

# CATALOG

## LED LIGHTING SERIES

### ***LED TUBE***





# LED TUBE

LED Lighting Series

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**iLIGHTING**<sup>®</sup>  
Green • Professional



LED  
Lighting  
Series

# CONTENTS

## CONTENTS

Company Profile 公司簡介	I-II
Lighting Basic Concept 照明基本概念	III-XX
General Lighting 一般應用照明	01-09
Sensor Lighting 傳感器應用照明	10-17
Preset & Timer Lighting 預設和計時應用照明	18-20
Dimming Lighting 調光應用照明	21-24
Zone Lighting 區域照明	25-30
Special Purpose Lighting 特殊用途照明	31-35
PL Tube Series 橫插燈系列	36-38
IOT Intelligent Lighting IOT 智能照明系列	39-41

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### T8 Series



**A1-P.02**  
High Performance  
LED T8 Tube



**A2-P.02**  
Commercial LED  
T8 Tube



**A3-P.03**  
Wide Angle LED  
T8 Tube



**A4-P.03**  
Nano Plastic LED  
T8 Tube



**A5-P.04**  
Glass LED T8 Tube



**A6-P.04**  
DC LED T8 Tube  
with External Driver



**A7-P.05**  
High Power LED  
T8 Tube



**A8-P.05**  
High Lumen LED T8 Tube



**A9-P.06**  
Full Spectrum LED T8 Tube



**A10-P.06**  
T8 Ultra-energy-saving  
Anti-glare LED TUBE



**A11-P.07**  
T8 Wide angle LED Tube

### T5 Series



**A12-P.07**  
High Performance LED  
T8-T5Tube



**A13-P.08**  
LED T5 Tube



**A14-P.08**  
T5 Integrated LED Tube



**A15-P.09**  
T5 Integrated LED Tube  
& Switch



**A16-P.09**  
T5 Glass LED Tube

# B Sensor Lighting 傳感器應用照明

## Microwave Sensor



**B1-P.11**  
Microwave Sensor  
LED T8 Tube



**B2-P.11**  
Antiference Microwave  
Sensor LED T8 Tube



**B3-P.12**  
Microwave Sensor+Sound Control  
LED T8 tube



**B4-P.12**  
Programmable Microwave  
Sensor LED T8 Tube

## Infrared Sensor



**B5-P.13**  
Infrared Sensor T8 Tube



**B6-P.13**  
Programmable Infrared  
Sensor T8 Tube



**B7-P.14**  
T8 Infrared Sensor  
LED Tube



**B8-P.14**  
T8 Triac dimmable  
LED tube

## Sound Control



**B9-P.15**  
Sound Control  
LED T8 Tube



**B10-P.15**  
Programmable Sound  
Control LED T8 Tube



**B11-P.16**  
Photosensor LED  
T8 Tube



**B12-P.16**  
Photosensor & Timer  
ON/OFF T8 Tube



**B13-P.17**  
Programmable Photosensor  
LED T8 Tube

## Photosensor LED

# C Preset & Timer Lighting 預設和計時應用照明



**C1-P.19**  
Manual Preset Dimming DC Tube  
& 80-10v LED Driver



**C2-P.19**  
Manual Preset Power  
Consumption AC T8 Tube



**C3-P.20**  
Time Control ON/OFF  
LED T8 Tube (Dip Switch Selector)

## Dimming Lighting 調光應用照明



**D1-P.22**  
Phase Control Dimming  
T8 LED Tube



**D2-P.22**  
Dimmable LED T8 DC Tube  
& 0-10V LED Driver



**D3-P.23**  
Dimmable LED T8 DC Tube  
& DALI LED Driver



**D4-P.23**  
LED T8 Dual Color DC Tube  
& 0-10V LED Dimming Driver



**D5-P.24**  
Wattage & CCT Selectable  
T8 LED Tube

## Zone Lighting 區域照明

### Linkage Lighting



**E1-P.26**  
Microwave Sensor  
+ RF Linkage



**E2-P.26**  
Infrared Sensor T8 Tube  
+ RF Linkage



**E3-P.27**  
Sound Control T8 Tube  
+ RF Linkage



**E4-P.27**  
Radio Controlled  
Microwave Sensing Linkage



**E5-P.28**  
T8 Bluetooth  
Microwave Sensing Linkage

### Master-slave Lighting



**E6-P.28**  
Master Radio Controlled  
Microwave Sensing Linkage



**E7-P.29**  
Slave Radio Controlled  
Microwave Sensing Linkage



**E8-P.29**  
T5 Slave Radio Controlled  
Microwave Sensing Linkage

### Master Control



**E9-P.30**  
Master Grouping -  
Broadcast Control Wireless Unit

## Special Purpose Lighting 特殊用途照明



F1-P.32

Plant Growth LED  
T8 Tube



F2-P.32

Compatible Electronic Ballast  
T5 LED Tube



F3-P.33

Universal Compatible LED  
T8-T5 Tube



F4-P.33

Textile LED T8 Tube



F5-P.34

DMX512-RGBW LED  
T5 Tube



F6-P.34

Negative ion LED T8 Tube



F7-P.35

Anti UV tube

## PL Tube Series 橫插燈系列

### PL Tube Series



G1-P.37

LED PLC Tube



G2-P.37

LED PLS Tube



G3-P.38

LED PLL Tube

### U Tube Series



G4-P.38

LED U Tube

## IOT Intelligent Lighting IOT智能系列



H1-P.40

WiFi IOT LED T8 Tube



H2-P.40

LoRa LED T8 Tube



H3-P.41

LoRaWAN LED T8 Tube



# Company Profile

## 公司簡介

### ● ABOUT US 關於我們

iLIGHTING Global Enterprise Co. Ltd. emerges as a professional and high-end lighting designer, manufacturer and supplier established in Hong Kong and Mainland China under the Brand name 'iLighting' since 2007. The company is also a strategic OEM/ODM partner of many organization-wide lighting brands. The company devotes herself in the development, manufacturing and marketing of green, low-carbon and energy-saving lighting products. With continuous investment on R&D, we are proud to provide a wide range of LED products and work with worldwide partners in developing and managing Energy Management System (EMS) through the application of 5G and WiFi technology.

iLIGHTING智能環球企業有限公司成立於2007年是一家集高端照明設計、製造和供應為一體的專業照明公司，自2007年起在香港和中國大陸以“iLighting”的名字成立。公司也是許多照明品牌的戰略性OEM/ODM合作夥伴。公司致力於綠色、低碳、節能照明產品的開發、製造和銷售。憑藉對研發的持續投資，我們自豪地提供範圍廣泛的LED產品，並通過應用5G和WiFi科技與全球合作夥伴合作開發和管理能源管理系統(EMS)。

## Product Capacity 生產能力

- LED lighting with integrated design and built-in advanced electronic driver for building lighting retrofit.
- LED indoor and outdoor lighting with internal and external drivers.
- LED lighting emergency fitting and charging packs.
- Extra long life LED lamps for high power high bay and flood lights.
- Total system solution for dimming lighting control deploying WiFi, DALI, Lonwork, Bluetooth 4.0, Zigbee technologies.
- OEM / ODM energy saving lighting as required by clients for new and retrofit installation.
- Total Energy Management Solution for Intelligent Building Management.
- LED照明與集成設計和內置先進的電子驅動器，用於建築照明改造。
- 室內和室外LED照明，有內部和外部驅動器。
- LED照明應急配件和充電器。
- 超長壽命LED燈，適用於大功率高位燈和泛光燈。
- 全系統調光照明控制解決方案，採用WiFi、DALI、Lonwork, Bluetooth 4.0, Zigbee 通訊技術。
- OEM/ODM節能照明，可根據客戶的要求進行更新改造。
- 智能建築管理總能源管理解決方案。

## Our Mission 我們的使命

We look to serve our client with the best quality of products and viable solutions of energy management system through intelligent system integration. Product adaptability is our strength ; continuous improvement is our norm of work and meeting customer satisfaction is our goal.

我們希望通過智能系統集成，為客戶提供最優質的產品和可行的能源管理系統解決方案。產品適應性是我們的優勢，持續改進是我們的工作準則，滿足客戶滿意是我們的目標。

## Our Advantages 我們的優勢

- Excellent after-sale services.
- OEM and ODM for global lighting companies.
- Flexible design and tailor-made products to suit retrofit projects.
- 優良的售後服務。
- 為全球照明公司提供OEM和ODM。
- 靈活的设计和訂制的產品，以適應更新改造項目。



### Office Address:

Room B3, 18/F Bonsun Industrial Building, 364-366 Sha Tsui Road, Tsuen Wan, HongKong

Phone: 852-3107 7500

Fax: 852-3544 0462

E-mail: [info@ilighting.com.hk](mailto:info@ilighting.com.hk)

Website: [www.ilighting.com.hk](http://www.ilighting.com.hk)



# 資質證書 實力認證



## Certificate Display



**HKGBC**  
香港綠色建築議會



**CIC GREEN**  
PRODUCT CERTIFICATION  
香港綠色建築協會



# CE RoHS

CE/LVD, CE/EMC, ROHS

IEC 62471, IEC 62493, IEC 62776, IEC 62778, IEC 61347, IEC 62031, IEC 62384,  
IEC 62612, IEC62560, IEC62717, IEC62722, TM-21-11, -40°C TEST REPORT,

## 香港認可機構-合作實驗室

BST 倍通授權證書



EMTEK信測授權證書



UN 優耐授權證書



CBT 環測威授權證書



STC 標檢授權證書



## ISO & CIC 證書

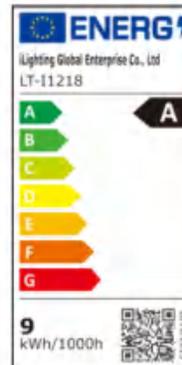
ISO 證書



CIC 證書

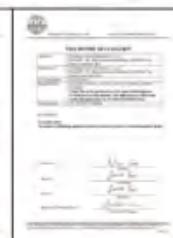
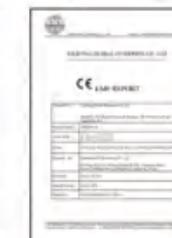
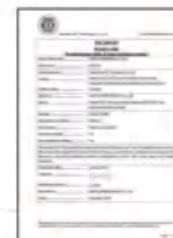
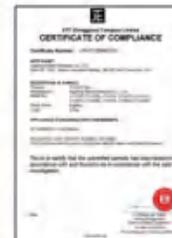


能源標籤



## LED TUBE 證書展示

LED TUBE (N) 證書





**LED TUBE (SP)證書**



**LED TUBE (H)證書**



**LED TUBE (L)證書**



M微波燈管證書



LT-D LED 調光燈管



LED TUBE (R DC TUBE )證書



LED TUBE (G GLASS TUBE )證書



LED TUBE (PM TUBE )證書



UC兼容燈管證書



IB(T5一體化)CE證書



WZ無線調光控制CE證書



LoRaWAN LED Tube證書



# Lighting Basic Concept

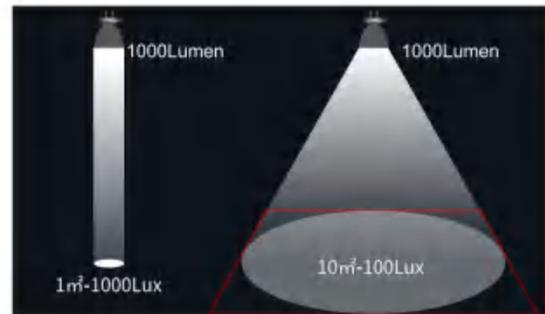
## 照明基本概念



### Lumen 流明

Lumen 實際上是代表著光的強度，也就是光通量(Luminous flux)即指光源在某單位時間內所發出之光線總數量。一般稱作光束)的單位，簡而言之，流明就是光束照在物體表面的量。

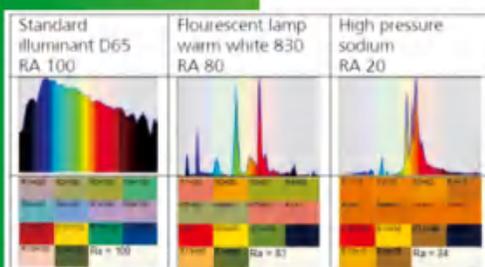
Lumen actually represents the intensity of lights. that is, the luminous flux(Luminous Flux) refers to the unit of the total amount of light emitted by a light source in a unit time, generally referred to as the light beam. In short, lumens is the light beam Amount on the surface of the object.



### Color Rendering Index 顯色性指數

顯色度以Ra來表示，天然光的顯色度為100Ra，顯色度越接近100Ra，我們看到的顏色就越接近物體的自然原色。也就是顏色逼真的程度，顯色度高 我們所看到的顏色也就是較接近自然原色，顯色度低對於顏色的表現較差，所看到的顏色偏差也延遲。

Color rendering is represented by Ra, the color rendering of natural light is 100 Ra, the closer the color rendering is to 100 Ra, the color we see is closer to the natural primary color of the object. Color is realistic. The degree of color rendering is high. The color we see is close to natural primary color, low color rendering, poor performance for color, The color deviation seen is also delayed.





## Color Temperature 色溫

色溫及不同色溫應用什麼環境——以絕對溫度 K (kelvin) 來表示, 色溫度 3000k 以下時, 光色有偏紅的現象 (黃光), 給予一種溫暖、親切、舒適的感覺; 色溫度超過 5000k 時, 顏色則偏向藍光 (白光), 給人一種清冷的感覺, 令環境變得清淨和寧靜。

通常亞熱帶人較喜歡清冷 4000k 以上, 而寒帶的人較喜歡 4000k 以下的色溫度。

Color temperature and what environment is used for different color temperatures—expressed in absolute temperature K (kelvin), when the color temperature is below 3000k, the light color has a reddish phenomenon (yellow light), giving a warm, friendly, comfortable feeling; color temperature exceeds 5000k At this time, the color is biased towards blue light (white light), giving a cool feeling. Make the environment clear and peaceful.

Generally, people in the subtropics prefer cold temperatures above 4000k, while those in the cold regions prefer colors below 4000k.

WB SETTINGS	COLOR TEMPERATURE	LIGHT SOURCES
	10000-15000K	Clear Blue Sky
	6500-8000K	Cloudy Sky / Shade
	6000-7000K	Noon Sunlight
	5500-6500K	Average Daylight
	5000-5500K	Electronic Flash
	4000-5000K	Fluorescent Light
	3000-4000K	Early AM/ Late PM
	2500-3000K	Domestic Lightening
	1000-2000K	Candle Flame



## Life 壽命

分為平均壽命和經濟壽命兩種, 以小時為單位。

### 平均壽命 (rate average life)

例如, 每個 100 個燈泡同時亮著, 若 6000 小時後, 第 50 個燈泡壞掉熄滅, 此燈泡的平均壽命則為 6000 小時。

### 經濟壽命 (economic life)

指流明輸出的總時數

以上, 燈的光通維持率達到標準規定的要求並能繼續燃點至 50% 的燈 (即 50% 的燈失效時的壽命), 同時考慮損壞以及光束輸出衰減的狀況下能維持光源為 70% 以上。

Divided into two types of average life and economic life, in hours.

### Life expectancy (rate average life)

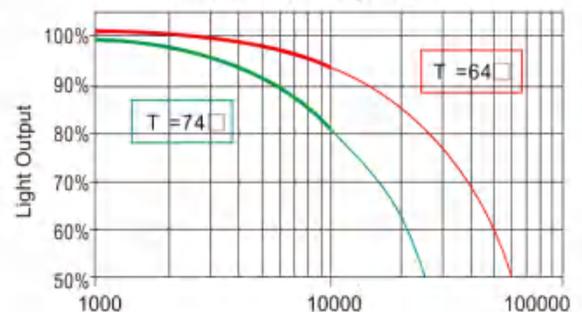
For example, each of the 100 light bulbs is on at the same time. If after 60,000 hours, The 50th lamp is broken and extinguished, and the average life of the lamp is 6000 hours.

### Economic life

Economic life refers to lumen output.

The above, The lumen maintenance rate of the indicator lamp meets the requirements of the standard that can continue burning point to 50% of lamps (ie, that point at 50% of lamp fails). Taking into account for the damage, lumen output decay, it can maintain light source at 70% healthy condition.

