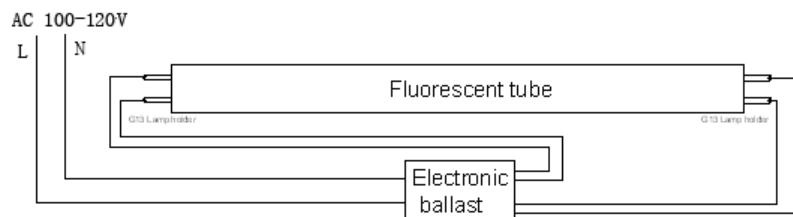
6.Instruction of wiring 安装接线说明

Method one: Replace the electronic ballast(from the electronic ballast)

方法一 替换电子镇流器的方案~去掉电子镇流器~

- 1) Turn off the power to the light fixture at the breaker panel before installation 安装前关掉灯具的电源开关。
- 2) Open the diffuser from the light fixture 打开灯具的扩散罩。
- 3) Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury. 消除日光灯。请恰当的处理这些产品,因为它们含有汞。
- 4) Open the wiring cover to expose the electronic ballast. See FIG. 1 打开线路盖暴露电子镇流器。见图 1

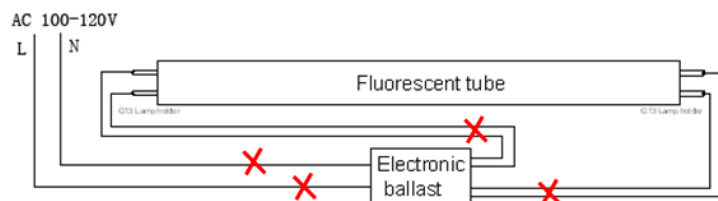
See FIG. 1



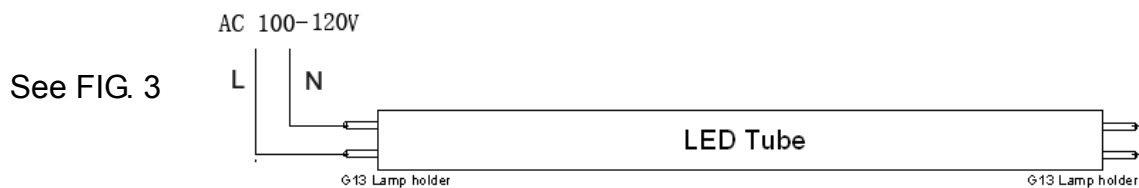
5) Cut the wire as shown. Do not remove the ballast, Keep it in place. See FIG. 2

如下图方式剪掉线。不要移除电子镇流器。保持在原来位置。如图 2

See FIG. 2



5) Make the new wire connect to branch circuit shown as the diagram below. Rewiring the wires from one end of lampholder to “L” and “N” of the supply circuit by wire nuts/connectors. Insulated or capped all unused conductors with a wire connectors. After modified, add an identification for the live end of lampholder, e.g.”LIVE END” . See FIG. 3 依下图 3 接新线 ‘重新整理“L”和“N”的线帽或连接器’接线的地方要做绝缘。修改后,做一个火线标识,例如“火线端” °见图 3.



7) Recover the cover over the wiring channel 恢复线路盖并盖信线通道 °

Method two: Replace traditional of fluorescent lamp

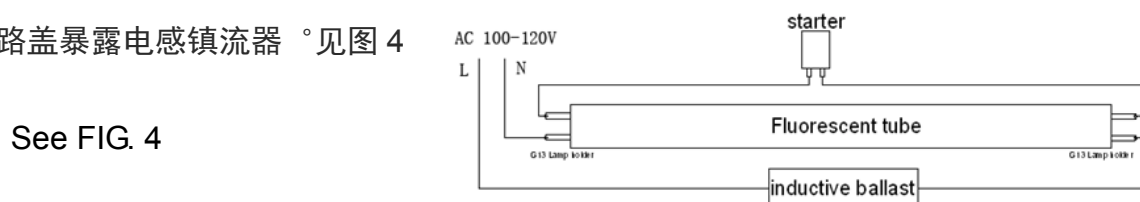
方法二 ‘替换电感式传统日光灯的方案

1) Turn off the power to the light fixture at the breaker panel before installation 安装前关掉灯具的电源开关 °

2) Open the diffuser from the light fixture 打开灯具的扩散罩 °

3) Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury. 消除日光灯 °请恰当的处理这些产品,因为它们含有汞 °

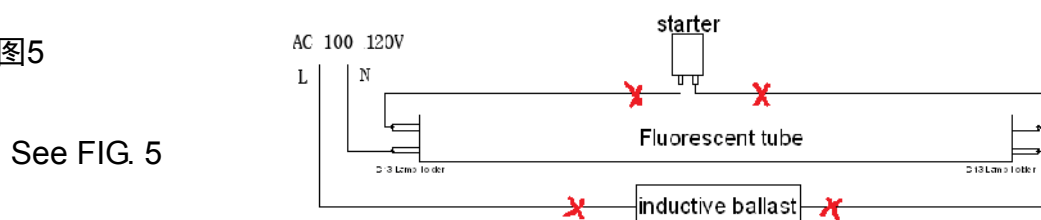
4) Open the wiring cover to expose the fluorescent ballast. See FIG. 4 打开线路盖暴露电感镇流器 °见图 4



5) Cut the wire as shown. Do not remove the starter and ballast, Keep it in place.

