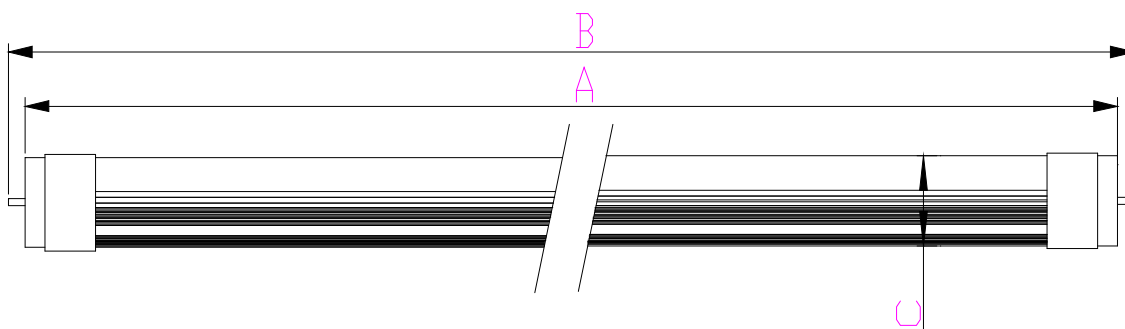




## T8 LED TUBE LIGHT

(CE, RoHS, UL)

### 1. Dimensions



Dimension	A	B	C
	MAX(MM)	MAX(MM)	MAX(MM)
0.6M	590	604	28
0.9M	895	909	28
1.2M	1200	1214	28
1.5M	1500	1514	28

Range of tolerance:±1mm

Unit:mm

## 2. Product Characteristics

Length	2ft / 0.6M	3ft / 0.9M	3ft / 1.2M	3ft / 1.2M	4ft / 1.5M
Main material	Cover: PC; Fixture:Aluminum				
Power consumption(W)	10W	15W	18W	22W	22W
Input voltage(V)	110-240Vac				
LED quantity(Pc)	130	156	280	336	336
PF	0.98				
LED type	SMD 3528	SMD3014	SMD 3528	SMD 3528	SMD 3528
Color	PW/MW/WW				
Luminous flux(Lm)	WW:810lm CW:980lm	WW:1220lm CW:1350lm	WW:1480lm; CW: 1680lm	WW:1820lm; CW: 2110lm	WW:1820lm; CW: 2110lm
Color temperature(K)	6000-7000K(CW ) / 4000-5000K(NW) / 3000-4000K(WW)				
Color Rendering Index	>80				
Net Weight(kg)	0.22	0.3	0.38	0.39	0.46
Package Size (mm)	655*190*275mm	960*190*275mm	1320*210*290mm	1320*210*290mm	1590*210*290mm
Quantity each Carton	24pcs	24pcs	24pcs	24pcs	24pcs
Life expectancy(h)	>35,000hr				

Range of tolerance: ±15%

## 3. Usage

- ※ Operating voltage: AC110-240V 50/60Hz
- ※ Working environment: -20°C to 40°C
- ※ Suitability: for indoor application only.

## 4. Warranty

- ※Quality guarantee is based on storing, installing,operating and maintaining correctly in the normal operation condition.
- ※It is not included in our maintaining range when installing inappropriately, breaking the operating rules, and leading to the products damaging.
- ※Our company will maintain the right to either repair,parts replacing,or products exchange during the quality warranty period.

## 5. Safety Notes

- ※ Please do not hit or press it with heavy substance.
- ※ Please Handle and transport gently
- ※ Please do not touch and twist the tube when power is on.
- ※ Light warm is normal when power is on.

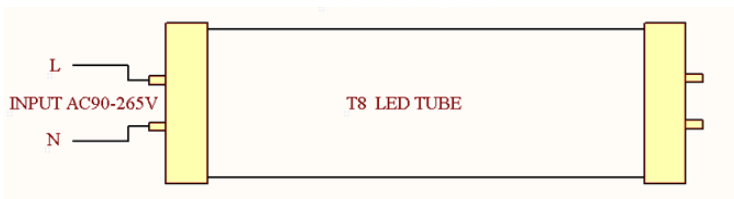
**Attention:**

- 1) Adopt high brightness LED as the light source, the life reaches 80000 hours, while the LED brightness degradation is influenced by many environmental conditions, such as surrounding temperature, adequate ventilation and air quantity, but also by other electrical design.
- 2) The normal work temperature is from -20°C to 40°C. If the products work beyond or below the condition for a long time, the life expectancy will reduce. under the extreme situation, the internal device will malfunction, so the life span of the light source depends on LED manufacturer's data and the third party's testing.

