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T8 SMD2835 PRODUCT SPECIFICATION

8W/18W/25W



WS-8WT8 2835 /
WS-18WT8 2835 /
WS-25WT8 2835

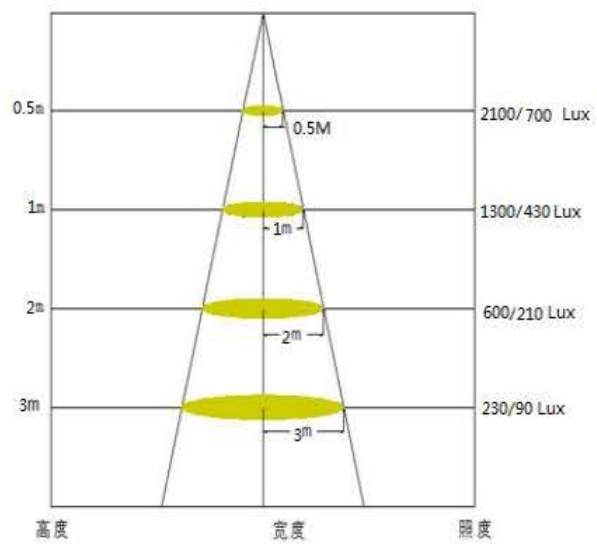
1. Product feature

- ❖ Using the Advanced LED semiconductor lighting Technology, can save energy more 70% than traditional fluorescent lights.
- ❖ Using the **original** imported SMD as light source.
- ❖ **Excellent heat Administration, Effective guarantee LED light long-term stability working and control the light attenuation problem**
- ❖ Power Surge protection design, low voltage, low current. Highly **security**
- ❖ **Long lifespan. It can be reach 30000hours, which is 17 time of the traditional fluorescent lights lifespans**
- ❖ Easy install and use , no need to replace the lamps, directly replace the **traditional fluorescent lights** ,
- ❖ **Green product . no Lead, mercury metals and harmful gas**
- ❖ DC Driver, no flicker and protect your eyes.
- ❖ **No ultraviolet (uv) radiation and electromagnetic radiation**
- ❖ **Use for plant , workshop , office , shopping mall, supermarket ,underground parking , hospital . School and some indoor lighting,**

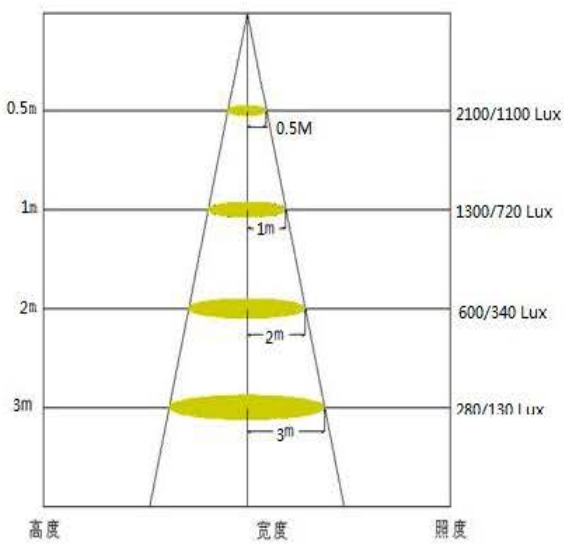
2. Technical Parameter

Model	WS-8WT8 2835	WS-18WT8 2835	WS-25WT8 2835
consumed power	8W ± 1W	18W ± 1W	25W ± 1W
Power Factor	≥ 0.9-0.98		
size mm	Ø26×L600mm	Ø26×L1200mm	Ø26×L1500mm
Shell material	High quality aviation aluminum + Transparent light cover	High quality aviation aluminum + Imported flame retardant fog diffuse cover	
wrok Temp	-20 ~ 50℃		
storage Temp	-30 ~ 50℃		
Voltage	AC:85V to 265V, 50Hz to 60Hz		
Beam angle	120°		
IP Grade	IP54		
Warranty	3 years warranty		
lifespan	≥ 50,000hours		
Total lumens	900LM ± 30	1900LM ± 80	2500LM ± 100
CCT	2700K ~ 6500K		
CRI	White : Ra 70-75(CRI) Warm white : Ra 70-75 (CRI)		
certification	CE, & ROHS		