See FIG. 5 如下图方式剪掉线 ‘不要移除启辉器和电感子镇流器’保持在原来位置 °

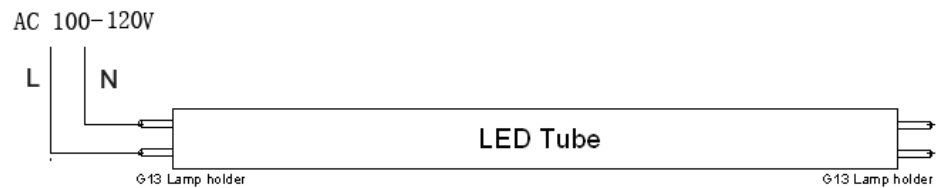
如图5



6 Make the new wire connect to branch circuit shown as the diagram below. Rewiring the wires from one end of lampholder to “L” and “N” of the supply circuit by wire nuts/connectors. Insulated or capped all unused conductors with a wire connectors. After modified, add an identification for the live end of lampholder, e.g. “LIVE END”. See FIG. 6 依下图 6 接新线，重新整理“L”和“N”的线帽或连接器，接线的地方要做绝缘。修改后，做一个火线标识，例如“火线端”。见

图 6

See FIG. 6



7 Recover the cover over the wiring channel 恢复线路盖并盖好线通道。

7. Test Report 测试报告

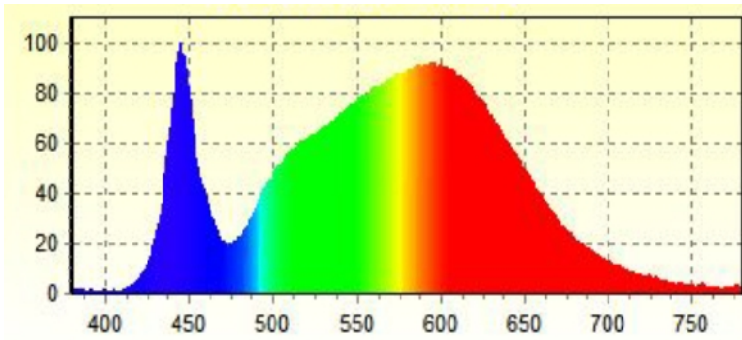
7.1 Electrical data 电性数据

item 项目	Result 结果
Input Voltage 输入电压	120V~60HZ
Input Current 输入电流	0.151A
Total Power 总功率	17.810W
Power Factor 功率因数	0.984
I-THD 电流谐波	17.23%

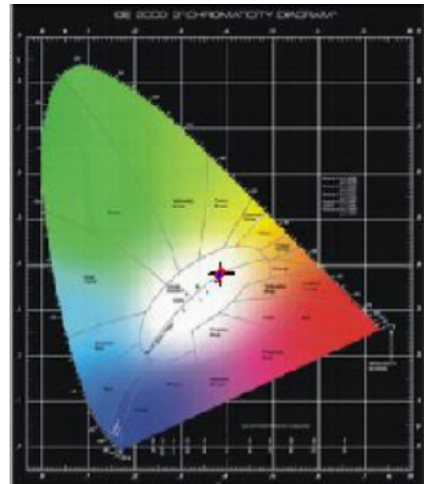
7.2 Photometric data 光度数据

item 项目	Result 结果
Total Lumens 总流明	1931.62Lm
Luminaire Efficacy 光效	108.46m/W
Color Rendering Temperature 色温	4077K
Color Rendering Index	80.6