Useful Life of High Brightness White LEDs at Different Operating Temperatures



## Fire Proof Material 物料防火等級

塑料阻燃等級由 HB, V-2, V-1 向 V-0 逐級遞增。

HB: UL94 標準中最低的阻燃等級, 要求對於 3 到 13 毫米厚的樣品, 燃燒速度小於 40 毫米每分鐘; 小於 3 毫米厚的樣品, 燃燒速度小於 70 毫米每分鐘; 或者在 100 毫米的標誌前熄滅。

- V-2: 對樣品進行兩次 10秒的燃燒測試後, 火焰在 30秒內熄滅, 可以引燃 30cm下方的藥棉。
- V-1: 對樣品進行兩次 10秒的燃燒測試後, 火焰在 30秒內熄滅, 不能引燃 30cm下方的藥棉。
- V-0: 對樣品進行兩次 10秒的燃燒測試後, 火焰在 10秒內熄滅, 不能有燃燒物掉下。



Plastic flame retardant grades are gradually increased from HB, V-2, V-1 to V-0.

HB: The lowest flame retardant grade in the UL94 standard, Require for 3 to 13mm thick samples with a burning rate of less than 40 mm per minute; less than 3 mm thick samples with a burning rate of less than 70 mm per minute; or stop at 100 mm sign.

V-2: After two 10-second burn tests on the sample, the

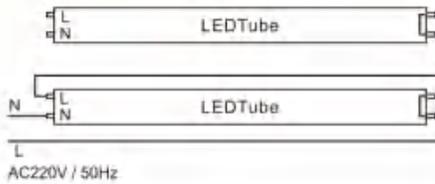
flame stops at 30 seconds, would ignite cotton wool below 30cm.

V-1: After two 10-second fire tests on the sample, the flame was at 30 seconds Inside goes out. Would not ignite cotton wool below 30cm.

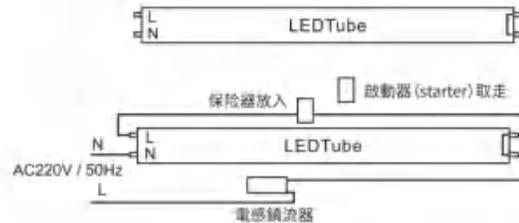
V-0: After two 10-second burn tests on the sample, the flame stops at 10 seconds. No burning substances should fall off.



## Wiring Diagram 接線方案



• 新支架內之接線圖



• 舊支架內之接線圖

• 把T8螢光直管及啟動器 (starter) 取走, 更換單獨端 T8LED直管電感鎮流器, 之後放入保險器, 不需要任何線路上改動。



## Stroboscopic Suppression 頻閃抑制

理想的光源亮度是鎮流後之直流電壓恆定不變的, 這就是理論上的絕對無頻閃。實際上我們平常使用的燈具直流電壓都不會真正的恆定不變, 週期的亮度高低變化程度就是頻率。

市面常見LED驅動電路, 頻閃深度最大的頻率一般都是 100HZ左右。因為PWM高頻是調製在50HZ整流後的電壓

Ideal light source brightness is constant, which is absolute no stroboscopic depth. In fact, the brightness of the lamps we usually install will not be truly stable. The degree of change in the brightness within the period is the frequency.

The common LED drive circuit in the market has the stroboscopic depth at frequency 100 HZ or so. This is because PWM high frequency is modulated on the voltage after 50 HZ rectification. In actual lamps, there will be a certain stroboscopic depth at any frequency. (The difference between the greatest brightest and smallest brightness). Well, there would be the strobe frequency corresponding to the maximum stroboscopic depth, that has the biggest strobe depth value.

The higher the strobe frequency, the smaller the impact is on peoples. As a consulsion, the lower the stroboscopic depth can reduce or eliminate low-frequency light vision fatigue that reduces the burden on the eyes and cares about eye health.

上。實際燈具中, 任何的頻率上都會有一定的頻閃深度(最亮的亮度和最暗的亮度之差)。那麼, 這裡就存在一個頻閃深度最大的時候所對應的頻閃頻率。還有就是最大的頻閃深度值。頻閃頻率越高對人的影響越小, 頻閃深度越小對人的影響越小, 總體來說頻閃深度越小對人降低或消除導致視力疲勞的低頻率光, 減輕眼睛負擔, 關愛眼睛。





## Glare 眩光

是指視野中由於不適宜亮度分佈，是因視野內的亮度大幅超過眼睛所適應，以致引起視覺不舒適和降低物體可見度的視覺條件。視野內產生人眼無法適應之光亮感覺，可能引起厭惡、煩擾、不舒服或視力受損不舒服、甚或喪失明視度。在視野中某一局部地方出現過高的亮度或前後發生過大的亮度變化。

眩光是引起視覺疲勞的重要原因之一。

Refers to the unsuitable brightness distribution in the visual field, resulting in visual discomfort and reduced object visibility Visual conditions. There is a discomfort feeling in the eye vision that a person cannot withstand that would cause disgust, discomfort or even loss of vision. Excessive brightness in a special location of vision, or excessive brightness changes.

Glare is one of the important causes of visual fatigue.



## Power Factor 功率因數

功率因數(簡稱PF),是一負載所消耗的有功功率與其視在功率的比值,純電阻負載的視在功率等於有功功率,其功率因數為1。若是由電感、電容及電阻組成的負載,功率因數會小於1。

功率因數在一定程度上反映了發電機容量得以利用的比例,是合理用電的重要指標。功率因數的高低,對於電氣設備的利用率和分析、研究電能消耗等問題都有十分重要的意義。電力公司為了反映較大容量設備及浪費能量的成本,一般會對功率因數較低的工商業用戶以較高的電費費率來計算電費。

Power factor (referred to as PF), is a load consumed by the active power and its apparent power ratio, pure resistance load apparent power is equal to the active power, its power factor is 1. If the load is composed of inductance, capacitance and resistance, the power factor will be less than 1.

Power factor to a certain extent reflects the proportion of generator capacity to be utilized, is an important indicator of rational use of electricity. The level of power factor, for the utilization of electrical

Minimum Allowable Power Factor For LED Lamp With Integrated Driver

Rated Lamp Wattage(LW)	minimum allowable power factor
LW ≤ 5W	0.5
5W < LW ≤ 25W	0.7
LW > 25W	0.9

Information refer to Hong Kong Voluntary Energy Efficiency Labelling for LED Lamp- January 2017 EMSD (Electrical and Mechanical Services Department)

equipment and analysis, research and power consumption and other issues are of great significance. In order to reflect the cost of larger capacity equipment and wasted energy, the power company will generally lower power factor of industrial and commercial users to higher rates to calculate the electricity bill. Translated with DeepL.com (free version)



## Light source efficiency lm/w (lumen efficiency) 光源效率 lm/w (流明效率)

光源的效率取決於其所發出的光的流明除以起耗電量所得值LED光亮度,並非似功耗(W)度量,而是以流明輸出(lm)來決定。

iLighting LED 流明效益高,更有歐洲A級能源標籤,保證節電環保。

The efficiency of a light source depends on the lumen of the light it emits divided by the power consumption LED brightness is not similar to wattage (W) measurement, but measured in lumens output (lm) Decide.

iLighting LED Lumen has high lumen efficiency, and it also has obtained European A energy label to ensure power saving and environmental protection.





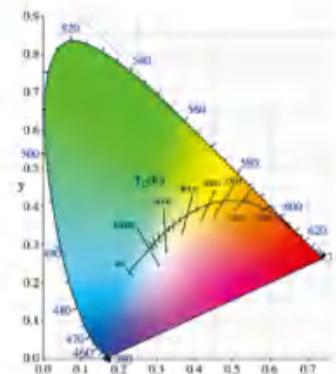
## LED International standard for chromaticity difference LED 光源色度差異之國際標準

Chromaticity Tolerances

Quadrangles

- In both  $\Delta$ CCT and Duv directions
- Approximately equal to 7-step MacAdam ellipses

Nominal CCT	Target CCT and tolerance(K)	Target DUV and tolerance(K)
2700k	2725 ± 145	0.000 ± 0.006
3000k	3045 ± 175	0.000 ± 0.006
3500k	3465 ± 245	0.000 ± 0.006
4000k	3985 ± 275	0.001 ± 0.006
4500k	4503 ± 243	0.001 ± 0.006
5000k	5026 ± 283	0.002 ± 0.006
5700k	5665 ± 355	0.002 ± 0.006
6500k	6530 ± 510	0.003 ± 0.006
Flexible CCT(2700-6500k)	T* ± $\Delta$ T*	D <sub>v</sub> ± 0.006



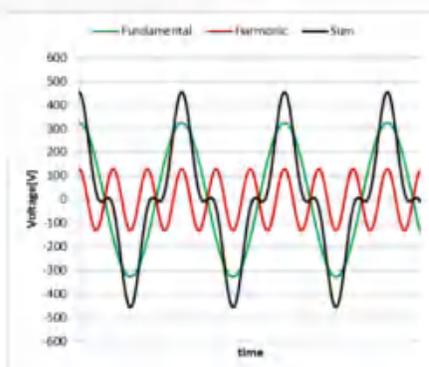
The LED lamp must have one of the rated Correlated Colour Temperatures (CCTs) including 2700K,3000K,3500K,4000K,4500K,5000K,5700K,6500K and flexible CCT consistent with the 7-step chromaticity, quadrangles and Duv tolerances as indicated in Table1.The measured initial CCT and initial DUV shall be within the tolerances of target CCT and target DUV of the selected rated CCT.



## Total Harmonic Distortion (THD) 總諧波失真

THD 是驅動電路中的各種非線性元件工作時產生的倍數於電源頻率 (50-60HZ) 的周期性電流電壓干擾，經驅動電路的輸入端反竄入電網迴路中，造成電網的工作頻率不純淨 (如 50HZ電網中夾雜著 100HZ、150HZ、200HZ等等) 的多種雜波電流，影響其它附近的用電設備，嚴重的會竄到總電網中乾擾損壞電力設備。

例如：各種精密儀器設備、生命維持設備就對使用的電源品質要求很高，如果使用了諧波大的電網或附近有高諧波的用電設備造成電網諧波過高，輕則會干擾儀器的精度，重則可能會導致儀器工作不正常甚至不工作、燒毀等……



THD's dimming application scheme is the periodic current and voltage interference that multiples of the power supply frequency (50-60HZ) is generated during the operation of various non-linear components in the drive circuit, and then back into the grid circuit through the input of the drive circuit. Causes the impure working frequency of the power grid (for example, a variety of clutter currents of 100HZ, 150HZ, 200HZ, etc. are mixed in the 50HZ power grid), affects other nearby electrical equipment, and can seriously damage the power equipment by channeling into the overall power grid.

For example: various precision instruments and life support equipment have high requirements on the quality of the power supply used. If the network harmonic is too high, it will interfere with the accuracy of the instrument in the light, and it may cause the instrument to work abnormally or even not work, burn out, etc ...



## Lux 平均照度

平均照度應用要求照度的定義為被照體單位面積所受的光通量，其單位為勒克斯( LUX)，每一不同使用目的的場所，均有其合適的照度來配合實際需要。例如，一般家庭書房的全般照明照度約為 100 LUX，閱讀時則需要照度 600 LUX，此時可用檯燈作為局部照明，以達到所需照度。照度太低時，容易導致眼睛疲勞造成近視，照度太高則過分明亮刺眼，形成電力浪費。

Lux is defined as the average luminous flux per unit area of the subject, and its unit is lux. Every place with different usage purpose has its own suitable illumination to meet the actual needs. For example, the general illumination of an ordinary home study is about 100 LUX, while reading requires 600 LUX. At this time, a table lamp can be used as local lighting to achieve the required illuminance. When the illuminance is too low, it is easy to cause eye fatigue and myopia, and when the illuminance is too high, it is too bright and dazzling, resulting in waste of electricity.

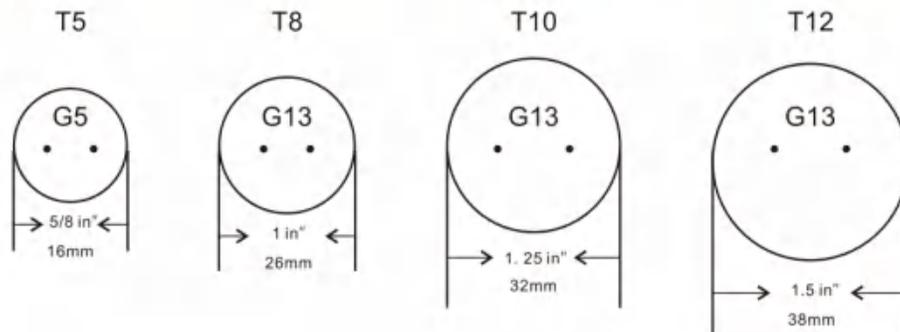
照度 (LUX)	場所 辦公場所
1500~750	製圖室、設計室、辦公室
750~300	辦公室、電腦室、會議室
300~100	廁所、走廊、樓梯、休息室、其他場所
75~30	太平梯

照度 (LUX)	場所 工廠
3000~1500	組裝作業、檢查、測試、分析、超細微作業、檢查
1500~750	組裝作業、檢查、測試分析、細微作業
750~300	組裝作業、檢查、測試分析、普通作業
300~150	包裝、倉庫

照度 (LUX)	場所 學校
1500~300	精密製圖、精密實驗、圖書館
750~200	教室、圖書館閱覽室、教職員工休息室、體育館
300~75	演講大廳/禮堂、衣物間、走廊、樓梯、休息室
75~30	倉庫、安全梯
10~2	通道(夜間使用)



## Tube length and size specifications 管長度及尺寸規格



# Our Lighting can provide

## Features

### 我們的照明可以……



#### 高顯色度·低色容差

High color rendering and low color tolerance



2700k  
CRI 97

2700k  
CRI 90

2700k  
CRI 80

2700k  
CRI 70

Low color tolerance SDCM <3%

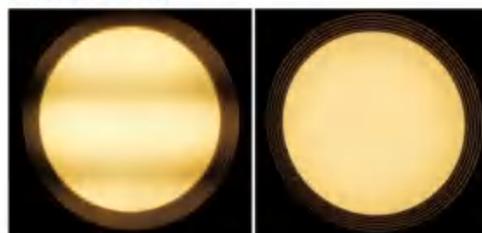
顯色度可達97Ra，接近自然色。

The color rendering degree can reach 97Ra, which is close to natural color.



#### 無閃頻

Flicker-Free



LED Tube = Flicker Free

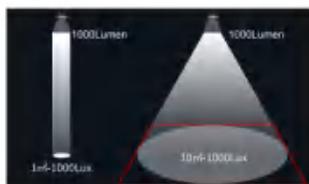
頻閃指數小於4%，頻閃深度越小，對人眼的影響越小。

The stroboscopic index is less than 4%, The smaller the stroboscopic depth, the less impact on human eyes.



#### 高能源效益·高流明

High color rendering and low color tolerance



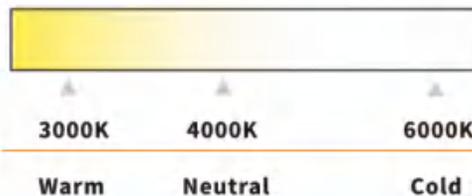
流明效益高，燈管光源效率最高210lm/W，更有最新歐洲A級能源標籤，保證節電環保。

It has high lumen efficiency, the highest light source efficiency of 210lm/W, and the latest European A-class energy label, ensuring energy-saving and environmental protection.



#### 更改顏色和調光

Change Color and Dimming



3000K

4000K

6000K

Warm

Neutral

Cold



Dimming



## 低光衰·壽命長

Low light decay & long life expectancy

運行35000小時後，可保持至少80%的初始流明輸出。經認可的實驗室進行的光衰減測試表明，每10000小時<5%，50000小時不超過25%。

Can maintain at least 80% of initial lumen output after operating 35000 hours. The light decay tests by accredited laboratories demonstrate <5% every 10,000 hrs and no more than 25% for 50,000 hrs.



## 防火等級V-0物料

V-0 Fire Retardant Material

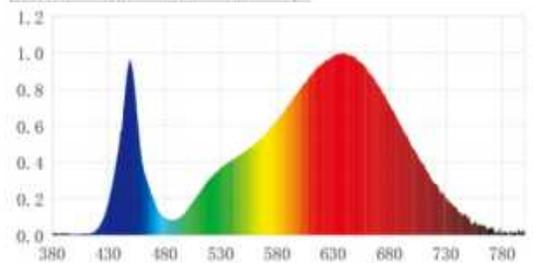
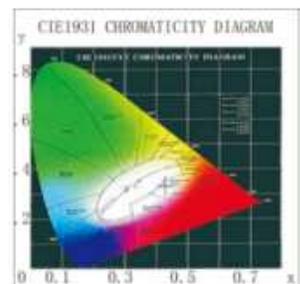
產品所用材質為V-0級優質材料，使用更安全。消防署FSD104認可，通過高溫防火測試，放電三小時測試。

The material used in the product is V-0 high-quality material, which is safer to use. Approved by the Fire Department FSD104, it has passed the high temperature fire test and discharge test for three hours.