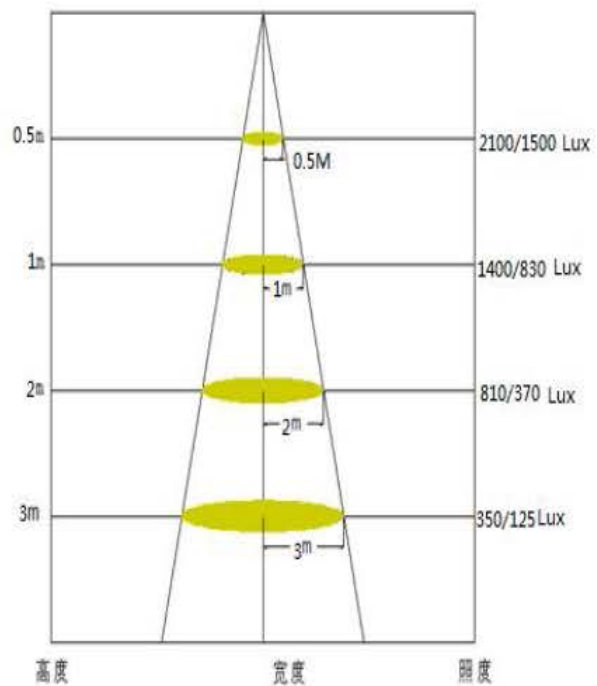
3、LUX



WS-8WT8 2835



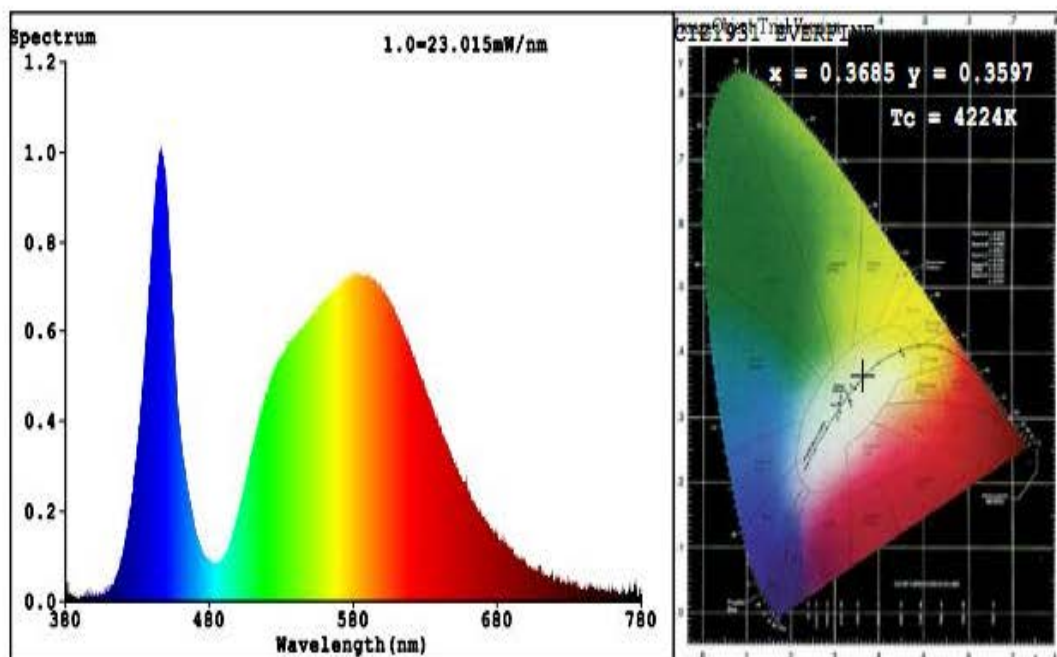
WS-18WT8 2835



WS-25WT8 2835

4、Photoelectric parameters test report

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3685$ $y=0.3597$ $u'=0.2240$ $v'=0.4920$

