關於我們/About us

iLighting Global Enterprise Co., Ltd.
智 能 環 球 企 業 有 限 公 司

iLighting Global Enterprise Co., Ltd., founded in 2007, is a professional lighting company integrating design, manufacturing and supply. The company is committed to the research, development, manufacturing and sales of energy saving and environmental protection products.

Having been engaged in the lighting industry for 15 years, OEM and ODM services can be provided for customers. We can customize various lighting products with high luminous efficiency, high visibility and high configuration, as well as environmental protection and energy-saving lighting solutions according to customer needs.

智能環球企業有限公司成立於2007年，是一家集設計、製造、供應於一體的專業照明公司。公司致力於節能環保產品的研發、製造和銷售。公司從事照明行業15年，可為客戶提供OEM和ODM服務。我們可以根據客戶需求定制各種高光效、高可視度、高配置的照明產品以及環保節能的照明解決方案。

High Quality LED Lighting	Customized	System-wide Energy Management	Green	Low Carbon	Energy Saving

▪ Company Brands

iLIGHTING ®
Green • Professional
Engineering & Specialty
工程與專業

LED Lighting EAST ®
Commerical Application
商業應用

FSV ®
Retail Market
零售市場

Jig&Kit ®
Decorative Lighting
裝飾照明

CYP 10 10 TECH ®
Intelligence & Lighting Control
智能照明控制

Engineering & Specialty
工程與專業

Commerical Application
商業應用

Retail Market
零售市場

Decorative Lighting
裝飾照明

Intelligence & Lighting Control
智能照明控制

Our Products

▞ Apply to Engineering & Specialty

adheres to engineering and professionalism, strictly controls product quality, and brings you products with the highest cost performance while pursuing stable product functions.

堅持工程化、專業化，嚴格把控產品質量，在追求產品功能穩定的同時，為您帶來最高性價比的產品。

▞ Certificate Authentication

The products have successively obtained more than 100 CE and lighting professional standard certificates. Since the establishment of our company, Our company, has successively obtained more than 10 short-term patents in Hong Kong and more than 10 national patent certificates in mainland China.

產品先後獲得100多項CE及照明專業標准證書。公司自成立以來，先後獲得十多項香港短期專利和十多項中國大陸國家專利證書。

CE ｜ RoHS ｜ Patents

10 Main Series

Our produces and operates 10 series of products, including LED Tube&Batten, Kitchen&Cabinet, Down Light&Spot, HighBay&Street, IOT LED Light Bulb&Track, which have gained consumer recognition and maintained good cooperative relationships with numerous businesses.

我們生產經營LED燈管&燈條、廚房&櫥櫃、筒燈&射燈、工礦燈&路燈、物聯網LED燈泡& 軌道等10個系列產品，獲得了消費者的認可，並與眾多商家保持了良好的合作關係。

| Series 1 | Series 2 | Series 3 | Series 4 | Series 5 |
| Tube & Batten | Kitchen & Cabinet | Down Light & Spot | Bulb | Panel & Track |

| Series 6 | Series 7 | Series 8 | Series 9 | Series 10 |
| HighBay & Street | Solar & Wall | Driver & Switch | IOT LED Light | Control & intelligent |

The sensor lighting series is a sub-series of LED tube series, our official website shows some products of different series, if you are interested in our other series of products, welcome to our official website to check and call for consultation.

感應系列是LED燈管系列的一個子系列，我們的官網展示 了不同系列的部分產品，如果您對我們其他系列的產品感 興趣，歡迎到我們的官網查看並來電諮詢。

Engineering & Specialty
工程與專業

LED Lighting
EAST
Commerical Application
商業應用

ESV
Retail Market
零售市場

Jig&Kit
Decorative Lighting
裝飾照明

CYD 10
10 TECH
Intelligence & Lighting Control
智能照明控制

Our LED Sensor Lighting Series

- According to the scene, lighting on demand. The sensing time is accurate.
  根據場景，按需照明，感應時間精確。

- Can be combined used different sensors (microwave/ infrared/ sound/ photosensor).
  不同感應器均可搭配應用（微波/人體紅外/聲音/光敏感應）。

- The time and brightness can be adjusted on site, which is more convenient to use and more energy-saving.
  時間、亮度現場可調，使用更方便，更節能省電。

- The product has stronger stability, no flicker, and protects the eyes.
  產品穩定性更強，無閃爍，保護眼睛。

Sensor | Linkage | Programmable |

Applicable to:
Underground parking lot, stair lighting, government building, passage lighting, etc.