## 全光譜

Full Spectrum



## 高效表現

High performance

- 輸入寬電壓AC85-265V，全球通用；
- 負40度仍正常工作；
- PF高達0.99以上；
- 如1顆LED損壞不影響其他LED，照常工作。

- Ac85-265v wide input voltage, universal;
- Minus 40 degrees is still working;
- PF as high as 0.99 and above;
- If 1 LED is damaged, other leds will not be affected and work as usual.

# Provide you with a variety of options

## 為您提供多種選擇方案……



### 燈頭T8轉T5

Lamp cap T8 to T5



T8 L管



T8轉T5 L管



T8 N管



T8轉T5 N管



### 旋轉頭搭配

Spin head matching



T5旋轉頭



T8旋轉頭



### 不同品牌燈珠可選

Different brands of lamp beads can be selected



三星



綠明



韓國首爾

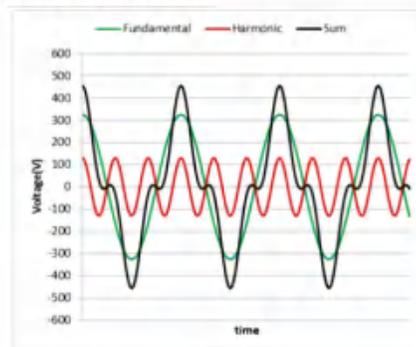


### 低諧波指數THD $\leq$ 6%

Total Harmonic Distortion

總諧波指數THD $<$ 15%，可按客戶需要生產低總諧波指數 $<$ 10%， $\leq$ 6%

Our standard total harmonic index THD $<$ 15%, According to customer requirements can produce a lower THD $<$ 10%, THD $\leq$ 6%.



## ▶ 高功率 High Power

功率可做到比市場高80%，1.2m功率達到36W，也生產不同功率，配合能源節能計劃。

The power can be 80% higher than the market. For example, 36W for our 1.2M tubes. Different power options are available for energy plans.

## ▶ 參數定制 Parameter customization

100 lm/w	120 lm/w	CRI 90
----------	----------	--------

N管 max 22w(4ft)	L管 max 36w(4ft)
-----------------	-----------------

光效 (lm/W)、功率 (W)、顯色指數 (CRI)，可根據客戶需求定制。

Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.

## ▶ 多項產品證書 Multiple product certificates

- CE/LVD、CE/EMC、RoHS
- LVD : IEC62776、IEC 62471、IEC 62384、IEC 62031
- EMC/EMF : IEC 62493、IEC 62612



## ▶ 灯管保養 LED tube maintenance

產品保養選擇

3年 three years	4年 four years	5年 five years
-------------------	------------------	------------------

# Sensor Lighting Series

## 感應照明系列

### Microwave Sensor LED Tube 微波感應LED燈管



microwave

M



6-8m

**Standby mode** ➔ Brightness 30% (user preset)

**Activated** ➔ Brightness 100%

The microwave sensor LED tube can generate bright and slightly bright dual brightness effect by receiving the reflected waveform when the moving object enters the electromagnetic wave environment.

### Infrared Sensor LED Tube 紅外感應LED燈管



PIR signal

IR



3-5m

**Standby mode** ➔ Brightness 30% (user preset)

**Activated** ➔ Brightness 100%

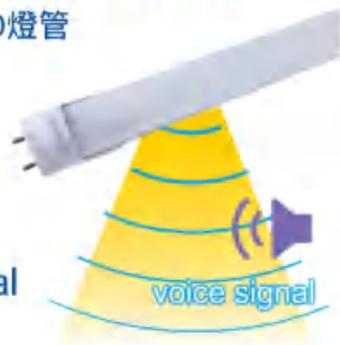
The Infrared Sensor LED Tube uses infrared and pyroelectric principles. When objects with temperature enter the sensing range of the lamp, the induction module will output signals, thus producing a bright and slightly bright dual brightness effect.

### Sound Control LED Tube 聲控感應LED燈管



voice signal

V



30-60dB

**Standby mode** ➔ Brightness 30% (user preset)

**Activated** ➔ Brightness 100%

The voice sensing LED tube automatically adjusts the working state by intelligently detecting the sound of the surrounding environment.

### Photosensor LED Tube 光控感應LED燈管



daylight signal

MS



10LUX-300LUX

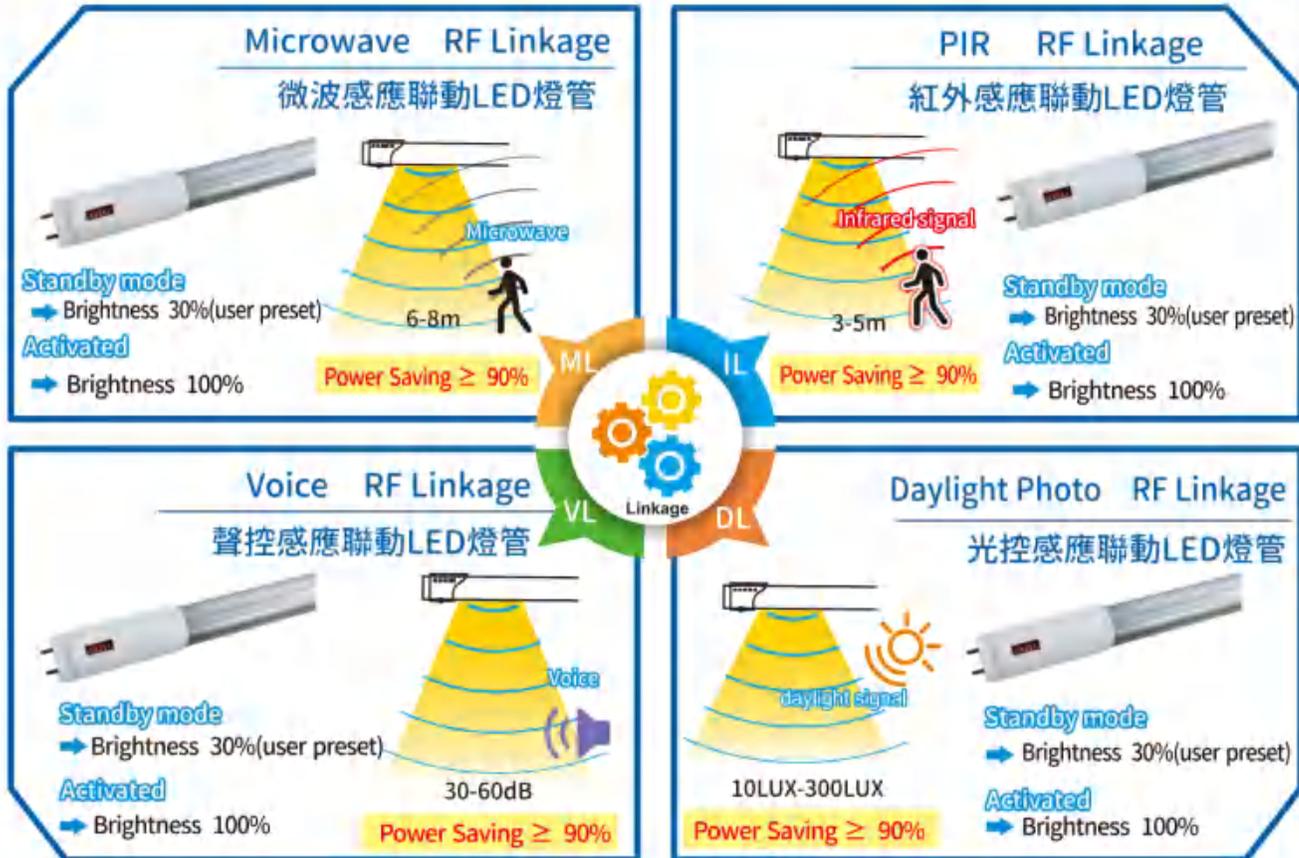
**Standby mode** ➔ Brightness 30% (user preset)

**Activated** ➔ Brightness 100%

The photosensor LED tube automatically turns on and off by sensing the intensity of the ambient brightness.

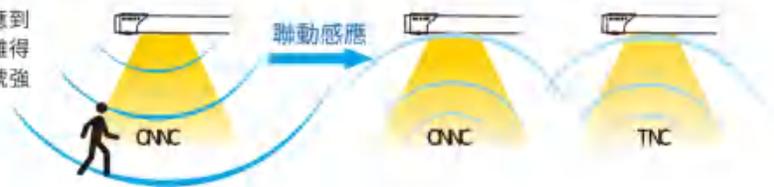
# Sensor + RF Linkage Zone Lighting

## 感應+區域聯動照明



每一燈管都有接收到感應信號(不需要APP操作)。當第一感應到信號時,就會發出無線波信號,附近的燈管都會受到接受到信號,離得近的接受信號強,遠的接受信號弱,接收到信號的燈管會根據信號強弱做出不同層次的光度響應,如果沒接收到信號則不響應。

當燈管單獨感應到外界信號也會實時做出響應,操作簡單。



一、車輛進入地下車庫,微波感應到A信號,亮度100%,同時發出無線B信號,通知附近相鄰的燈依次亮起60%,40%,20%亮度。



二、車輛駛入,微波感應到的燈依次亮起100%亮度,之前的節點延時後,根據遠近輸出60%,40%,20%亮度。(導航照明,波浪照明)



三、無微波感應信號A,且沒有無線命令B之後,燈進入休眠照度。(10%或指定亮度)



四、多車輛檢測時,附近感應燈會收到多條無線控制指令,只讀取最高亮度指令。(亮度優先)

# Sensor Lighting Series

## 感應+主僕照明



智能感應 | 自動調光 | 主僕控制  
Smart Sensing | Automatic Dimming | Regional Linkage

RF

Master1 亮  
Slave 1.1 同步亮

使用撥碼將燈管進行分組，運用RF射頻技術控制，一根主管可以帶動多隻僕管，實現不同區域不同要求分別控制。  
主管根據微波感應或者其他主管同步關聯對僕管下達的指令，僕管只根據主管指令進行亮燈，不受其他信號干擾。  
燈管休眠等待時間可用撥碼預設5秒至60分鐘。

master1 slave1 slave1.1  
control synchronous lighting  
CNC CNC CNC

master2 slave2 slave2.2  
control synchronous lighting  
CNC CNC CNC

分組照明不干擾

Master Slave  
Microwave sensor

22 F master 30% Slave 30%  
21F master 30% Slave 30%  
20 F 100% master Slave 100%  
Slave 21F+20F  
Slave 19F+20F

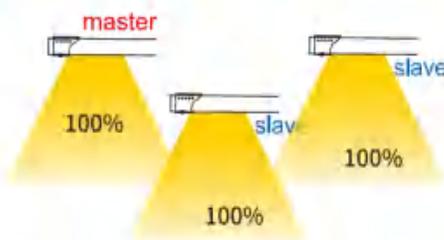
在樓梯運用中，將不同樓層進行分區，每一隻主管帶動多隻僕管；當有人進入感應區域時，主管變亮，對應區域的僕管同步變亮，而其他區域這不受干擾。

從20樓出來，由於不清楚是上樓還是下樓，所以上下樓層都會收到master信號，燈管同步亮。

當有人或車進入到感應區域時，主管接收到感應信號，亮度立即會調至全亮，僕管收到主管發出的信號，立即同步全亮。當人或車經過後，一段時間延時後，主管變為30%或者全滅（設定休眠亮度），僕管將同步30%或者全滅。



### Master Grouping - Broadcast Control Wireless Unit



#### Unified Management

The total address of the controller consists of 15 groups from 01 to 15.

Power On → master & slave → Brightness 100%  
Power Outage → master & slave → Regular Service

#### Regular Management

You can set the working status at different time periods.

#### Remote Control

Radio coverage area (radius) 300M

# LoRaWAN LED Tube LoRaWAN照明



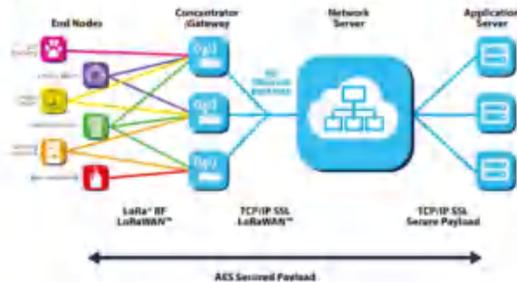
節能環保 | 智能照明 | 區域控制  
Energy Conservation | Intelligent Lighting | Zone Control

## What is LoRaWAN?

LoRaWAN is a physical layer or wireless modulation used to establish Long-distance communication link. The name of LoRaWAN is long range radio, which realizes the unification of low power consumption and long distance.

## LoRaWAN & Lighting

iLighting combining with LoRaWAN technology and its long-distance communication, the wireless lighting control system with certain distance is realized.



## Characteristics LoRaWAN智能照明特點

Remote Control • Long Transmission Distance 遠程控制•傳輸距離遠

- The use of point-to-point star communication mode to achieve long-distance transmission, the application of client /APP control lighting system and data management, LoRaWAN technology is more suitable for low-cost large-scale Internet of Things deployment.
- Transmission distance: 2-5 Km in towns, up to 15 Km in suburbs.

Anti-interference • Strong Penetration 抗干擾•穿透力強

- Anti-interference: LoRaWAN wireless technology can transmit small-capacity data through a wide range of radio spectrum by using high spreading factor, even if it uses the same frequency to send signals to the host at the same time, it will not interfere with each other.
- Working frequency: ISM frequency band includes 433, 868, 915 Mh, etc., with strong wall penetration ability.

Low Power Consumption • Long Life 低功耗•壽命長

- Capacity: a LORAWAN gateway can connect thousands of LORAWAN nodes.
- Battery life: up to 10 years; Lamp life: up to 50,000H.

# Network Wireless Tube 無線照明

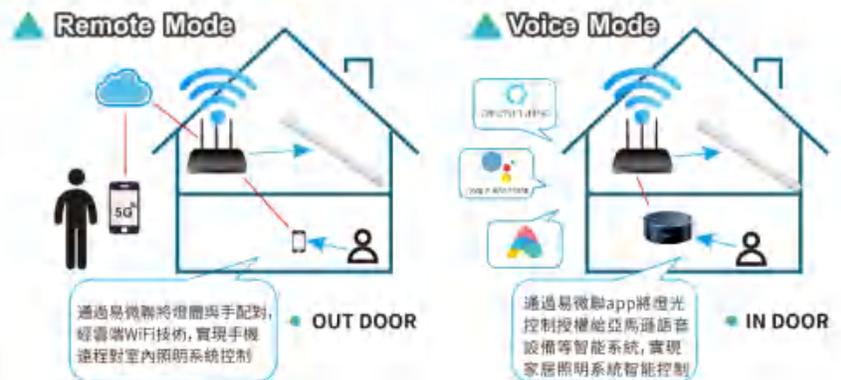


節能環保 | 智能照明 | 區域控制  
Energy Conservation | Intelligent Lighting | Zone Control



## WiFi & Lighting

iLighting combining with WiFi technology, using its ultra long distance communication and cloud technology, it can realize a certain distance wireless lighting control system.



Intelligent Control • On-demand Lighting 智能控制•按需照明

- Easy-to-connect paired lamps can be directly controlled by mobile phone and intelligently controlled by voice.
- Intelligent timing: timing control, delayed lighting, cycle timing, to meet people's needs for lighting at different times and in different spaces.

Human Lighting • Easier To Manage 人性化照明•更易管理

- Adapt to different requirements of different areas for lighting, and flexibly control lighting in different areas.
- The traditional switch control lighting is transformed into intelligent management to improve the quality of lighting.



# General Lighting

一般應用照明

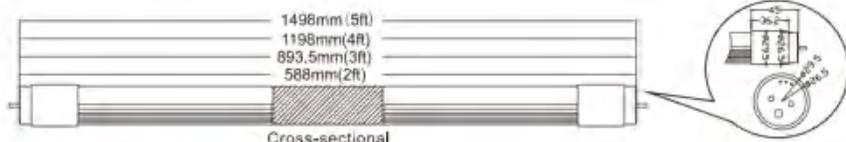
by Stock

# High Performance LED T8 Tube

## Series Type: N

### Features 產品特點 >>

- Uniform light emission.
- Retrofit to existing T8 lights on EM.
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned.
- Latest LED lighting standard IEC62560, EN62776, EN62493 certified.
- Photo-biological test IEC62471 certification-exemption group.