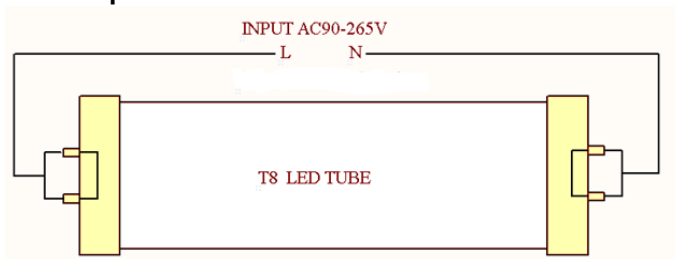
## 6. Installation Instructions

- 1) It is a MUST to remove starter and electronic ballast or Inductive/magnetic ballast(if any) from circuit.
- 2) Wiring tube light as following

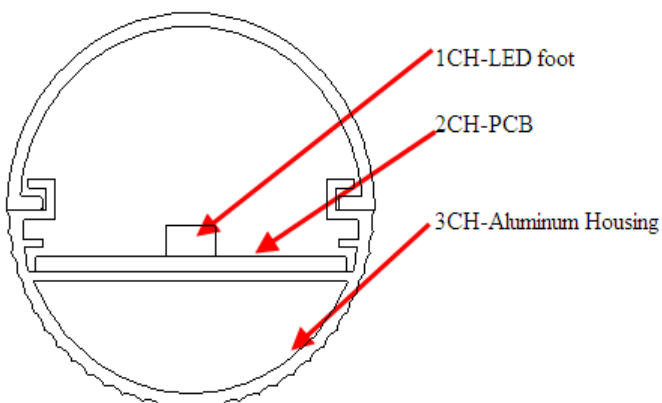
**a) One end power**



**b) Double ends power**



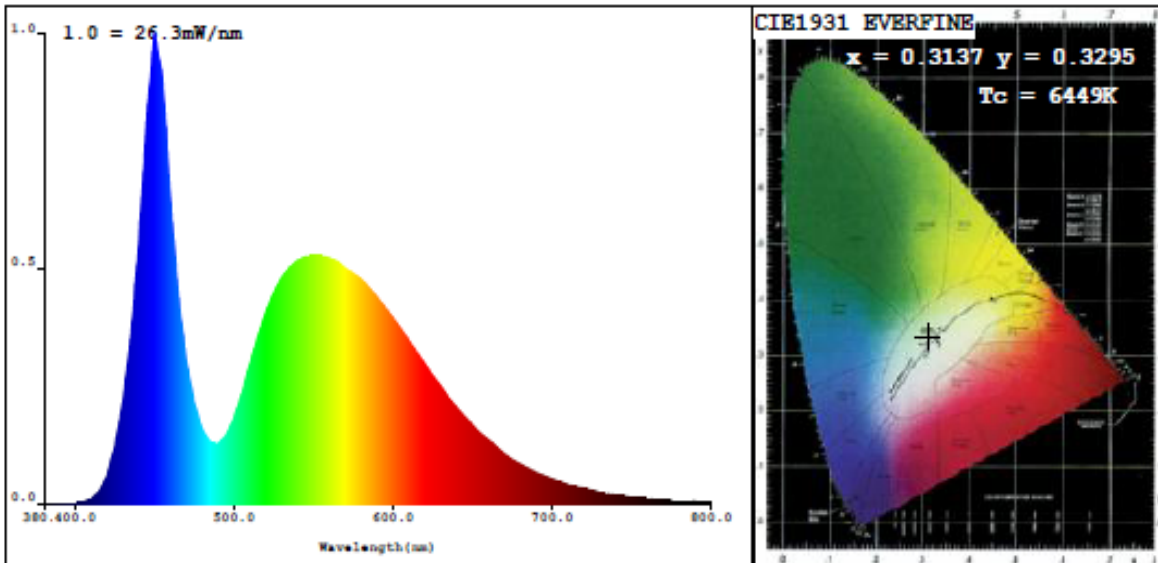
## 7. Temperaturing Rising Tests



Test sensor number	Test point	Results (°C)
1CH	LED mounting foot	64
2CH	PCB	56
3CH	Housing	57
4CH	Ambience Temp	30