CIC GREEN
PRODUCT CERTIFICATION
CICGPC-L-22452 (LED)

CICGPC-L-22452 (LED)

IOS證書編號：04620Q14516R0S

《香港房屋委員會優化住宅樓宇的照明光度》

▶ ▶ ▶

優化住宅樓宇的照明光度
Optimisation on Illumination Level of Domestic Blocks

The illumination levels for public areas are as follows:

	Normal Mode	Triggered Mode
for typical lobby	50 lux	85 lux
for typical corridor	30 lux	85 lux
for staircase	30 lux	85 lux
for ground floor lift lobby	120 lux	NA
for lift car	150 lux	NA

提升公共地方照明光度

▶ ▶ ▶

採用機電工程署的屋宇 裝備裝置能源效實務守則

Adopting EMSD'S Code of Practice for Energy Efficiency of Building Services Installation

▶ ▶ ▶

新住宅樓宇公用地方的公共照明 光電感應控制

Photocell Sensor Control for Lights in Public Areas of New Domestic Blocks

daylight signal

▶ ▶ ▶

以電子鎮流器取代電感鎮流器

The Use of Electronic Ballast to replace Electromagnetic Ballast

▶ ▶ ▶

廣泛採用LED照明系統

Wider Use of LED Lighting

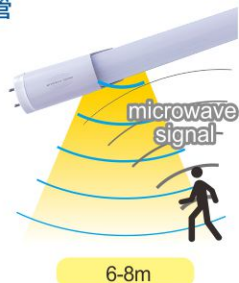Car Park   Staircase   Class Room   Shop   Home   Conference   Office

Sensor Lighting Series

Microwave Sensor LED Tube
微波感應LED燈管

microwave

microwave signal

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 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

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

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.

T8 LED 微波感應燈管
T8 LED Microwave Sensor Tube

>> Microwave controlled internal sensor
>> Full lumen in activation mode, 30% lumen
   in standby mode
>> The detection range can reach up to 8m
>> Exit time 15 seconds--60 minutes
   (on demand customization)

Specification 產品規格

Model LT-11218-M	Colour Temp (K) 3000/4000/6000	Warranty (Years) 3
Voltage (V) 100~240	Lumen Output (Lm/W) 120±5	PF >0.9
Wattage (W) 18	Colour Rendering Index (CRI) >80	
Length (mm) 1200	Lamp Base T8,G13	

T8 LED 紅外感應燈管
T8 LED Infrared Sensor Tube

>> Infrared control internal sensor
>> Full lumen in activation mode, 30% lumen
   in standby mode
>> The detection range can reach up to 6m
>> Exit time 15 seconds--60 minutes
   (on demand customization)

Specification 產品規格

Model LT-11218-IR	Colour Temp (K) 3000/4000/6000	Warranty (Years) 3
Voltage (V) 100~240	Lumen Output (Lm/W) 120±5	PF >0.9
Wattage (W) 18	Colour Rendering Index (CRI) >80	
Length (mm) 1200	Lamp Base T8,G13	

T8 LED 聲控感應燈管
T8 LED Sound Control Tube

>> Built-in voice sensor
>> Full lumen in activation mode, 30% lumen
   in standby mode
>> Sound sensitivity 30-60 dB
>> Exit time 15 seconds--60 minutes
   (on demand customization)

Specification 產品規格

Model LT-11218-V	Colour Temp (K) 3000/4000/6000	Warranty (Years) 3
Voltage (V) 100~240	Lumen Output (Lm/W) 120±5	PF >0.9
Wattage (W) 18	Colour Rendering Index (CRI) >80	
Length (mm) 1200	Lamp Base T8,G13	

Length, Light Efficiency (lm/W),Power (W),Color Rendering Index (CRI), Can be customized according to customer needs.
T5 or T8 tube can also be customized according to customer needs.