### Specification 產品規格 >>

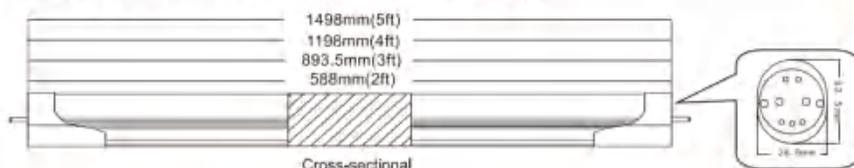
Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(lm/W)	(CRI)		(pcs)
LT-I0609-N128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I0912-N128A	100~240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-N128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-N128A	100~240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

# Commercial LED T8 Tube

## Series Type: L

### Features 產品特點 >>

- Uniform light emission.
- Retrofit to existing T8 lights on EM.
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned.
- Latest LED lighting standard IEC62560, EN62776, EN62493 certified.
- Photo-biological test IEC62471 certification-exemption group.



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(lm/W)	(CRI)		(pcs)
LT-I0609-L128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I0912-L128A	100~240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-L128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-L128A	100~240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI). Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.

# Wide Angle LED T8 Tube

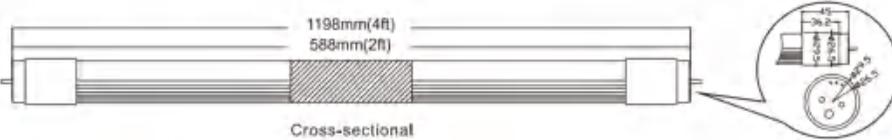
## Series Type: S

### Features 產品特點 >>

- Uniform light emission.
- Retrofit to existing T8 lights on EM.
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned.
- Latest LED lighting standard IEC62560, EN62776, EN62493 certified.
- Wide angle (300 degrees) for best lighting effect.



100% Free  
!無藍光!  
保護視力



### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs.)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-0609-S128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-11218-S128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25

# Nano Plastic LED T8 Tube

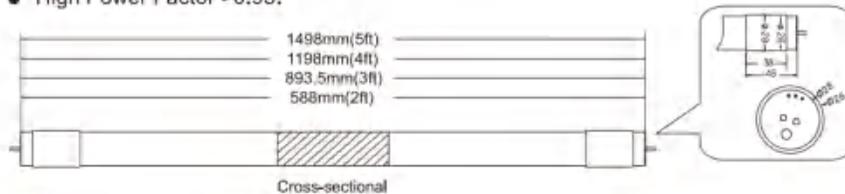
## Series Type: NP

### Features 產品特點 >>

- Light body weigh, Safe to use.
- Non glare design.
- Fully sealed for use in dry or wet locations.
- Wide beam angle (> 300 degree).
- High Power Factor >0.95.



100% Free  
!無藍光!  
保護視力



### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs.)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-0609-NP128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-0912-NP128A	100~240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-11218-NP128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-1522-NP128A	100~240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

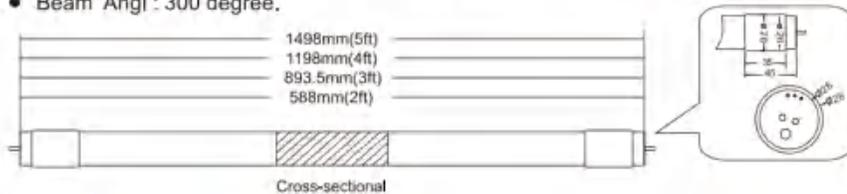
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.

# Glass LED T8 Tube

## Series Type: G

### Features 產品特點 >>

- Uniform light emission.
- High luminous output & low power consumption.
- Retrofit to existing T8 lights on EM.
- SPM design – Power circuit protection to cut off individual LEDs when mal-functioned.
- Beam Angl : 300 degree.



LED Tube  
(燈管類)  
保護視力



### Specification 產品規格 >>

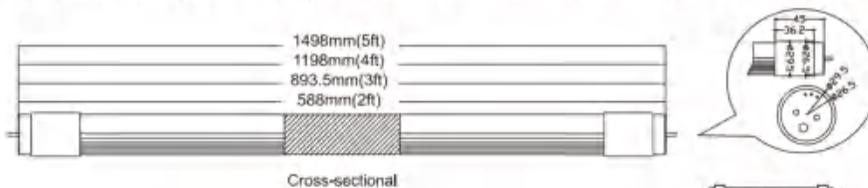
Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs.)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs.)
LT-I0609-G128A	100-240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I0912-G128A	100-240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-G128A	100-240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-G128A	100-240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

# DC LED T8 Tube with External Driver

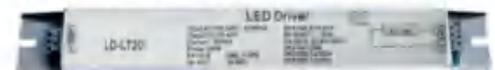
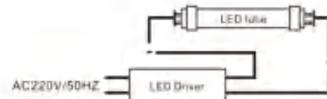
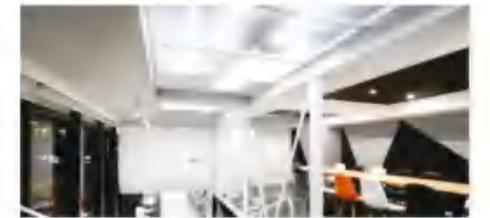
## Series Type: R-N

### Features 產品特點 >>

- Uniform light emission.
- Retrofit to existing T8 lights on EM.
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned.



LED Tube  
(燈管類)  
保護視力



Model:LD-LT20

### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs.)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs.)
LT-R0609-N128A	30-42	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-R0912-N128A	30-42	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-R1218-N128A	30-42	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-R1522-N128A	30-42	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

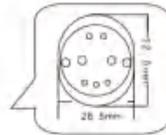
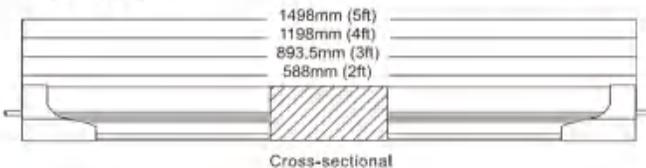
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI). Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%. According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.

# High Power LED T8 Tube

## Series Type: SP

### Features 產品特點 >>

- Uniform light emission.
- Retrofit to existing T8 lights on EM.
- SPM design-Power circuit protection to cut off individual LEDs when mal-functioned.
- High luminous output ( 100-150lum/W ) & high power Maximum.(18W /0.6M, 36W/1.2M, 45W/1.5M )



### Specification 產品規格 >>

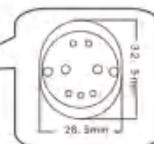
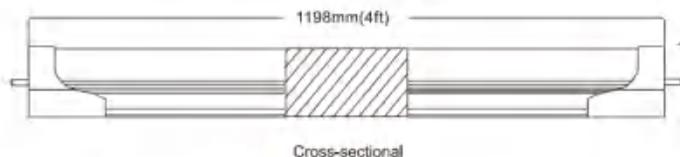
Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-J0618-SP128A	100-240	18	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-J0921-SP128A	100-240	21	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-J1228-SP128A	100-240	28	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-J1236-SP128A	100-240	36	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-J1535-SP128A	100-240	35	1500	50000	3000/4000/6500	120	>80	T8,G13	25
LT-J1545-SP128A	100-240	45	1500	50000	3000/4000/6500	120	>80	T8,G13	25

# High Lumen LED T8 Tube

## Series Type: L-HL

### Features 產品特點 >>

- Uniform light emission.
- Retrofit to existing T8 lights.
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned.
- T8 tube body to achieve the best lighting effect.
- It save 80% energy than traditional fluorescent lamp.



### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-J1218-L197A-HL	100-240	18	1200	50000	4000/6500	190	>70	T8,G13	25

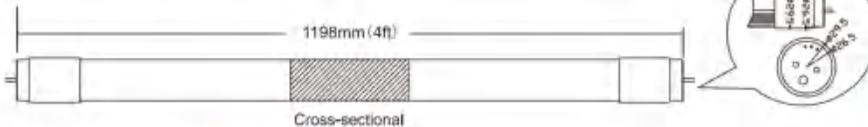
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.

# Full Spectrum LED T8 Tube

## Series Type: N-FS

### Features 產品特點 >>

- Can simulate natural light and improve circadian rhythm.
- Can reduce eye fatigue and improve overall visual comfort.
- Using 2835 size package mode, R1-R15>90 or R1-R15>95 two options.
- RGO certification provides light efficiency requirements and effective guarantee for various lighting needs.
- It is suitable for classroom, office, meeting room, etc.



### Specification 產品規格 >>

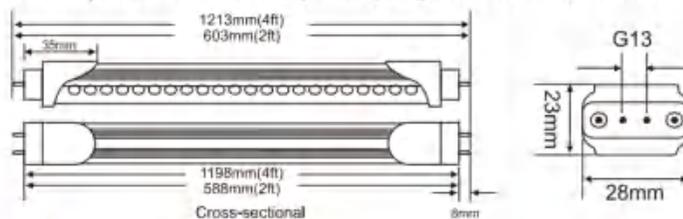
Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(Lm/W)	(CRI)		(pcs)
LT-I1218-N898A-FS	100~240	18	1200	50000	3000/4000/6500	80	>98	T8,G13	25

# T8 Ultra-energy-saving Anti-glare LED TUBE

## Series Type: SL

### Features 產品特點 >>

- Compared with the LED lamp, the power is 20W, saving 300% energy, high brightness, and even light output.
- Anti dazzle design, dazzle value UGR is less than 19.
- Instant start, no flickering, no humming.
- Special circuit design, each group of LEDs work separately, avoiding any problem of lighting output caused or influenced by single faulty LED.
- It is resistant to radio interference and does not flicker when used in large quantities.
- Applicable to: production line, underground garage, commercial purposes.



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(Lm/W)	(CRI)		(pcs)
LT-I0609-SL	90-265	3	600	50000	3000-6500	160	>80	T8,G13	30
LT-I1218-SL	90-265	6	1200	50000	3000-6500	160	>80	T8,G13	30

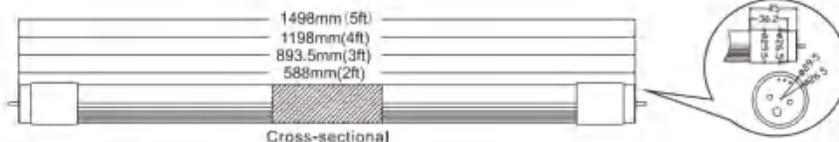
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI). Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.

# T8 Wide angle LED Tube

## Series Type: S

### Features 產品特點 >>

- Uniform light emission.
- Retrofit to existing T8 lights on EM,
- SPM design-Power circuit protection to cut off individual LEDs when mal-functioned.
- High luminous output ( 100-150lum/W ) & 300-degree beam angle.



### Specification 產品規格 >>

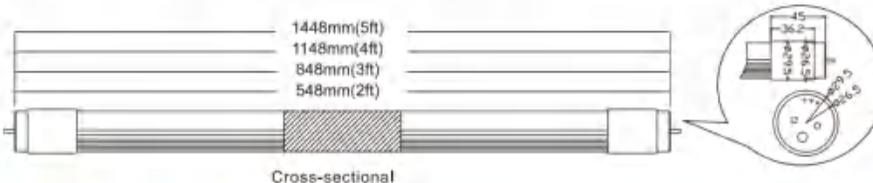
Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-I0609-S	100-240	9	600	30000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-S	100-240	18	1200	30000	3000/4000/6500	120	>80	T8,G13	25

# High Performance LED T8-T5 Tube

## Series Type: N-T5G5

### Features 產品特點 >>

- Uniform light emission.
- Retrofit to existing T5 lights.
- SPM design-Power circuit protection to cut off individual LEDs when mal-functioned.
- T8 tube body to achieve the best lighting effect.



### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-I0609-N128A-T5G5	100-240	9	600	50000	3000/4000/6500	120	>80	T5,G5	25
LT-I0912-N128A-T5G5	100-240	12	900	50000	3000/4000/6500	120	>80	T5,G5	25
LT-I1218-N128A-T5G5	100-240	18	1200	50000	3000/4000/6500	120	>80	T5,G5	25
LT-I1522-N128A-T5G5	100-240	22	1500	50000	3000/4000/6500	120	>80	T5,G5	25

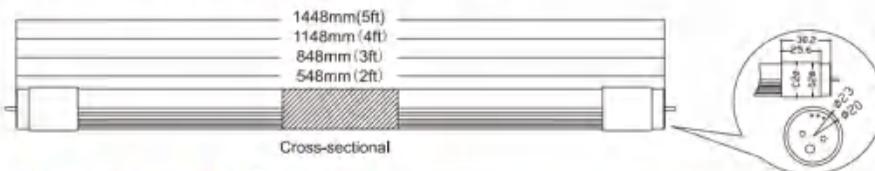
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.

# LED T5 Tube

## Series Type: I5-N

### Features 產品特點 >>

- Uniform light emission.
- Retrofit to existing T5 lights.
- SPM Design – power circuit protection to cut off.
- T6 tube body to achieve the best lighting effect.
- Emergency option available: compatible in use with most emergency battery brands & comply with part A11 of FSD regulation PPA104.



### Specification 產品規格 >>

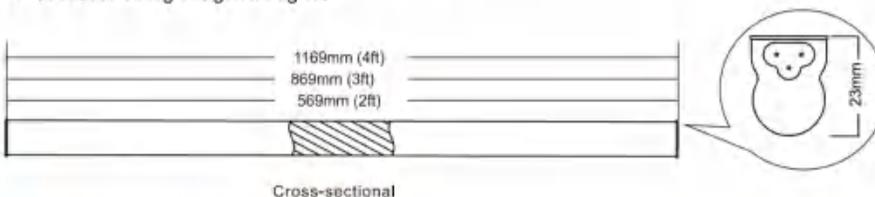
Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-I50608-N128A	100~240	8	600	50000	3000/4000/6000	120	>80	T5,G5	50
LT-I50911-N128A	100~240	11	900	50000	3000/4000/6000	120	>80	T5,G5	50
LT-I51216-N128A	100~240	16	1200	50000	3000/4000/6000	120	>80	T5,G5	50
LT-I51520-N128A	100~240	20	1500	50000	3000/4000/6000	120	>80	T5,G5	50

# T5 Integrated LED Tube

## Series Type: IB

### Features 產品特點 >>

- T5 integrated tube with internal driver stand.
- Tubes linked together by plugs or cables.
- Seamless lighting output, No dark spot seen.
- Ideal for using in light troughs.



### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	PCS/CTN 每箱數量 (pcs)
LT-I0609-IB128A	100~240	9	600	50000	3000/4000/6500	120	>80	25
LT-I0912-IB128A	100~240	12	900	50000	3000/4000/6500	120	>80	25
LT-I1216-IB128A	100~240	16	1200	50000	3000/4000/6500	120	>80	25

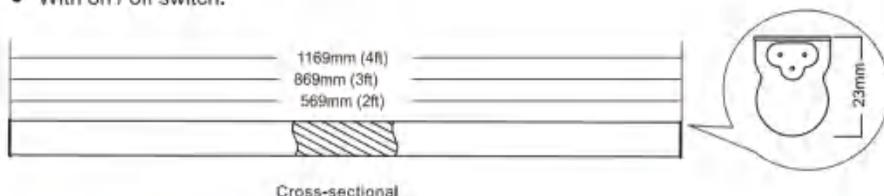
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI). Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.

# T5 Integrated LED Tube & Switch<sup>h</sup>

## Series Type: IB-S

### Features 產品特點 >>

- T5 integrated tube with internal driver stand.
- Tubes linked together by plugs or cables.
- Seamless lighting output, No dark spot seen.
- Ideal for using in light troughs.
- With on / off switch.



Anti-glare  
防眩光



### Specification 產品規格 >>

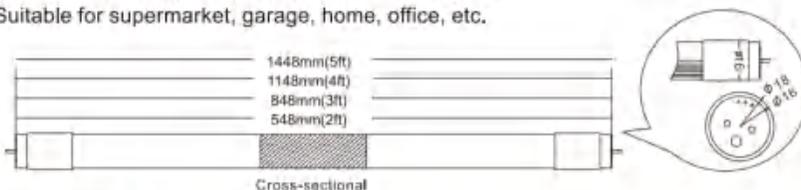
Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	PCS/CTN 每箱數量 (pcs)
LT-I0606-IB128A-S	100~240	4	300	50000	3000/4000/6500	120	>80	25
LT-I0609-IB128A-S	100~240	8	600	50000	3000/4000/6500	120	>80	25
LT-I0912-IB128A-S	100~240	12	900	50000	3000/4000/6500	120	>80	25
LT-I1216-IB128A-S	100~240	16	1200	50000	3000/4000/6500	120	>80	25

# T5 Glass LED Tube

## Series Type: I5-G-HP

### Features 產品特點 >>

- High power, high light efficiency, high efficiency and durable.
- Luminous uniform, no video flash.
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned.
- Pure thermal conductive glass tube does not deteriorate yellow, high luminous maintenance rate
- Strong compatibility, easy to install and use, long life.
- Suitable for supermarket, garage, home, office, etc.