$T_c=4224K$ Dominant WL:Ld =581.7nm Purity=18.5%

Red Ratio:R=18.2% Peak WL:Lp=446.4nm HWL:Lhd=21.6nm

Render Index:Ra=80.3

R1 =82 R2 =78 R3 =82 R4 =83 R5 =81 R6 =79 R7 =80

R8 =77 R9 =0 R10=47 R11=70 R12=44 R13=72 R14=89 R15=67

Photo Parameters:

Flux = 933.7 lm Eff. : 99.86 lm/W Fe = 2.773 W

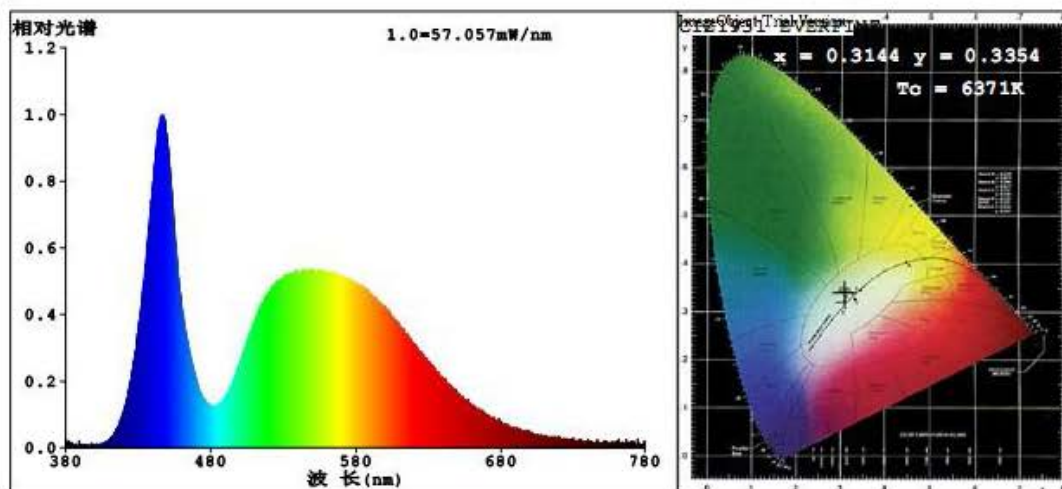
Electrical parameters:

V = 229.8 V I = 0.04217 A P = 9.350 W PF = 0.9648

LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 364 ms Ip = 46624 (71%)

WS-8WT8 2835↑

**颜色参数:**色品坐标: $x=0.3144$ $y=0.3354/u'=0.1966$ $v'=0.4720$ 相关色温: $T_c=6371K$ 主波长: $\lambda_d=493.1nm$ 色纯度: $Purity=6.3\%$ 红色比: $R=13.3\%$ 峰值波长: $\lambda_p=446.9nm$ 半宽度: $\Delta\lambda_d=23.8nm$ 显色指数: $R_a=72.4$

R1 =70	R2 =75	R3 =79	R4 =74	R5 =72	R6 =68	R7 =81
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R8 =61	R9 =0	R10=41	R11=73	R12=47	R13=70	R14=88	R15=64
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光度&辐射度参数:光通量 $\Phi = 1824$ lm 光效: 97.33 lm/W 辐射通量 $\Phi_e = 5.651$ W**电参数:**电压 $V = 227.5$ V 电流 $I = 0.08368$ A 功率 $P = 18.74$ W 功率因数 $PF = 0.9847$