T8 LED 光控感應燈管
T8 LED Photosensor Tube

>> Built in photosensitive device
>> Full lumen in activation mode, 30% lumen
   in standby mode
>> Sensing range 10LUX-300LUX
>> Exit time 15 seconds--60 minutes
   (on demand customization)

Specification 產品規格

Model   LT- l1218-MS
Voltage (V) 100~240
Wattage (W) 18
Length (mm) 1200

Colour Temp (K) 3000/4000/6000
Lumen Output (Lm/W) 120±5
Colour Rendering Index (CRI) >80
Lamp Base   T8.G13

Warranty (Years) 3
PF   >0.9

帶時控T8 LED 光控感應燈管
T8 LED Photosensor & Timer ON/OFF Tube

>> Built in photosensitive device
>> Full lumen in activation mode, 30% lumen
   in standby mode
>> Sensing range 10LUX-300LUX
>> photosensitive control + time control

Specification 產品規格

Model   LT- l1218-MS-T
Voltage (V) 100~240
Wattage (W) 18
Length (mm) 1200

Colour Temp (K) 3000/4000/6000
Lumen Output (Lm/W) 120±5
Colour Rendering Index (CRI) >80
Lamp Base   T8.G13

Warranty (Years) 3
PF   >0.9

T8 LED 抗干擾微波感應燈管
T8 LED Anti-interference Microwave Sensor Tube

>> Anti-interference design: 2 pcs microwave
   sensor tubes put into double tube batten, In
   close area not interfere each other
>> Full lumen in activation mode, 30% lumen
   in standby mode
>> The detection range can reach up to 8m

Specification 產品規格

Model   LT- l1218-M-AI
Voltage (V) 100~240
Wattage (W) 18
Length (mm) 1200

Colour Temp (K) 3000/4000/6000
Lumen Output (Lm/W) 120±5
Colour Rendering Index (CRI) >80
Lamp Base   T8.G13

Warranty (Years) 3
PF   >0.9

Length, Light Efficiency (lm/W),Power (W),Color Rendering Index (CRI). Can be customized according to customer needs.
T5 or T8 tube can also be customized according to customer needs.

T8 LED 微波帶聲控感應燈管
T8 LED Microwave Sensor+Sound Control Tube

>> Microwave +Sound controlled internal sensor
>> Full lumen in activation mode, 30% lumen
   in standby mode
>> The detection range can reach up to 8m
>> Sound sensitivity 35-60 dB

Specification 產品規格

Model LT-I1218-MV
Voltage (V) 100~240
Wattage (W) 18
Length (mm) 1200

Colour Temp (K) 3000/4000/6000
Lumen Output (Lm/W) 120±5
Colour Rendering Index (CRI) >80
Lamp Base   T8.G13

Warranty (Years) 3
PF >0.9

T8 LED 可編程微波感應燈管
Programmable Microwave Sensor Tube

>> Microwave controlled internal sensor
>> Full lumen in activation mode, 30% lumen
   in standby mode (user preset)
>> The detection range 6-8m
>> Exit time 15 seconds-60 minutes(user preset)

Specification 產品規格

Model LT-I1218-PM
Voltage (V) 100~240
Wattage (W) 18
Length (mm) 1200

Colour Temp (K) 3000/4000/6000
Lumen Output (Lm/W) 120±5
Colour Rendering Index (CRI) >80
Lamp Base   T8.G13

Warranty (Years) 3
PF >0.9

T8 LED 可編程紅外感應燈管
Programmable Infrared Sensor Tube

>> Infrared control internal sensor
>> Full lumen in activation mode, 30% lumen
   in standby mode (user preset)
>> The detection range can reach up to 5m
>> Exit time 15s-60min (user preset)