## 8. Photoelectric data

### Light Source Test Report



**CIE Color Parameters:**

Chromaticity Coordinate:  $x=0.3137$   $y=0.3295$  /  $u=0.1983$   $v=0.3125$  ( $duv=2.97e-$

CCT:  $T_c=6449K$  Prcp WaveL:  $\lambda_d=489.2nm$  Purity=6.9%

Peak WaveL:  $\lambda_p=450nm$  Half Width:  $\Delta\lambda_p=24.7nm$  Ratio: R=12.3% G=83.5% B=4.2%

Average Wave: 543nm

Rendering Index:  $R_a=73.3$

R1 =71 R2 =77 R3 =78 R4 =74 R5 =72 R6 =68 R7 =84 R8 =63

R9 =-21 R10=43 R11=69 R12=40 R13=72 R14=88 R15=68

**Photo Parameters:**

Flux:  $\Phi=810.50(lm)$  Luminous Efficacy: 82.63(lm/W) Luminous Power:  $P=2.548(W)$

**Electrical Parameters:**

U=220.8V I=0.0452A P=9.808W PF=0.983

**Instrument Status:**

Scan Range: 380.0nm-800.0nm

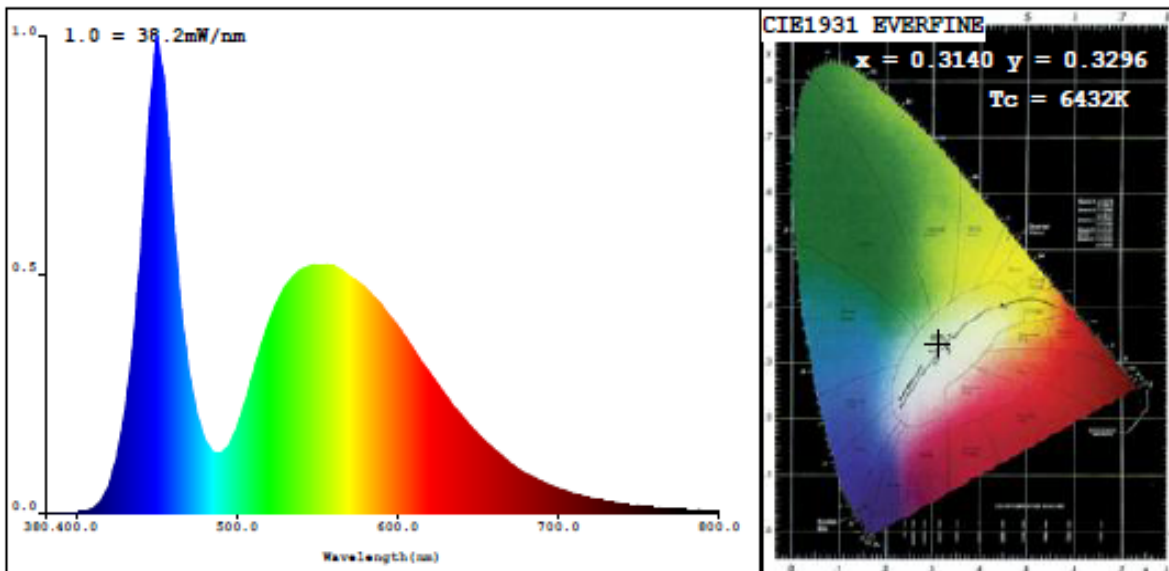
Interval: 5.0nm

$I_p = 10977(G=3, D=50)$

REF = 23959

TMP (PMT) = 35.6degrees centigrade Best Mode: precision Test

## Light Source Test Report



### CIE Color Parameters:

Chromaticity Coordinate:  $x=0.3140$   $y=0.3296$  /  $u=0.1985$   $v=0.3125$  ( $duv=2.86e-$   
 CCT:  $T_c=6432K$  Prcp WaveL:  $\lambda_d=489.2nm$  Purity=6.8%