分级: OUT 白光分类: ANSI_6500K

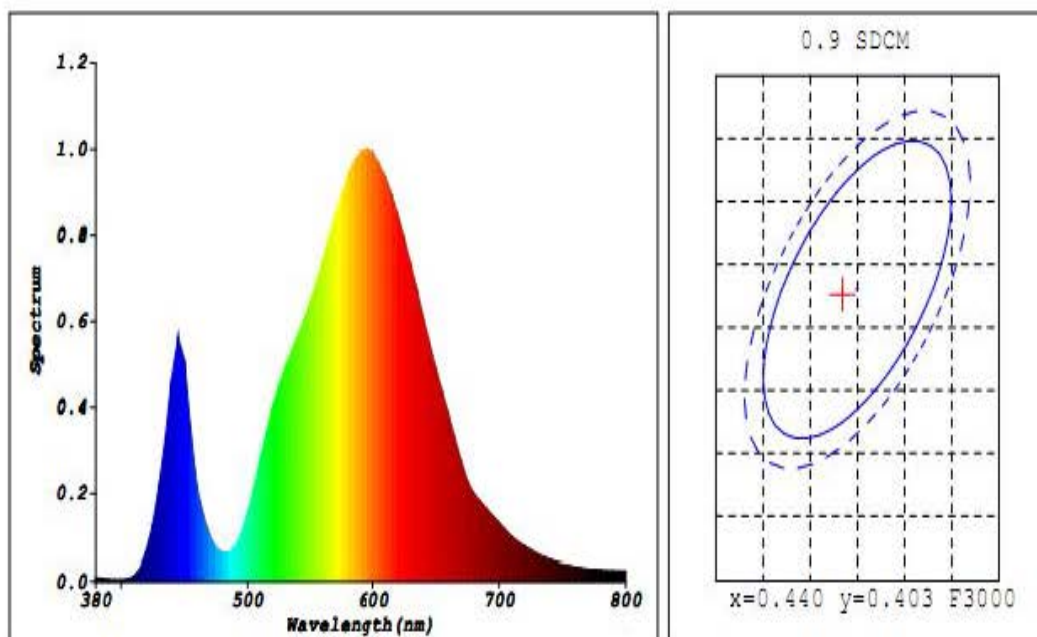
仪器状态: 积分时间 $T = 149$ ms $I_p = 51433$ (78%)

产品型号: 2835-18W-6000K

产品编号: 0003

WS-18WT8 2835↑

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4384$ $y=0.4026$ $u'=0.2522$ $v'=0.5210$

$T_c=2963K$ Dominant WL: $L_d=583.3nm$ Purity=52.4% Centroid WL: $587.0nm$

Ratio: $R=23.2\%$ $G=75.6\%$ $B=1.2\%$ Peak WL: $L_p=595.0nm$ HWL: $118.3nm$

Render Index: $R_a=80.5$

$R1=77$ $R2=80$ $R3=90$ $R4=77$ $R5=86$ $R6=81$ $R7=78$

$R8=75$ $R9=-31$ $R10=53$ $R11=61$ $R12=44$ $R13=69$ **$R14=94$** $R15=60$

Photo Parameters:

Flux: 2551.7 lm $F_e: 6.1597\text{ W}$ Efficacy: 99.29 lm/W

LEVEL: WHITE: ANSI_3000K

Electrical Parameters:

Luminaire: $U=223.8V$ $I=0.1166A$ $P=25.70W$ $PF=0.9845$

Instrument Status:

Scan Range: $380.0nm-800.0nm$ Interval: $5.0nm[0]$

REF: $18180(R=3)$

$\lambda=-0.414\%$

$I_p=20139(G=4, D=49)$

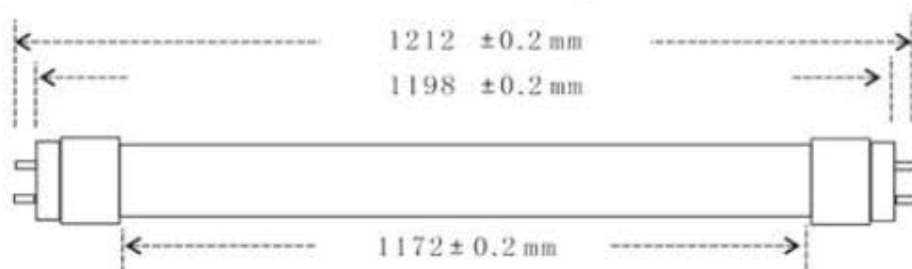
PMT: $28.3\text{ centigrade } [29.2]$

WS-25WT8 2835↑

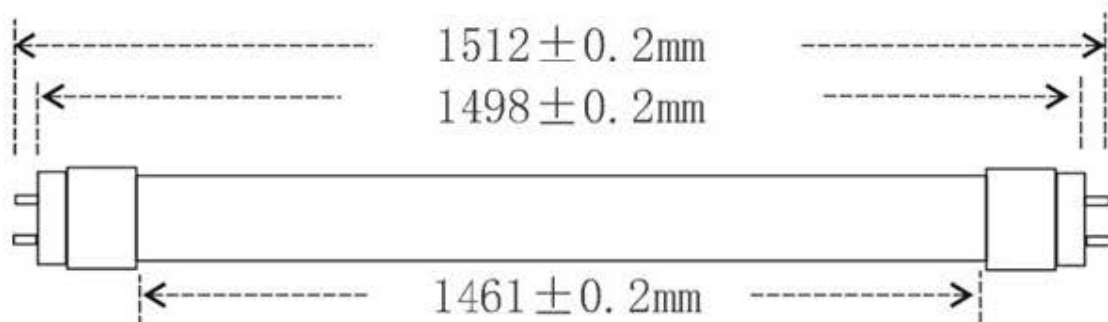
5、Dimensions



WS-8WT8 2835



WS-18WT8 2835



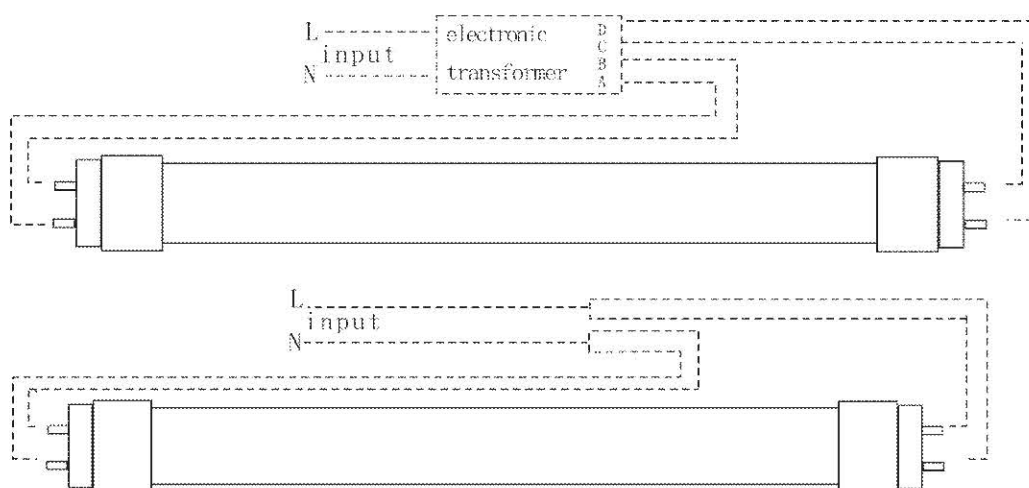
WS-T825W 2835

6. Installation instructions

1. Replace electronic ballasts led tubes.

- (1) Cut off the original line power before installation
- (2) remove electronic ballast
- (3) CONNECT The traditional fluorescent lamp holder A and B ,C and D.
- (4) Connect the fluorescent lamp holder (A and B. C and D)to the power