Specification 產品規格

Model LT-I1218-PI
Voltage (V) 100~240
Wattage (W) 18
Length (mm) 1200

Colour Temp (K) 3000/4000/6000
Lumen Output (Lm/W) 120±5
Colour Rendering Index (CRI) >80
Lamp Base   T8.G13

Warranty (Years) 3
PF >0.9

Length, Light Efficiency (lm/W),Power (W),Color Rendering Index (CRI)、Can be customized according to customer needs.
T5 or T8 tube can also be customized according to customer needs.
P10

T8 LED 可編程聲控感應燈管
Programmable Sound Control Tube

>> Built-in voice sensor
>> Full lumen in activation mode, 30% lumen
   in standby mode (user preset)
>> Sound sensitivity 30-60 dB
>> Exit time 15s - 60min (user preset)

Specification 產品規格

Model LT- I1218-PV	Colour Temp (K) 3000/4000/6000	Warranty (Years) 3
Voltage (V) 100~240	Lumen Output (Lm/W) 120±5	PF >0.9
Wattage (W) 18	Colour Rendering Index (CRI) >80	
Length (mm) 1200	Lamp Base T8.G13	

T8 LED 可編程光控感應燈管
Programmable Photosensor Tube

>> Built in photosensitive device
>> Full lumen in activation mode, 30% lumen
   in standby mode (user preset)
>> Sensing range 10LUX-300LUX
>> Exit time 15s - 60min (user preset)

Specification 產品規格

Model LT- I1218-PD	Colour Temp (K) 3000/4000/6000	Warranty (Years) 3
Voltage (V) 100~240	Lumen Output (Lm/W) 120±5	PF >0.9
Wattage (W) 18	Colour Rendering Index (CRI) >80	
Length (mm) 1200	Lamp Base T8.G13	

微波感應聯動燈管
T8 Microwave Sensor Tube
+ RF Linkage

>> 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
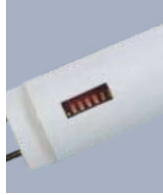   according to the strength of the signal

Specification 產品規格

Model LT- I1218-ML	Colour Temp (K) 3000/4000/6000	Warranty (Years) 3
Voltage (V) 100~240	Lumen Output (Lm/W) 120±5	PF >0.9
Wattage (W) 18	Colour Rendering Index (CRI) >80	
Length (mm) 1200	Lamp Base T8.G13	

Length, Light Efficiency (lm/W),Power (W),Color Rendering Index (CRI). Can be customized according to customer needs.
T5 or T8 tube can also be customized according to customer needs.
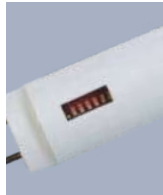
聲控感應聯動燈管
T8 LED Sound Control Tube
+ RF Linkage

>> Sound controlled internal sensor
>> 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

Specification 產品規格

Model LT-I1218-VL
Voltage (V) 100~240
Wattage (W) 18
Length (mm) 1200

Colour Temp (K) 3000/4000/6000
Lumen Output (Lm/W) 120±5
Colour Rendering Index (CRI) >80
Lamp Base T8,G13

Warranty (Years) 3
PF >0.9
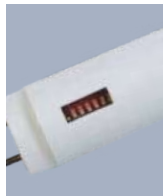
紅外感應聯動燈管
T8 LED Infrared Sensor Tube
+ RF Linkage

>> Infrared control internal sensor
>> 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

Specification 產品規格

Model LT-I1218-IL
Voltage (V) 100~240
Wattage (W) 18
Length (mm) 1200

Colour Temp (K) 3000/4000/6000
Lumen Output (Lm/W) 120±5
Colour Rendering Index (CRI) >80
Lamp Base T8,G13

Warranty (Years) 3
PF >0.9

光控感應聯動燈管
T8 LED Photosensor Tube
+ RF Linkage

>> Built in photosensitive device
>> 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

Specification 產品規格

Model LT-I1218-DL
Voltage (V) 100~240
Wattage (W) 18
Length (mm) 1200

Colour Temp (K) 3000/4000/6000
Lumen Output (Lm/W) 120±5
Colour Rendering Index (CRI) >80
Lamp Base T8,G13