High Power  
高功率  
保護視力



### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-I50608-G148A-HP	100~240	8	600	50000	3000/4000/6000	140	>80	T5,G5	50
LT-I50912-G148A-HP	100~240	12	900	50000	3000/4000/6000	140	>80	T5,G5	50
LT-I51216-G148A-HP	100~240	16	1200	50000	3000/4000/6000	140	>80	T5,G5	50
LT-I51520-G148A-HP	100~240	20	1500	50000	3000/4000/6000	140	>80	T5,G5	50
LT-I51226-G168A-HP	100~240	26	1200	50000	4000/6000	160	>80	T5,G5	50
LT-I51526-G168A-HP	100~240	26	1500	50000	4000/6000	160	>80	T5,G5	50

- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.



# Sensor Lighting

傳感器應用照明

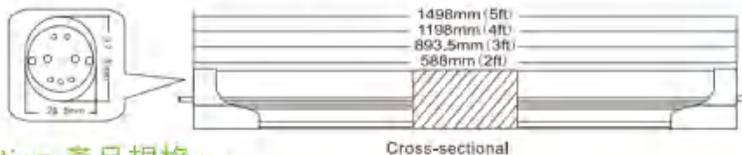


# Microwave Sensor LED T8 Tube

## Series Type: M

### Features 產品特點 >>

- Microwave controlled internal sensor detection distance of 6-8M.
- Full lumen in activation mode 30% lumen in standby mode.
- Direct replacement of FL tubes in electro-magnetic ballast fitting.
- SPM Design – power circuit protection to cut off individual LEDs when mal-function
- Exit time 15s-60mins.
- Emergency option available: compatible in use with most emergency battery brands & comply with part A11 of FSD regulation PPA104.



### Specification 產品規格 >>

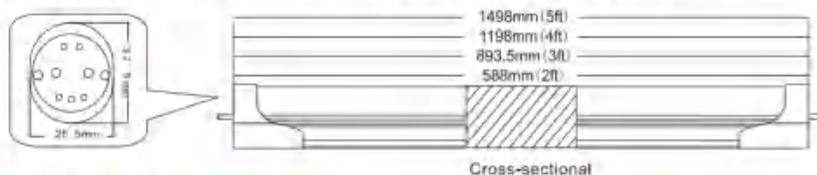
Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(lm/W)	(CRI)		(pcs)
LT-I0609-M128A	100-240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I0912-M128A	100-240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-M128A	100-240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-M128A	100-240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

# Antiferrence Microwave Sensor LED T8 Tube

## Series Type: M-AI

### Features 產品特點 >>

- Anti-interference design, you can put two microwave tubes at close range under double brackets without interfering with each other.
- Sensor detection distance of 6-8 meter, Full lumen in activation mode, 30% lumen in standby mode.
- No interference from heat source and light source, high stability, long sensing distance.
- It has high sensitivity and no blind area. When there is an object moving, it will be sensed.
- Easy to install, strong hiding ability, can penetrate acrylic and other panels.



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(lm/W)	(CRI)		(pcs)
LT-I0609-M128A-AI	100-240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I0912-M128A-AI	100-240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-M128A-AI	100-240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-M128A-AI	100-240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

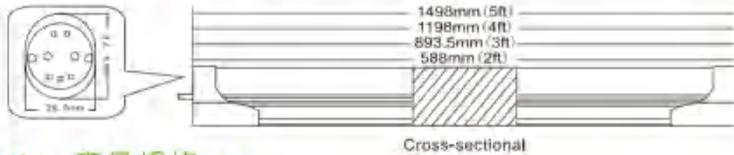
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI). Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%. According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.

# Microwave Sensor+Sound Control

## Series Type: MV

### Features 產品特點 >>

- Uniform light emission
- Exit Time 15-60 seconds, Sound sensitivity 35-60B (decibel)
- Microwave controlled internal sensor, sensor detection distance of 6-8M
- Full lumen in activation mode, 30% lumen in standby mode
- Direct replacement of FL tubes in electro-magnetic ballast fitting
- Emergency option available: compatible in use with most emergency battery brands & comply with part A of FSD regulation PPA104



### Specification 產品規格 >>

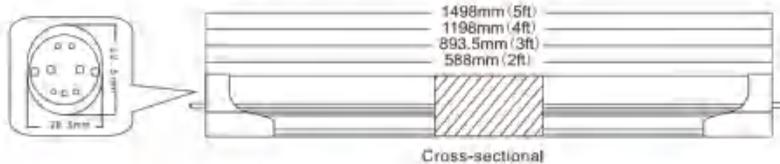
Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-I0609-MV128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I0912-MV128A	100~240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-MV128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-MV128A	100~240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

# Programmable Microwave Sensor

## Series Type: PM

### Features 產品特點 >>

- Microwave controlled internal sensor
- Sensor detection distance of 3-8 meter (user selectable)
- 0%-90% lumen in standby mode (user selectable)
- 5s-60mins Delay/exit time in standby mode
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned
- Compatible in use with most emergency battery brands



### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-I0609-PM128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I0912-PM128A	100~240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-PM128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-PM128A	100~240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

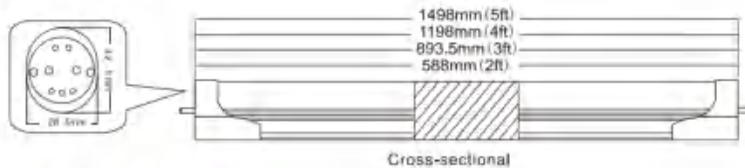
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI). Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%. According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.

# Infrared Sensor LED T8 Tube

## Series Type: IR

### Features 產品特點 >>

- Uniform light emission
- High luminous output & low power consumption
- SPM design – Power circuit protection to cut off individual LEDs when mal-functioned
- Exit Time 15-60 seconds
- Detection distance(6-8m)



### Specification 產品規格 >>

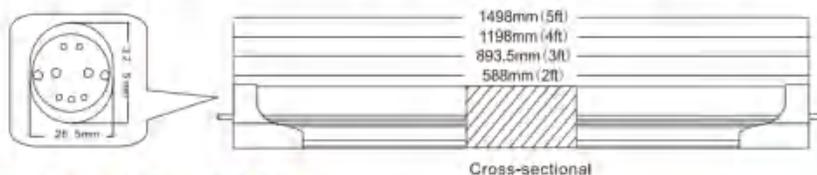
Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs.)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	PCS/CTN 每箱數量 (pcs)
LT-I0609-IR128A	100~240	9	600	50000	6000	120	>80	25
LT-I1218-IR128A	100~240	18	1200	50000	6000	120	>80	25
LT-I1522-IR128A	100~240	22	1500	50000	6000	120	>80	25

# Programmable Infrared Sensor T8 Tube

## Series Type: PI

### Features 產品特點 >>

- The detection distance of infrared sensor is 3-5M
- The lamp sleep brightness can be set to 0% - 90%
- The sleep power of the lamp tube is 0-16w (can be set as required)
- Delay / exit time in standby mode: 5s-60m
- SPM design: power circuit protection, cutting off a single LED in case of failure
- Applicable to: corridor, corridor, warehouse, garage, basement, toilet and other places



### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs.)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-I0609-PI128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I0912-PI128A	100~240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-PI128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-PI128A	100~240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

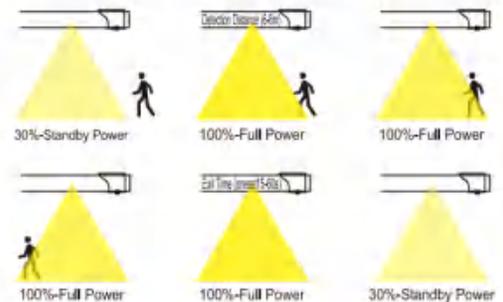
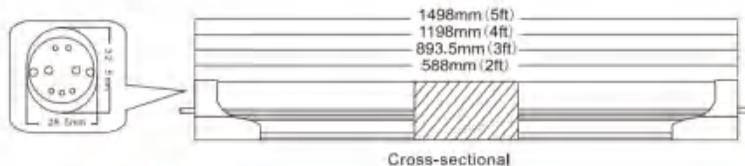
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.

# T8 Infrared Sensor LED Tube

## Series Type: PIR

### Features 產品特點 >>

- Uniform light emission.
- Retrofit to existing T8 lights on EM.
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned.
- Latest LED lighting standard IEC62560, EN62776, EN62493 certified.
- Photo-biological test IEC62471 certification-exemption group.



### Specification 產品規格 >>

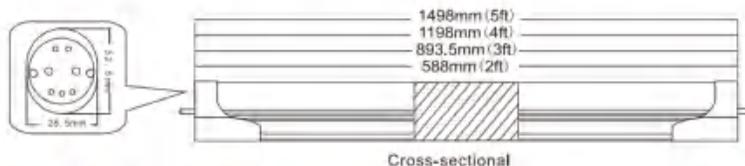
Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	PCS/CTN 每箱數量 (pcs)
LT-I0609-PIR	100-240	9	600	30000	3000/4000/6000	120	>80	25
LT-I1218-PIR	100-240	18	1200	30000	3000/4000/6000	120	>80	25

# T8 Triac dimmable LED tube

## Series Type: LE

### Features 產品特點 >>

- Uniform light emission.
- Retrofit to existing T8 lights on EM.
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned.
- Latest LED lighting standard IEC62560, EN62776, EN62493 certified.
- Photo-biological test IEC62471 certification-exemption group.



### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	PCS/CTN 每箱數量 (pcs)
LT-I0609-LE	100-240	9	600	30000	3000/4000/6000	120	>80	25
LT-I1218-LE	100-240	18	1200	30000	3000/4000/6000	120	>80	25

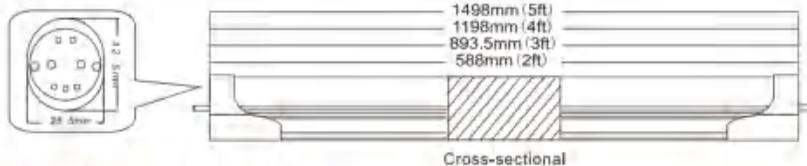
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI). Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%. According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.

# Sound Control LED T8 Tube

## Series Type: V

### Features 產品特點 >>

- Uniform light emission
- SPM design – Power circuit protection to cut off individual LEDs when malfunctioned
- Exit Time 15-60 seconds
- Sound sensitivity 35 - 60B(decibel)



### Specification 產品規格 >>

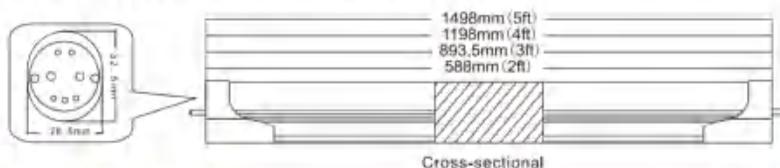
Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Lamp Base 顯色度 (CRI)	PCS/CTN 每箱數量 (pcs)
LT-I0609-V128A	100-240	9	600	50000	3000/4000/6500	120	>80	25
LT-I0912-V128A	100-240	12	900	50000	3000/4000/6500	120	>80	25
LT-I1218-V128A	100-240	18	1200	50000	3000/4000/6500	120	>80	25
LT-I1522-V128A	100-240	22	1500	50000	3000/4000/6500	120	>80	25

# Programmable Sound Control

## Series Type: PV

### Features 產品特點 >>

- Sound sensitivity 30-60db
- The lamp sleep brightness can be set to 0% - 90%
- The sleep power of the lamp tube is 0-16w (can be set as required)
- Delay / exit time in standby mode: 5s-60s
- SPM design: power circuit protection, cutting off a single LED in case of failure
- Applicable to: underground parking lot, government, school, hospital, shopping mall, bank and other places requiring long-time lighting every day



LUX				TIME				
1	2	3	4	1	2	3	4	
●	○	○	○	0%	●	○	○	05
○	○	○	○	10%	○	○	○	10S
○	○	○	○	20%	○	○	○	20S
○	○	○	○	30%	○	○	○	30S
○	○	○	○	40%	○	○	○	40S
○	○	○	○	50%	○	○	○	50S
○	○	○	○	60%	○	○	○	1M
○	○	○	○	70%	○	○	○	2M
○	○	○	○	80%	○	○	○	3M
○	○	○	○	90%	○	○	○	3M
○	○	○	○	3 levels	○	○	○	3M
○	○	○	○		○	○	○	20M
○	○	○	○		○	○	○	30M
○	○	○	○		○	○	○	60M
○	○	○	○		○	○	○	OFF

### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-I0609-PV128A	100-240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I0912-PV128A	100-240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-PV128A	100-240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-PV128A	100-240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

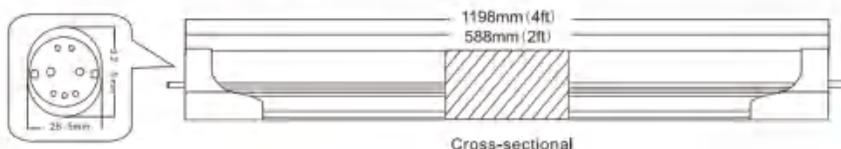
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.

# Photosensor LED T8 Tube

## Series Type: PS

### Features 產品特點 >>

- Uniform light emission
- Retrofit to existing T8 lights on EM
- Function: the light control probe senses the brightness of the surrounding environment in real time. According to the intensity of the brightness of the environment, it is divided into two sections of light output. When the light is strong, it is output at 30% power (can be designed) and when the light is weak, it is output at 100% power.



### Specification 產品規格 >>

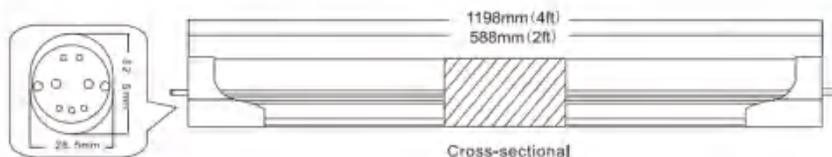
Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(lm/W)	(CRI)		(pcs)
LT-J0609-PS128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-J1218-PS128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25

# Photosensor & Timer ON/OFF T8 Tube

## Series Type:PS-T

### Features 產品特點 >>

- Uniform light emission
- SPM design-Power circuit protection to cut off individual LEDs when mal-functioned
- Function: the light control probe senses the brightness of the surrounding environment in real time. According to the intensity of the brightness of the environment, it is divided into two sections of light output. When the light is strong, it is output at 30% power (can be designed) and when the light is weak, it is output at 100% power.



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(lm/W)	(CRI)		(pcs)
LT-J0609-PS-T128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-J1218-PS-T128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25

- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI). Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%. According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.

# Programmable Photosensor Sensor T8 Tube

## Series Type: PD

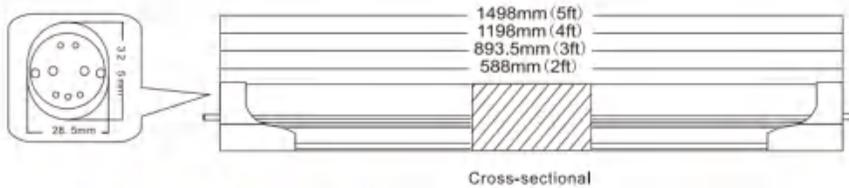
### Features 產品特點 >>

- Photosensitive range: 10lux-300lux
- The lamp sleep brightness can be set to 0% - 90%
- The sleep power of the lamp tube is 0-16w (can be set as required)
- Delay / exit time in standby mode: 5s-60s
- SPM design: power circuit protection, cutting off a single LED in case of failure
- Applicable to: underground parking lot, government, school, hospital, shopping mall, bank and other places requiring long-time lighting every day



光敏感應  
參數預設

LUX				TIME				
1	2	3	4	1	2	3	4	
●	○	○	○	0%	●	○	○	5S
○	●	○	○	10%	○	●	○	10S
○	○	●	○	20%	○	○	●	20S
○	○	○	●	30%	○	○	○	30S
●	○	○	○	40%	●	○	○	40S
○	●	○	○	50%	○	●	○	50S
○	○	●	○	60%	○	○	●	1M
○	○	○	●	70%	○	○	○	2M
○	●	○	○	80%	○	●	○	3M
○	○	○	●	90%	○	○	○	5M
●	●	●	●	3 levels	○	○	○	10M
○	○	○	○		○	○	○	30M
○	○	○	○		○	○	○	60M
○	○	○	○		○	○	○	OFF



### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-I0609-PD128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I0912-PD128A	100~240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-PD128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-PD128A	100~240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.