7.3 Spectral Distribution **光谱分布**

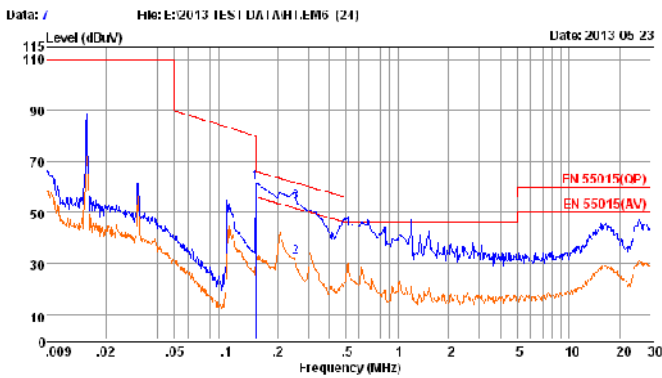


7.4 Chromaticity Diagram **色品图**

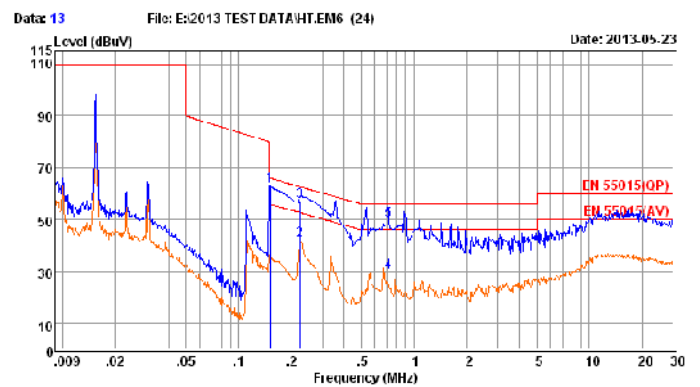


7.5 EMC data **电磁数据**

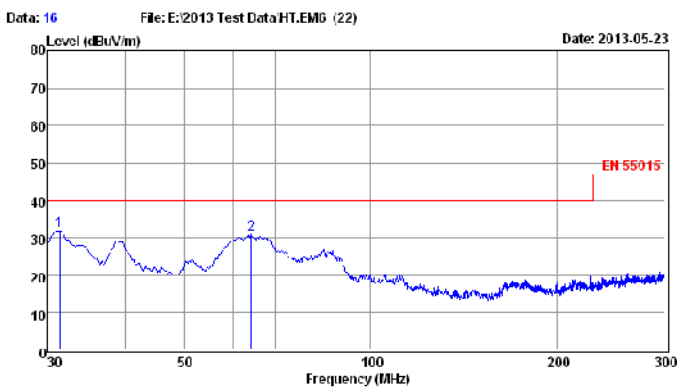
Conducted emission 120Vac 60Hz
Neutral



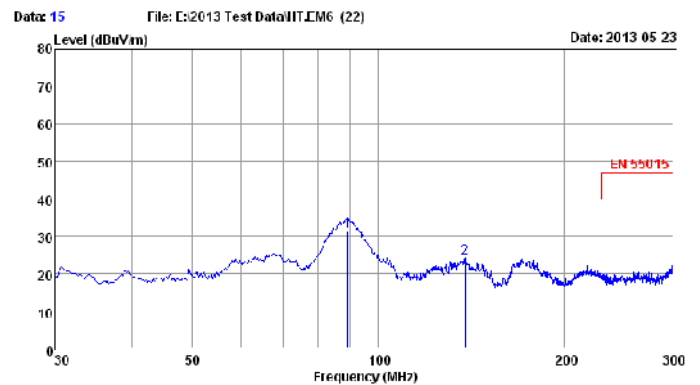
Conducted emission 120Vac 60Hz
Line



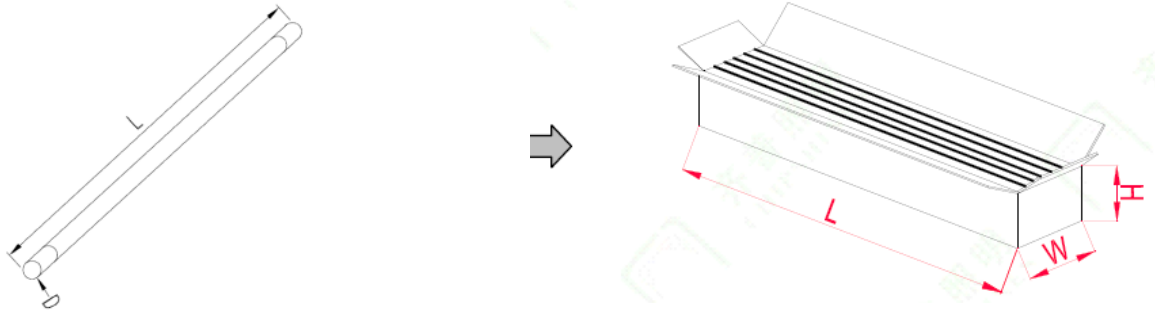
Radiation emission 120Vac 60Hz Vertical
Horizontal



Radiation emission 120Vac 60Hz
Vertical



8.Packing Size 包装尺寸



Part No.	Length	Size (mm)	Size (mm)	NW(KG)	GW(KG)
UL-18W-100	1.2m	1230(L)X31(D)	1240(L)X215(W)X215(H)	0.244	

9.Products Application Cases 产品应用实例

Homes, villas, hotels, beauty salon, cafes, supermarkets, shopping malls, stores, museums, libraries, factory, office, workshop, warehouse, parking lot, advertising housing, cars, trains, ships, vehicles, etc., can make clear industry to reduce energy consumption and give you a green lighting environment 家庭 `别墅 `酒店 `美容院 `咖啡馆 `超市 `商场 `商店 `博物馆 `图书馆 `工厂 `办公场所 `车间 `仓库 `停车场 `广告箱体 `汽车 `火车 `轮船之类交通工具等等 `可以明显降低能耗 `给你一个绿色照明的环境。