Warranty (Years) 3
PF >0.9

Length, Light Efficiency (lm/W),Power (W),Color Rendering Index (CRI). Can be customized according to customer needs.
T5 or T8 tube can also be customized according to customer needs.
P12

The Advantages And Disadvantages
Of LED lighting ❭❭❭❭

Advantages 優點

1) Same lighting intensity than traditional lamps 5-8 times less energy.
相同的照明強度,能源比傳統燈少 5-8 倍。

2) Traditional lamp output light in all directions. Optical efficiencies of 60-70% with reflectors and diffusers.
The LED can achieve an optical efficiency of more than 90%.
傳統燈輸出光效率向各個方向發光,在反射器和擴散器光效達60-70%, LED 光效達到90%以上。

3) No maintenance or frequent replacement is required. Cost-effective and durable.
無需維護或頻繁更換。成本效益且耐用。

4) Traditional lamps may take > 2 minutes to reach full brightness & Frequent switching affects the service
life of traditional lamps. But LED Turn-on almost instantly. Frequent switching will not affect the service life.
傳統燈需要長達 2 分鐘才達到完全亮度&頻繁開關影響傳統燈使用壽命。但LED開啟立即發光,頻繁開關不會影響使
用壽命。

5) The spectrum of LED meets specific visual, physiological or psychological needs. Allow you to control the
spectrum by adjusting the color temperature and intensity of the light.
LED技術光譜滿足特定的視覺、生理或心理需求。允許調整燈光的色溫和強度來控制光譜。

6) Design flexibility. can be used for various functions. Such as bulbs, tube lights, flexible light strips or neon signs.
設計靈活性,可以用於各種功能: 如燈泡、管燈、柔性燈條或霓虹燈。

7) Traditional lamps have an average lifespan of 8,000 hours, while LED lamps have an lifespan is 5-10 times
傳統燈平均壽命為8千小時, 而LED燈的使用壽命比傳統燈長 5-10 倍

8) The LED Light pollution & unwanted glare effects are reduced by emitting light in a specific direction.
LED 特定方向發射光線, 減少光污染和不必要的眩光效果。

Disadvantages 缺點

1) The blue light pollution rate produced by cool white LEDs is much higher than other traditional
lighting sources. Can cause be harmful to human eyes, impairing vision. (Warm white LEDs
with a color temperature of 3,000K -4000K are recommended.)
冷白光 LED 產生的藍光污染率高於其他傳統照明。導致對人眼有害, 損害視力。   (建議使用
色溫於3000K-4000K 的暖色白光 LED。)

2) It is recommended to use a constant current driver, The voltage drop must be calculated
correctly to avoid adversely affecting the lifetime.
建議使用恆流驅動器, 必須正確地計算電壓降, 以避免對使用壽命產生不利影響。

3) Traditional lamps the price is cheapest, but LED lamps higher costly.
傳統燈是便宜的照明, LED成本昂貴。

4) Not compatible with traditional lighting drivers & controllers, Therefore, need to pay extra
during the LED installation process to get a compatible LED controller.
不兼容傳統照明驅動器&控制器, 因此在 LED 安裝過程中支付額外費用才能獲得兼容的 LED
控制器。

Sensor Light Tube Q&A
感應燈管 Q&A

Q1: 感應燈管是否可安裝支架或燈盤? / Can the sensor light be mounted to the bracket or light panels?

A1: **①** **T8 LED Microwave Sensor Tube（M）**

只可以用於單支架，唯兩支燈管距離或間隔安裝必須要在3米以上，如兩支距離太接近，就會有干擾現象。

It can only be used for a single bracket, and the distance or spacing between the two lamp tubes must be at least 3 meters. If the distance between the two lamps is too close, there will be interference.

② **T8 LED Anti-interference Microwave Sensor Tube （M-AI）**

可用於單/雙支架，雙支架或燈盤建議感應器對角安裝，另外可解決兩支感應燈管太接近，而有干擾現象。

It can be used for single/double brackets, and it is recommended to install sensors diagonally for double brackets or light panels. Additionally, it can solve the problem of interference caused by two induction light tubes being too close.