# Preset & Timer Lighting

預設和計時應用照明



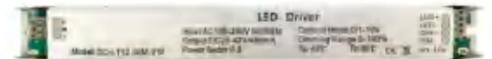
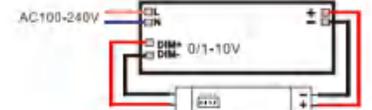
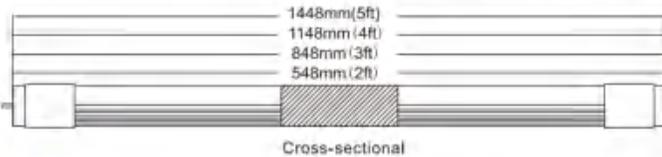
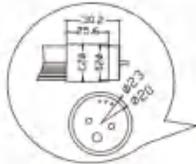
# Manual Preset Dimming DC Tube & 0-10v Driver

## Series Type: DR-MD

### Features 產品特點 >>

- Flicker free
- Dimming interface : 0-10V Dim
- Dimming range from 100% to(100%,85%,75%,50%)

S1	S2	S3	S4	Power
OFF	OFF	OFF	OFF	100%
OFF	OFF	ON	OFF	85%
OFF	ON	OFF	OFF	75%
ON	OFF	OFF	OFF	50%



Model:DC-LT12-DIM-010

### Specification 產品規格 >>

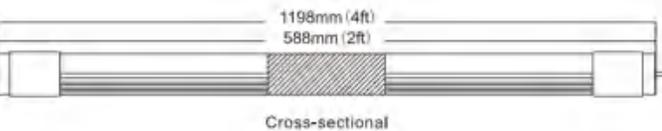
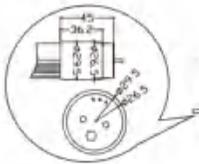
Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-DR60610-MD128A	30-42	10	600	50000	4000	120	>80	T5,G5	25
LT-DR60913-MD128A	30-42	13	900	50000	4000	120	>80	T5,G5	25
LT-DR61219-MD128A	30-42	19	1200	50000	4000	120	>80	T5,G5	25
LT-DR61524-MD128A	30-42	24	1500	50000	4000	120	>80	T5,G5	25

# Manual Preset Power Consumption AC T8 Tube

## Series Type: DP-SW

### Features 產品特點 >>

- Uniform light emission
- With 4 position dip switch selector
- Dimming range from 100% to 50% (100%, 85%, 75%, 50%)
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned



S1	S2	S3	S4	Power
OFF	OFF	OFF	OFF	100%
OFF	OFF	ON	OFF	85%
OFF	ON	OFF	OFF	75%
ON	OFF	OFF	OFF	50%



### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-H0609-DP128A-SW	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-H1218-DP128A-SW	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25

- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI). Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%. According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.

# Time Control ON/OFF LED T8 Tube (Dip Switch Selector)

Series Type: TC-DL

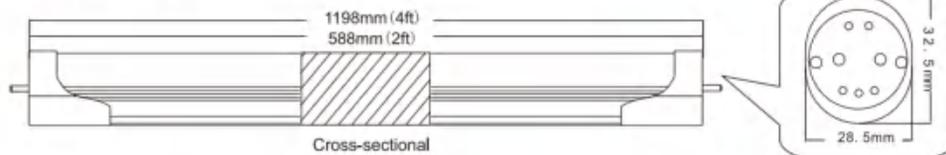
## Features 產品特點 >>

- Dial from minimum 0.5 hours to combined 24-hour delay switch
- setting operate day by day
- User adjustable for a standby lighting output ( 0-90 % )
- Uniform light emission
- Retrofit to existing T8 lights on EM

拨码延时的设置方法

	拨码开关					
	S1	S2	S3	S4	S5	S6
对应增加时间(H)	0.5	1	2	4	8	16
总延时时间=S1+S2+S3+S4+S5+S6						

- 把拨码开关S7-S10全部置0(设置亮度为0) S1-S6按下表设置循环延时时间



## Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(Lm/W)	(CRI)		(pcs)
LT-I0609-TC128A-DL	100-240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-TC128A-DL	100-240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25

- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.





# Dimming Lighting

調光應用照明

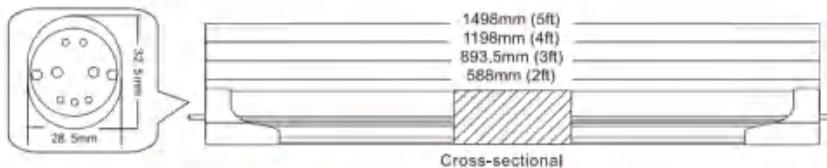


# Phase Control Dimming T8 LED Tube

## Series Type: LE / TE

### Features 產品特點 >>

- Dimming range from 30-100% Efficiency > 85%
- Dimmer interface : Traic / ELV, Push Dimmer
- Leading Edge phase control or trailing edge phase control
- PWM digital dimming , no alter LED color rendering index
- High frequency PWM dimming
- Short Circuit / Over-temperature/ Over Load / Over Voltage Protection
- Suitable for indoor environments



### Specification 產品規格 >>

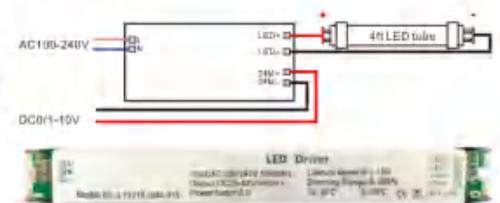
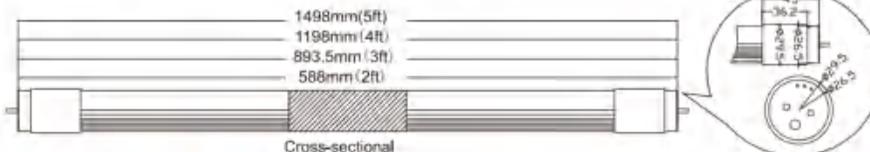
Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Dimmer Mode 調光器模式	PCS/CTN 每箱數量 (pcs)
LT-I0609-LE128A	100~240	9	600	50000	3000/4000/6500	120	>80	Leading Edge	25
LT-I1218-LE128A	100~240	18	1200	50000	3000/4000/6500	120	>80	Leading Edge	25
LT-I0609-TE128A	100~240	9	600	50000	3000/4000/6500	120	>80	Trailing Edge	25
LT-I1218-TE128A	100~240	18	1200	50000	3000/4000/6500	120	>80	Trailing Edge	25

# Dimmable LED T8 DC Tube & 0-10V Driver

## Series Type: DR-N

### Features 產品特點 >>

- Dimming interface: 0-10V Dim
- Apply to 0-10V dimmers
- Dimming range from 0-100%
- Compliant with safety extra low voltage standard



### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-DR0609-N128A	30-42	9	600	50000	4000	120	>80	T8,G13	25
LT-DR0912-N128A	30-42	12	900	50000	4000	120	>80	T8,G13	25
LT-DR1218-N128A	30-42	18	1200	50000	4000	120	>80	T8,G13	25
LT-DR1522-N128A	30-42	22	1500	50000	4000	120	>80	T8,G13	25

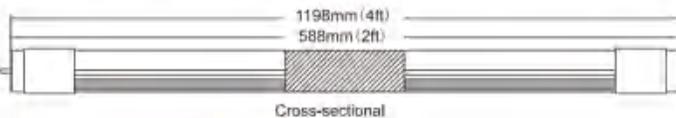
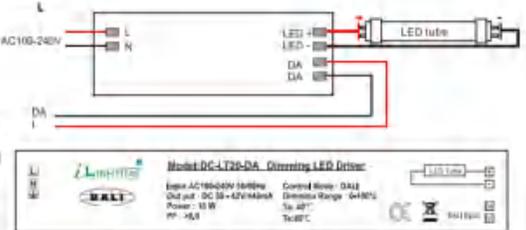
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.

# Dimmable LED T8 DC Tube & DALI Driver

## Series Type: DR-S

### Features 產品特點 >>

- Dimming interface : DALI DALI control standard IEC62386
- Constant current output, parameters can be customized to 12W
- Class 2 LED power supply, Double-isolated
- Short circuit, over current and over voltage protection, Efficiency up to 83%
- DALI control input<2mA,5-100% logarithmic dimming range
- Compatible with many kinds of dimming system, such as Philips, Osram, Tridonic, Siemens, Lutron, KNX etc



### Specification 產品規格 >>

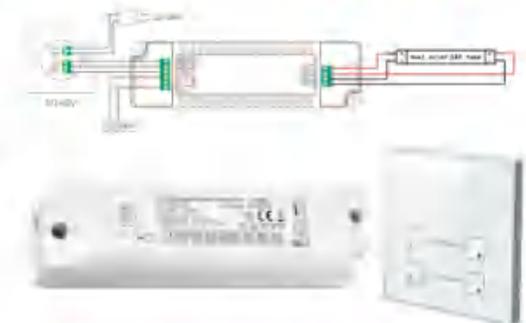
Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-DR0609-S128A	30-42	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-DR1218-S128A	30-42	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25

# LED T8 Dual Color DC Tube & 0-10V Dimming Driver

## Series Type: DR-T

### Features 產品特點 >>

- Uniform light , emission beam angle 270°
- High luminous output 100-150lm/w & lower power consumption
- Spm design – power circuit protection to cut off individual leds when mal-functioned
- Dual Color ( 3000k-6000k )
- Touch Panel controller is available to connect dimming driver
- Control mode ; 0-10V,Dimming range from 0-100



### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Length 長度 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
LT-DR0609-T128A	100~240	9	600	50000	3000/4000/6000	120	>80	T8,G13	25
LT-DR1218-T128A	100~240	18	1200	50000	3000/4000/6000	120	>80	T8,G13	25
LT-DR1522-T128A	100~240	22	1500	50000	3000/4000/6000	120	>80	T8,G13	25

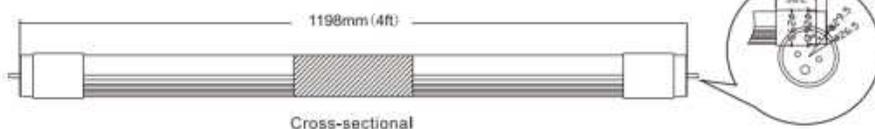
- Light efficiency (lm/W),Power (W),Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD< 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances(RoHS), Photobiological safety of lamps and lamp systems,( an Exemption Group) and other test certifications to ensure product quality.

# Wattage & CCT Selectable T8 LED Tube

Series Type: CW

## Features 產品特點 >>

- Wattage selectable (12W/15W/18W)
- CCT selectable(3000K/4000K/6000K)
- High luminous output (150lm/W)& Low power consumption



## Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(Lm/W)	(CRI)		(pcs)
LT-I1218-CW128A	120-265	12/15/18	1200	50000	3000/4000/6000	150	>80	T8,G13	25

- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.



# Zone Lighting

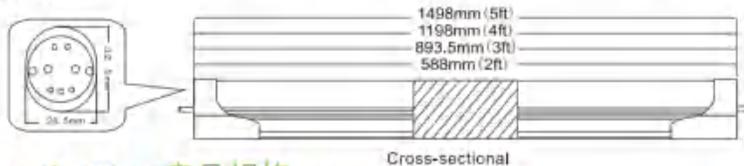
區域照明

# Microwave Sensor T8 Tube + RF Linkage

## Series Type: ML

### Features 產品特點 >>

- Each lamp tube receives an induction signal (APP operation is not required)
- When the signal is first sensed, a wireless wave signal will be sent, and the nearby lamps will receive the signal and emit light according to the strength of the signal
- Sensing range: 6-8m
- The lamp sleep brightness can be set to 0%-90%
- Applicable to: underground parking lot, corridor, corridor, warehouse, basement and other places



微波感應  
區域聯動



### Specification 產品規格 >>

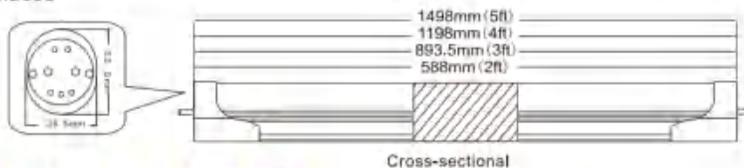
Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(Lm/W)	(CRI)		(pcs)
LT-0609-ML128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-0912-ML128A	100~240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-1218-ML128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-1522-ML128A	100~240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

# Infrared Sensor T8 Tube + RF Linkage

## Series Type: IL

### Features 產品特點 >>

- Each lamp tube receives an induction signal (APP operation is not required)
- When the signal is first sensed, a wireless wave signal will be sent, and the nearby lamps will receive the signal and emit light according to the strength of the signal
- The detection distance of infrared sensor is 3-5M
- The lamp sleep brightness can be set to 0%-90%
- Applicable to: underground parking lot, corridor, corridor, warehouse, basement and other places



紅外線感應  
區域聯動



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(Lm/W)	(CRI)		(pcs)
LT-0609-IL128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-0912-IL128A	100~240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-1218-IL128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-1522-IL128A	100~240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

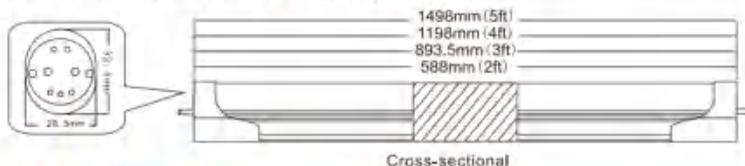
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.

# Sound Control T8 Tube + RF Linkage

## Series Type: VL

### Features 產品特點 >>

- Each lamp tube receives an induction signal (APP operation is not required)
- When the signal is first sensed, a wireless wave signal will be sent, and the nearby lamps will receive the signal and emit light according to the strength of the signal
- The sound sensitivity is 30-60db, and the sensing range is 6-8m
- The lamp sleep brightness can be set to 0%-90%
- Applicable to: underground parking lot, government, school, hospital, shopping mall, bank and other places requiring long-time lighting every day



### Specification 產品規格 >>

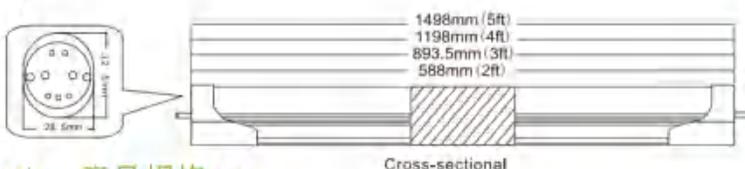
Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(lm/W)	(CRI)		(pcs)
LT-I0609-VL128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I0912-VL128A	100~240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-VL128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-VL128A	100~240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

# Radio Controlled Microwave Sensing Linkage

## Series Type: ML

### Features 產品特點 >>

- Uniform light emission
- High luminous output (100~150 lm/W)& low power consumption
- Intelligent device employing radio technologies
- Tubes will be turned on 100% brightness when detecting moving object ( people , cars etc )
- Tubes do not detect moving objects will receive radio signal from the tube which detecting the moving object and will be turned on at specific brightness level as according to the radio signal strength



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(lm/W)	(CRI)		(pcs)
LT-I0609-ML128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I0912-ML128A	100~240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-ML128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-ML128A	100~240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

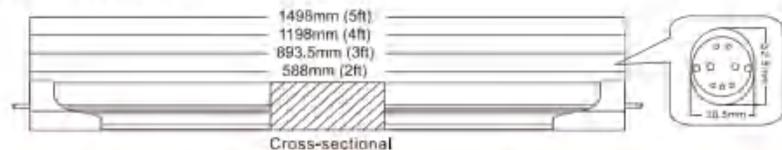
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.