Peak WaveL:  $\lambda_p=450nm$  Half Width:  $\Delta\lambda_p=24.2nm$  Ratio: R=12.3% G=83.5% B=4.2%

Average Wave: 543nm

Rendering Index: Ra=73.1

R1 =71 R2 =77 R3 =78 R4 =74 R5 =72 R6 =68 R7 =83 R8 =63

R9 =-21 R10=43 R11=69 R12=40 R13=72 R14=88 R15=68

### Photo Parameters:

Flux:  $\phi=1164.0(lm)$  Luminous Efficacy: 83.99(lm/W) Luminous Power:  $P=3.655(W)$

### Electrical Parameters:

U=222.1V I=0.0629A P=13.85W PF=0.991

### Instrument Status:

Scan Range: 380.0nm-800.0nm

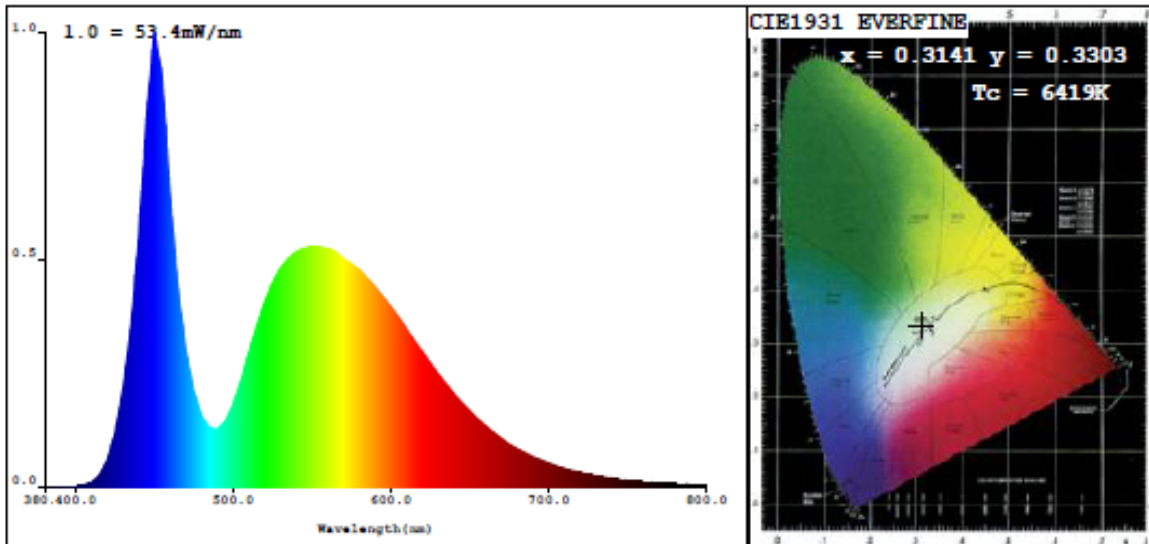
Interval: 5.0nm

Ip = 15864(G=3,D=50)

REF = 3543

TMP(PMT) = 35.4degrees centigrade Test Mode: precision Test

## Light Source Test Report



### CIE Color Parameters:

Chromaticity Coordinate:  $x=0.3141$   $y=0.3303$  /  $u=0.1983$   $v=0.3128$  ( $duv=3.14e-$

CCT:  $T_c = 6419K$  Prcp WaveL:  $\lambda_d=489.7nm$  Purity=6.7%

Peak WaveL:  $\lambda_p=450nm$  Half Width:  $\Delta\lambda_p=24.5nm$  Ratio: R=12.3% G=83.5% B=4.2%

Average Wave: 543nm

Rendering Index:  $R_a=73.1$

R1 =71 R2 =77 R3 =78 R4 =73 R5 =71 R6 =68 R7 =83 R8 =63

R9 =-22 R10=43 R11=69 R12=40 R13=72 R14=88 R15=68

### Photo Parameters:

Flux:  $\Phi=1647.9(lm)$  Luminous Efficacy: 86.88(lm/W) Luminous Power:  $P=5.168(W)$