line

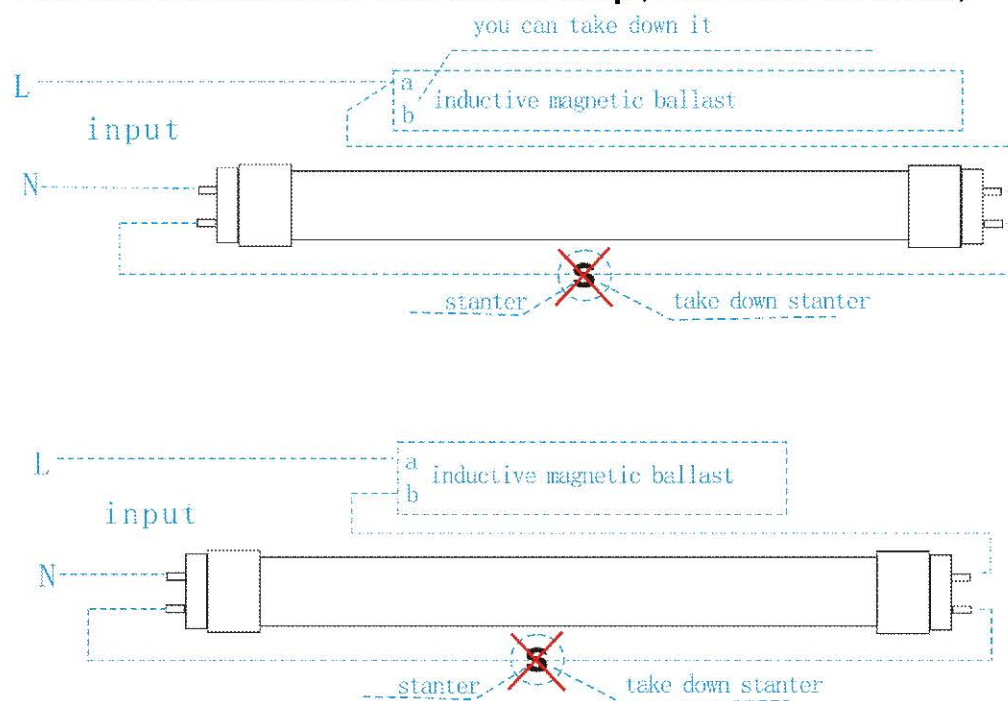


2. Replace Inductive Ballast traditional fluorescent lamp

Cut off the original line power before installation

remove the starter

Remove the traditional fluorescent lamp , install the led tubes,

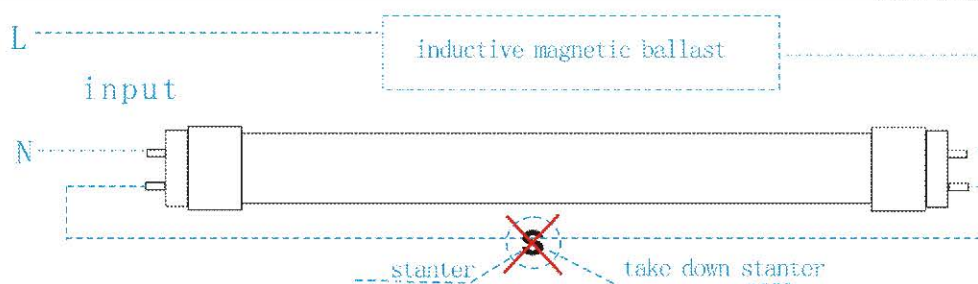


3 The most energy-efficient solutions

(1)Cut off the original line power before installation

(2)Remove the starter

(3)Connect The inductive ballast A and B, A and B short circuit , connect to another connector , or remove the ballast is ok .



7、Packing size

model	QTY/ Carton	Gross weight/ carton	outer packing size
WS-8WT8 2835	25pcs	6.5kg	660×220×220mm
WS-18WT8 2835	25pcs	13.8kg	1260×220×220mm
WS-25WT8 2835	25pcs	16.3kg	1560×220×220mm
WS-28WT8 2835	25pcs	16.3kg	1560×220×220mm

8、Attention

1、The working voltage is AC85-265 v . Pls make sure the Use range is in AC85-265v,if more than AC85-265v,lead to led lamp will be burned out .

2、 After connecting the power supply, it is forbidden for any link at the bottom of the metal and bulb, in order to avoid electric shock.

3 . After the split packing and before using ,Please check whether the lamp is damaged due to transportation, if have , pls stop use and inform the supplier,This product can only be used under the condition of the intact.

4. To be make the product safe using , pls Strictly comply with the explanation of the manual and matters needing attention,, any illegal operating losses caused by the supplier is not liable.

5. When under high temperature condition, please do not connect tube and power supply, and when the temperature exceeds a certain temperature, it will be cut down the lifespan .it is recommended to use this product at room temperature

6. Before install, pls make sure the local installation environment whether supply this product , it is recommended that the installation where the smooth, to prevent vibration, shaking.

7. As the lams surface temperature can be up to 50 ℃, suggest around the lamp don't have any equipment for heat sensitive. To ensure proper operating temperature, please keep the product away from heat source and in mild conditions using this product.