# T8 Bluetooth Microwave Sensing Linkage

## Series Type: ML-BT

### Features 產品特點 >>

- Designed for energy saving purpose
- Smart devices using Bluetooth technology
- When someone or vehicles enters the detection range (6-8M) of one tube, a bluetooth signal will be emitted to all nearby tubes (radius 10M) to full lumen
- Each tube contains 5.8G microwave sensor and Bluetooth module
- Ease of installation - same as regular AC T8 Tube, no need to plan for grouping
- Lighting output selectable (By WE Chat mini programs) at standby mode : 0%/ 2%/5%/10%/25%
- Exit time user selectable (By WE Chat mini programs) : 5S/15S/ 30S/ 60S/ 120S/ 300S
- Full lumen brightness selectable (By WE Chat mini programs) : 60%/70%/80%/90%/ 100%



### Specification 產品規格 >>

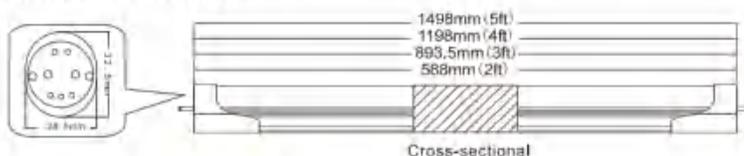
Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs.)	(K)	(lm/W)	(CRI)		(pcs)
LT-I0609-ML-BT128A	85~265	9	600	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I0912-ML-BT128A	85~265	12	900	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I1218-ML-BT128A	85~265	18	1200	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I1522-ML-BT128A	85~265	22	1500	50000	3000/4000/6000	120	>80	T8,G13	25

# Master Radio Controlled Microwave Sensing Linkage

## Series Type: ML-MW

### Features 產品特點 >>

- Intelligent device employing radio technologies
- The system mainly realizes control by grouping(Zone Lighting)when someone enters the detection range, All Slave tubes dimming level will follow Master tube preset valuer
- The Master tube has a built-in sensor and transmitter, and the slave tube has a built-in receiver; when someone approaches, the Master will be activated. When the Master is 100% on, it will trigger the slave tubes in an area to light up 100%at the same time.
- Detection Distance 6M-8M



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs.)	(K)	(lm/W)	(CRI)		(pcs)
LT-I0609-ML-MW128A	100~240	9	600	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I0912-ML-MW128A	100~240	12	900	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I1218-ML-MW128A	100~240	18	1200	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I1522-ML-MW128A	100~240	22	1500	50000	3000/4000/6000	120	>80	T8,G13	25

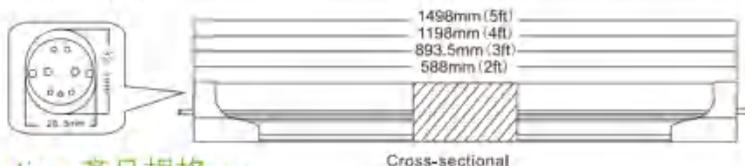
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI). Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.

# Slave Radio Controlled Microwave Sensing Linkage

## Series Type: ML-SL

### Features 產品特點 >>

- Intelligent device employing radio technologies
- The system mainly realizes control by grouping (Zone Lighting) when someone enters the detection range, All Slave tubes dimming level will follow Master tube preset value
- The Master tube has a built-in sensor and transmitter, and the slave tube has a built-in receiver; when someone approaches, the Master will be activated. When the Master is 100% on, it will trigger the slave tubes in an area to light up 100% at the same time.
- Detection Distance 6M-8M



### Specification 產品規格 >>

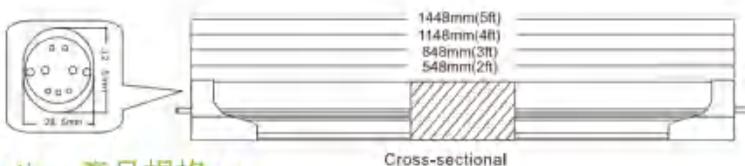
Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(lm/W)	(CRI)		(pcs)
LT-I0609-ML-SL128A	100~240	9	600	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I0912-ML-SL128A	100~240	12	900	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I1218-ML-SL128A	100~240	18	1200	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I1522-ML-SL128A	100~240	22	1500	50000	3000/4000/6000	120	>80	T8,G13	25

# T5 Slave Radio Controlled Microwave Sensing Linkage

## Series Type: I5-ML-SL

### Features 產品特點 >>

- Intelligent device employing radio technologies
- The system mainly realizes control by grouping (Zone Lighting) when someone enters the detection range, All Slave tubes dimming level will follow Master tube preset value
- The Master tube has a built-in sensor and transmitter, and the slave tube has a built-in receiver; when someone approaches, the Master will be activated. When the Master is 100% on, it will trigger the slave tubes in an area to light up 100% at the same time.
- Detection Distance 6M-8M



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(lm/W)	(CRI)		(pcs)
LT-I50608-ML-SL128A	100~240	8	600	50000	3000/4000/6500	120	>80	T5,G5	50
LT-I50912-ML-SL128A	100~240	12	900	50000	3000/4000/6500	120	>80	T5,G5	50
LT-I51216-ML-SL128A	100~240	16	1200	50000	3000/4000/6500	120	>80	T5,G5	50
LT-I51520-ML-SL128A	100~240	20	1500	50000	3000/4000/6500	120	>80	T5,G5	50

- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI). Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%. According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.

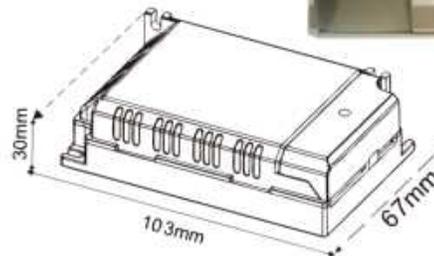
# Master Grouping

## — Broadcast Control Wireless Unit

Series Type: DC-LD-TC

### Features 產品特點 >>

- Intelligent device employing radio technologies
- The total controller address has 15 groups 01-15
- When the total controller is selected in group 01-15, after power-on, the master and slave tubes covering the same address group are 100% lit
- After the main controller is powered off, all the master and slave pipes return to normal operation
- Time controller can be added to set the working state of different periods



### Specification 產品規格 >>

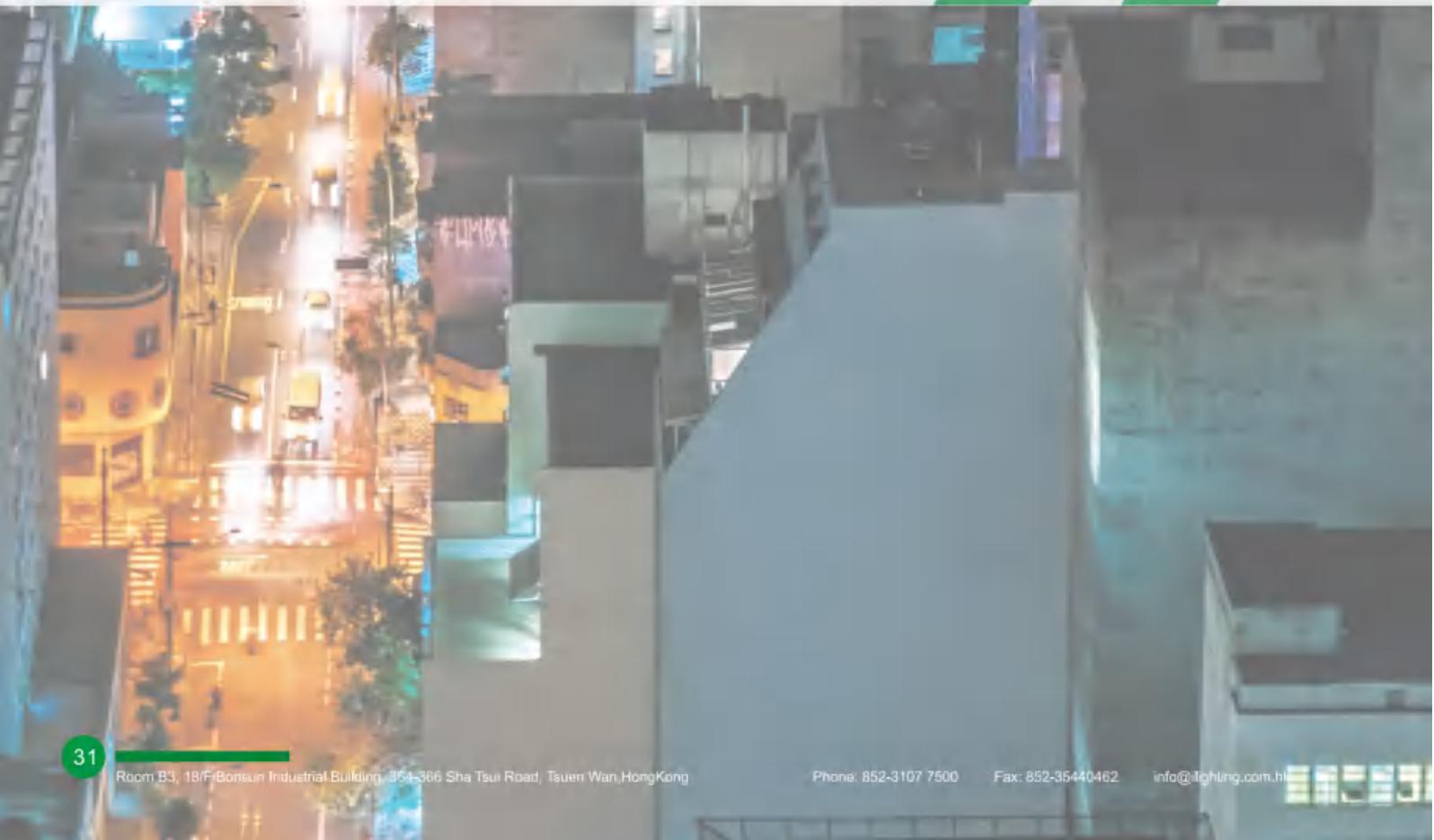
Model 型號	Voltage 電壓	Size 尺寸	Master Group 分組	Dimming 調光	Control Tube 控制燈管	Radio Coverage Area (Radius) 覆蓋範圍(半徑)
	(V)	(mm)		(%)	(pcs)	(m)
DC-LT-TC	100~240	103*67*30	15 Group	30/50/75	256	300

- master unit+slave driver, can be used with any Bluetooth control product
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances(RoHS), Photobiological safety of lamps and lamp systems.( an Exemption Group) and other test certifications to ensure product quality
- 主機+從機驅動,可搭配任何藍牙控制產品使用
- 此型號認證由可實驗室發出之安全認證消防測試,環保物料(RoHS),光生物安全為Exemption Group及其它測試,保證客戶使用更安心滿意



# Special Purpose Lighting

特殊用途照明

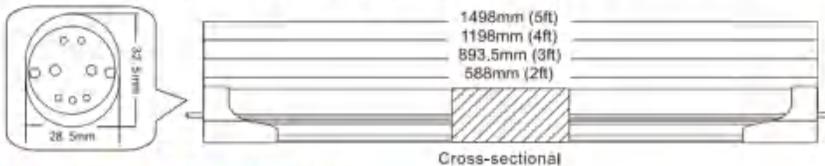


# Plant Growth LED T8 Tube

## Series Type: PLT

### Features 產品特點 >>

- This indoor led grow light emits most of light spectrum which can be absorbed by plants effectively
- The full light spectrum is from 400-800nm
- It is applicable to all stages of plant growth
- It is suggested to keep the light from plants at least 12 inches (30cm) away from plants to prevent leaf burn and give plants 12 to 14 hours of light per day
- This led plant growing light can be used in greenhouses, plant factory, greenhouse farming, flower farming, indoor gardens, water soluble breeding



### Specification 產品規格 >>

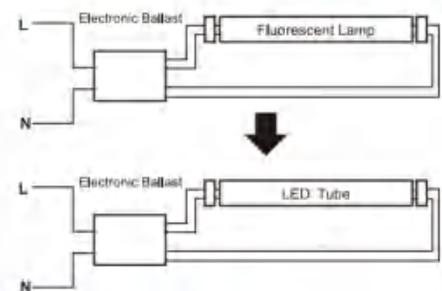
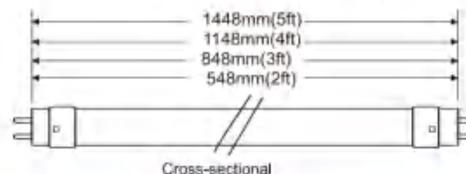
Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(lm/W)	(CRI)	(pcs)
LT-I0609-PLT128A	100~240	9	600	50000	Full Spectrum	120	>80	25
LT-I0912-PLT128A	100~240	12	1200	50000	Full Spectrum	120	>80	25
LT-I1218-PLT128A	100~240	18	600	50000	Full Spectrum	120	>80	25
LT-I1522-PLT128A	100~240	22	1200	50000	Full Spectrum	120	>80	25

# Compatible Electronic Ballast T5 LED Tube

## Series Type: I5-C-ICB

### Features 產品特點 >>

- Uniform light , emission beam angle 270°
- High luminous output (120lm/w) low power consumption
- Spm design – power circuit protection to cut off individual leds when mal-functioned
- Retrofit to existing T5 lights without rewiring
- T5 body G5 Pin
- Compatible to use with most Electronic Ballast IC programming version to apply



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(lm/W)	(CRI)		(pcs)
LT-I50608-C128A-ICB	electronic ballast	8	600	50000	3000/4000/6000	120	>80	T5,G5	50
LT-I51216-C128A-ICB	electronic ballast	16	1200	50000	3000/4000/6000	120	>80	T5,G5	50
LT-I51520-C128A-ICB	electronic ballast	20	1500	50000	3000/4000/6000	120	>80	T5,G5	50

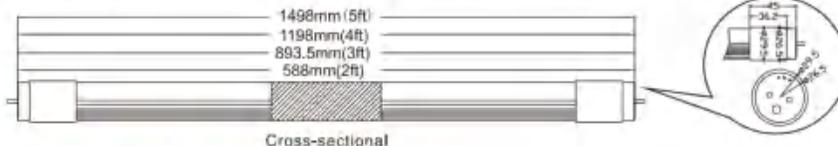
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.

# Universal Compatible LED T8-T5 Tube

## Series Type: UC

### Features 產品特點 >>

- Can be directly to AC220V
- Uniform light emission
- Retrofit to existing T8 lights without rewiring
- Compatible to use with various electronic ballasts
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned



### Specification 產品規格 >>

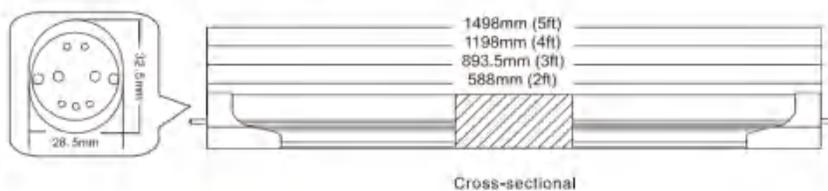
Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(Lm/W)	(CRI)		(pcs)
LT-I0609-UC128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I0912-UC128A	100~240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-UC128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-UC128A	100~240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

# Textile LED T8 Tube

## Series Type: T

### Features 產品特點 >>

- Uniform light emission
- Retrofit to existing T8 lights on EM
- SPM Design – power circuit protection to cut off individual LEDs when mal-functione
- A textile mill that distinguishable different colors of cloth



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(Lm/W)	(CRI)		(pcs)
LT-I0609-T128A	100~240	9	600	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I0912-T128A	100~240	12	900	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I1218-T128A	100~240	18	1200	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I1522-T128A	100~240	22	1500	50000	3000/4000/6000	120	>80	T8,G13	25

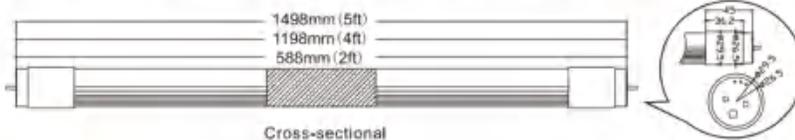
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI). Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%. According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.