### Electrical Parameters:

$U=221.2V$   $I=0.0872A$   $P=18.96W$   $PF=0.984$

### Instrument Status:

Scan Range: 380.0nm-800.0nm

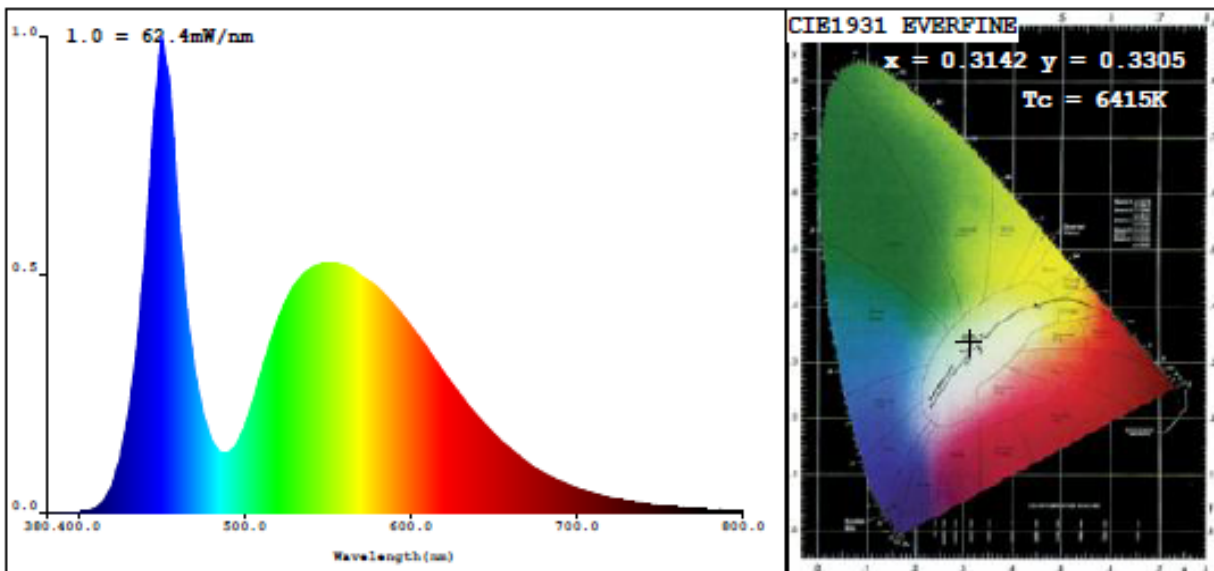
Interval: 5.0nm

$I_p = 22240(G=3, D=50)$

REF = 4973

TEMP(PMT) = 35.1degrees centigrade Test Mode: precision Test

## Light Source Test Report



### CIE Color Parameters:

Chromaticity Coordinate:  $x=0.3142$   $y=0.3305$  /  $u=0.1983$   $v=0.3129$  ( $duv=3.20e-$   
 CCT:  $T_c=6415K$  Prcp WaveL:  $\lambda_d=489.8nm$  Purity=6.7%  
 Peak WaveL:  $\lambda_p=450nm$  Half Width:  $\Delta\lambda_p=24.2nm$  Ratio: R=12.3% G=83.6% B=4.2%  
 Average Wave: 543nm  
 Rendering Index:  $R_a=73.0$   
 R1 =71 R2 =77 R3 =78 R4 =73 R5 =71 R6 =67 R7 =83 R8 =63  
 R9 =-22 R10=42 R11=69 R12=40 R13=72 R14=88 R15=68

### Photo Parameters:

Flux:  $\Phi=1909.2(lm)$  Luminous Efficacy: 88.93(lm/W) Luminous Power:  $P=5.982(W)$

### Electrical Parameters:

$U=221.0V$   $I=0.0984A$   $P=21.46W$   $PF=0.987$

### Instrument Status:

Scan Range: 380.0nm-800.0nm Interval: 5.0nm  $I_p = 26125(G=3, D=50)$   
 REF = 5745 TWP(PMT) = 34.5degrees centigrade Test Mode: precision Test