# DMX512-RGBW LED T8-T5 Tube

## Series Type: DMX-RGB

### Features 產品特點 >>

- Exceptional even illumination ( LED spot not seen)
- Control Protocol : DMX512 Control RGB +W
- RGB+W Dimmable & Multi-Color change
- Application: Show cabinet, Retail chop, many other applications as appropriate



### Specification 產品規格 >>

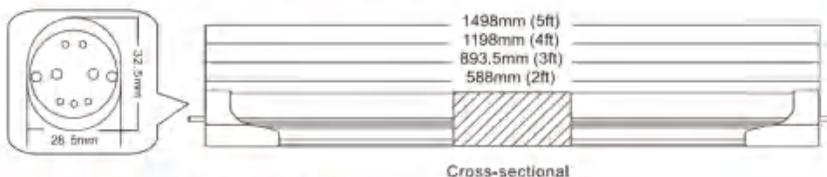
Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(Lm/ft)	(CRI)		(pcs)
LT-R0609-DMX129A-RGB	30-42	9	600	50000	Mixing Color	120	>90	T8,G13	25
LT-R1218-DMX129A-RGB	30-42	18	1200	50000	Mixing Color	120	>90	T8,G13	25
LT-R1522-DMX129A-RGB	30-42	22	1500	50000	Mixing Color	120	>90	T8,G13	25

# Negative ion LED T8 Tube

## Series Type: NI

### Features 產品特點 >>

- Uniform light emission ,Retrofit to existing T8 lights on EM
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned
- Optional: rotary end knob for angle adjustment
- Function: in addition to formaldehyde in addition to the smoke dust removal of sterilization and oxygen
- Can be used in Car Park,garbage room



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(Lm/ft)	(CRI)		(pcs)
LT-I0609-NI128A	100-240	9	600	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I0912-NI128A	100-240	12	900	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I1218-NI128A	100-240	18	1200	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I1522-NI128A	100-240	22	1500	50000	3000/4000/6000	120	>80	T8,G13	25

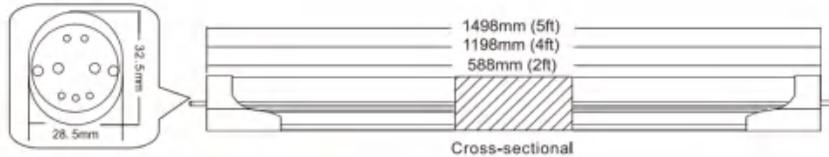
- Light efficiency (lm/W),Power (W),Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD< 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances(RoHS), Photobiological safety of lamps and lamp systems.( an Exemption Group) and other test certifications to ensure product quality,

# Anti UV Tube

## Series Type: UV

### Features 產品特點 >>

- Uniform light emission
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned
- The uv-proof lamp tube can filter out the light wave below 500nm, and the uv-free light band is output
- Optional: rotary end knob for angle adjustment



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(Lm/W)	(CRI)		(pcs)
LT-I0609-UV128A	100-240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-UV128A	100-240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-UV128A	100-240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI). Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.



# PL Tube Series

橫插燈系列

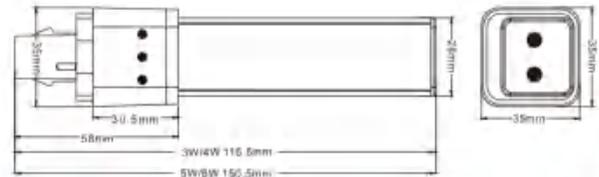


# LED PLC Tube

## Series Type: IPL-C

### Features 產品特點 >>

- Energy saving: It save 80% energy than traditional incandescent bulb
- Eco-Green: No radiation, no mercury, no lead, no harmful elements, all products can be recycled
- Long life span: 50,000 hours, 10 times over than traditional light
- High light Efficiency: The product can reach,120lm/W
- It is safe and easy to be used and installed
- This product is good for workshop, office, bank, hospital, shopping centre , subway, school, and other indoor places which require light of high luminosity and energy-saving



### Specification 產品規格 >>

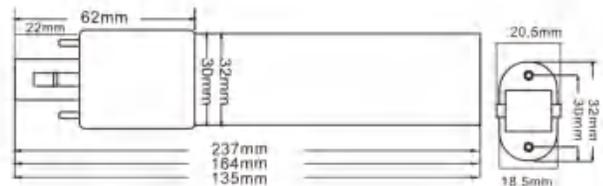
Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Standard size 標準尺寸 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Operating Temperature 工作溫度 (°C)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
IPL-C03-H128A	85~265	3	35*35*116.5	50000	3000/4000/6500	120	>80	-20~40	G24	25
IPL-C04-H128A	85~265	4	35*35*116.5	50000	3000/4000/6500	120	>80	-20~40	G24	25
IPL-C05-H128A	85~265	5	35*35*150.5	50000	3000/4000/6500	120	>80	-20~40	G24	25
IPL-C06-H128A	85~265	6	35*35*150.5	50000	3000/4000/6500	120	>80	-20~40	G24	25

# LED PLS Tube

## Series Type: IPL-S

### Features 產品特點 >>

- Energy saving: It save 80% energy than traditional incandescent bulb
- Eco-Green: No radiation, no mercury, no lead, no harmful elements, all products can be recycled
- Long life span: 50,000 hours, 10 times over than traditional light
- High light Efficiency: The product can reach,120lm/W
- It is safe and easy to be used and installed
- This product is good for workshop, office, bank, hospital, shopping centre , subway, school, and other indoor places which require light of high luminosity and energy-saving



### Specification 產品規格 >>

Model 型號	Voltage 電壓 (V)	Wattage 功率 (W)	Standard size 標準尺寸 (mm)	Lamp Life 光度壽命 (Hrs)	Colour Temp 色溫 (K)	Lumen Output 輸出流明 (Lm/W)	Color Rendering 顯色度 (CRI)	Operating Temperature 工作溫度 (°C)	Lamp Base 燈腳	PCS/CTN 每箱數量 (pcs)
IPL-S03-H128A	85~265	3	32*30*135	50000	3000/4000/6500	120	>80	-20~40	G23	25
IPL-S04-H128A	85~265	4	32*30*165	50000	3000/4000/6500	120	>80	-20~40	G23	25
IPL-S07-H128A	85~265	5	32*30*237	50000	3000/4000/6500	120	>80	-20~40	G23	25

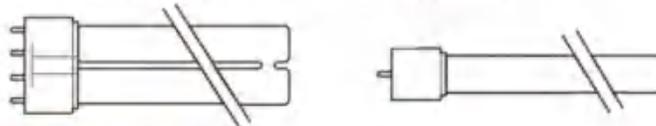
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.

# LED PLL Tube

## Series Type: IPL-L

### Features 產品特點 >>

- Energy saving: It save 80% energy than traditional incandescent bulb
- Eco-Green: No radiation, no mercury, no lead, no harmful elements, all products can be recycle
- Long life span: 50,000 hours, 10 times over than traditional light
- High light Efficiency: The product can reach, 120lm/W
- It is safe and easy to be used and installed
- This product is good for workshop, office, bank, hospital, shopping centre , subway, school, indoor places which require light of high luminosity and energy-saving



High Prec  
(高精準)  
保護視力



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Standard size 標準尺寸	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Operating Temperature 工作溫度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(Lm/W)	(CRI)	(°C)		(pcs)
IPL-L0208-H128A	85~265	8	43*29*255	50000	3000/4000/6500	120	>80	-20~40	2G11	25
IPL-L0310-H128A	85~265	10	43*29*320	50000	3000/4000/6500	120	>80	-20~40	2G11	25
IPL-L0415-H128A	85~265	15	43*29*410	50000	3000/4000/6500	120	>80	-20~40	2G11	25
IPL-L0520-H128A	85~265	20	43*29*535	50000	3000/4000/6500	120	>80	-20~40	2G11	25

# LED U Tube

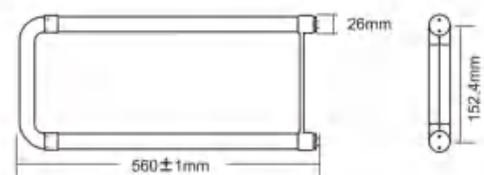
## Series Type: I-U

### Features 產品特點 >>

- Energy saving: It save 80% energy than traditional incandescent bulb
- Selected PC high transparency face mask with uniform light color, bright and soft
- Aluminum base, thicker aluminum shell for greater durability, less likely to deform, and resistant to oxidation
- Eco-Green: No radiation, no mercury, no lead, no harmful elements, all products can be recycled
- Long life span: 50,000 hours, 10 times over than traditional light
- High light Efficiency: The product can reach, 120lm/W  
It is safe and easy to be used and installed



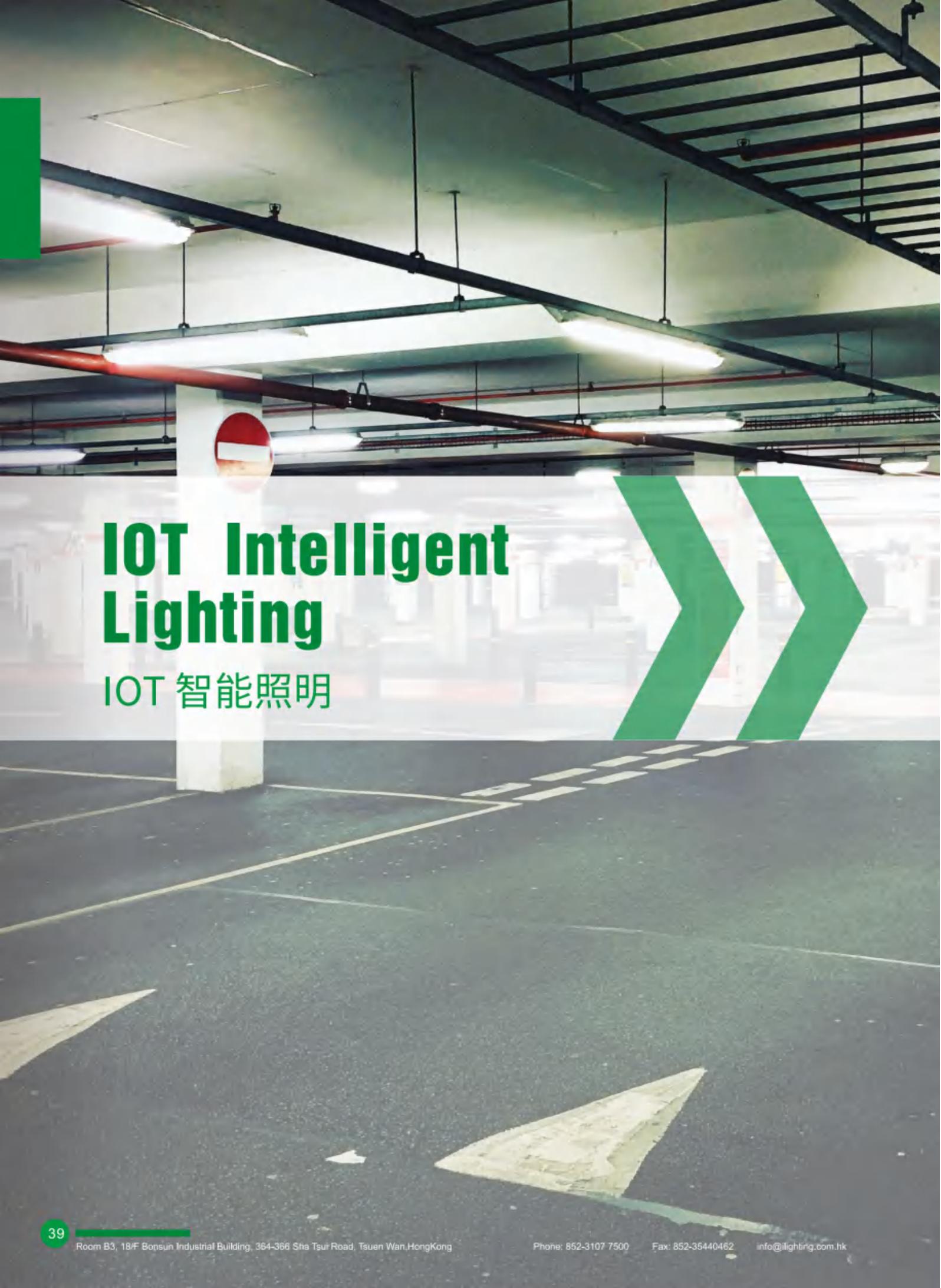
High Prec  
(高精準)  
保護視力



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Standard size 標準尺寸	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Operating Temperature 工作溫度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(Lm/W)	(CRI)	(°C)		(pcs)
LT-I1218-U128A	85~265	18	26*26*560	50000	3000/4000/6500	120	>80	-20~40	G13	25

- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%. According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.



# IOT Intelligent Lighting

IOT 智能照明

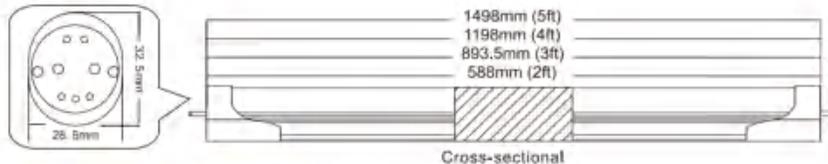


# WiFi IOT LED T8 Tube

## Series Type: WIFI

### Features 產品特點 >>

- WiFi adopts wireless technologies such as fast frequency hopping and time division
- multiple access to replace cables
- A low-cost and low-power wireless access method is provided
- Dimming Signal : wifi
- Dimming Range: 0-100%



### Specification 產品規格 >>

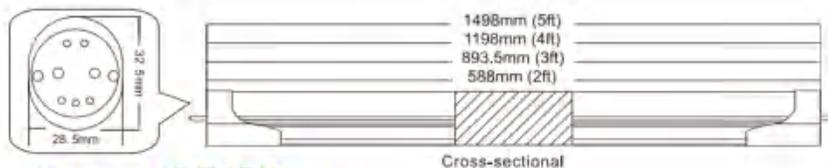
Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(lm/W)	(CRI)		(pcs)
LT-I0609-WIFI128A	100~240	9	600	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I0912-WIFI128A	100~240	12	900	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I1218-WIFI128A	100~240	18	1200	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I1522-WIFI128A	100~240	22	1500	50000	3000/4000/6000	120	>80	T8,G13	25

# LoRa LED T8 Tube

## Series Type: LORA

### Features 產品特點 >>

- Uniform light emission
- High luminous output (100~150 lm/W)& low power consumption
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned
- Modulation Method LoRa, LoRa Interface Equipped
- Operating frequency 443MHz, communication distance 200~300m
- Optional: rotary end knob for angle adjustment



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(lm/W)	(CRI)		(pcs)
LT-I0609-LORA128A	100~240	9	600	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I0912-LORA128A	100~240	12	900	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1218-LORA128A	100~240	18	1200	50000	3000/4000/6500	120	>80	T8,G13	25
LT-I1522-LORA128A	100~240	22	1500	50000	3000/4000/6500	120	>80	T8,G13	25

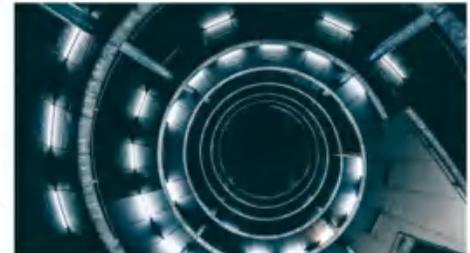
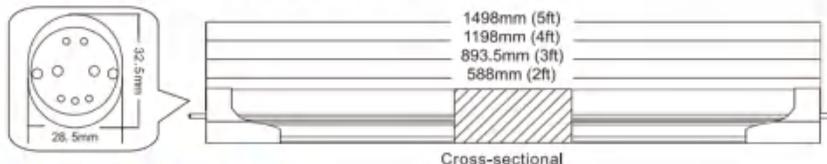
- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%. According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems, (an Exemption Group) and other test certifications to ensure product quality.

# LoRaWAN LED T8 Tube

## Series Type: LW

### Features 產品特點 >>

- Uniform light emission
- High luminous output (100~150 lm/W)& low power consumption
- SPM Design – power circuit protection to cut off individual LEDs when mal-functioned
- Modulation method LoRa, letter of agreement LoRaWAN V1.0.2
- Operating frequency 433~923.2MHz, Communication line of sight 15km
- Optional: rotary end knob for angle adjustment



### Specification 產品規格 >>

Model 型號	Voltage 電壓	Wattage 功率	Length 長度	Lamp Life 光度壽命	Colour Temp 色溫	Lumen Output 輸出流明	Color Rendering 顯色度	Lamp Base 燈腳	PCS/CTN 每箱數量
	(V)	(W)	(mm)	(Hrs)	(K)	(Lm/W)	(CRI)		(pcs)
LT-I0609-LW128A	100~240	9	600	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I0912-LW128A	100~240	12	900	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I1218-LW128A	100~240	18	1200	50000	3000/4000/6000	120	>80	T8,G13	25
LT-I1522-LW128A	100~240	22	1500	50000	3000/4000/6000	120	>80	T8,G13	25

- Light efficiency (lm/W), Power (W), Color Rendering Index (CRI), Can be customized according to customer needs.
- Our Standard Power factor (PF) > 0.9 and Total harmonic index THD < 15%, According to customer requirements can produce a lower THD < 10%.
- This type of certification is issued by a government-approved laboratory for Safety certification, Fire testing, Restriction of Hazardous Substances (RoHS), Photobiological safety of lamps and lamp systems. (an Exemption Group) and other test certifications to ensure product quality.



## **iLighting Global Enterprise Co., Ltd.**

**Office Address:** Room B3, 18/F Bonsun Industrial Building,  
364-366 Sha Tsui Road, Tsuen Wan, HongKong

**Phone:** 852-3107 7500

**Fax:** 852-3544 0462

**Email:** [info@ilighting.com.hk](mailto:info@ilighting.com.hk)

**Website:** [www.ilighting.com.hk](http://www.ilighting.com.hk)