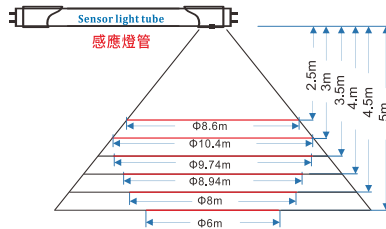**③** **Programmable Microwave Sensor Tube（PM）**

可用於單/雙支架，雙支架或燈盤建議感應器對角安裝，另外可再修改感應燈管之操作參數。

It can be used for single/double brackets, and it is recommended to install sensors diagonally for double brackets or light panels. Additionally, the operating parameters of the induction light tube can be modified.

Q2: 燈管的感應距離 / Sensing distance of lamp tube

A2: * 例如安接高度2.5米時，那么感應的理想
範圍是8.6米

* For example, when the installation
height is 2.5 meters, the ideal range
for sensing is 8.6 meters

Sensor light tube
感應燈管
Φ8.6m
Φ10.4m
Φ9.74m
Φ8.94m
Φ8m
Φ6m
2.5m 3m 3.5m 4m 4.5m 5m

Q3: 是單端還是雙端接綫? / Is it single ended or double ended wiring?

(可按客戶要求去配合不同接線方法/ Different wiring methods can be coordinated according to customer requirements)

A3:

LED AC Tube
One Side Power Supply LED Tube
單端接線

LED AC Tube
Two Side Power Supply LED Tube
雙端接線

Q4: 關于啓動自檢 （首次啓動，有自檢程序，由25秒或5秒不等，但啓動過程不作檢測）
Regarding the startup self test (for the first startup, there is a self test program, ranging from 25s to 5 seconds, but the startup process is not tested)

A4: **①** **T8 LED Microwave Sensor Tube（M）**

首次接上電源，燈管進入全光狀態（100%亮度），感應範圍內如無動作25秒後，燈管則進入休眠狀態（30%亮度）。

When the power is first connected, the lamp enters a full light state (100% brightness). If there is no action within the sensing range for 25 seconds, the lamp enters a sleep state (30% brightness).

② **T8 LED Anti-interference Microwave Sensor Tube（M-AI）/ Programmable Microwave Sensor Tube（PM）**

首次接上電源，燈管進入全光狀態（100%亮度）5秒內變暗，感應範圍內如無任何感應信號，燈管則進入休眠狀態（預設的亮度）。

When the power is first connected, the light tube enters full light mode (100% brightness) and dims within 5 seconds. If there is no sensing signal within the sensing range, the light tube enters sleep mode (preset brightness).

Q5: 關于感應頭壞 / Regarding sensor head failure

A5: 假如感應器壞掉會造成無感應功能，會出現以下兩種情況：

If the sensor is broken, it will cause no sensing function and the following two situations will occur:

①長時間全光，但不會不亮 / Full light for a long time, but it won't go off

②長時間半光，但不會不亮 / Half light for a long time, but it won't go off

Q6: 關于燈管長亮（無半光功能）/ Regarding the long light on of the lamp tube (without half light function)

A6: 必須保證感應範圍內(一般為6~8米)無任何的移動物體，應遠離風扇、風口、和各種可能隨風擺動的物件。

會觸發微波感應燈管造成長亮的情況：

(1)風吹動桌面上的紙張；　(2)風吹動植物葉片；　　　　(3)風吹動塑膠膠袋；　　　(4)風吹動門簾、窗簾等；
(5)風扇葉片的轉動；　　　(6)空調導風葉的擺動窗簾；　(7)寵物等。

It is necessary to ensure that there are no moving objects within the sensing range (usually 6-8 meters), and to stay away from fans, air vents, and various objects that may swing with the wind.
Will trigger the microwave induction lamp tube to cause a prolonged light:

(1) The wind blows the paper on the desktop;　　　(2) Wind blows the leaves of plants;　　　(3) Wind blows plastic bags;
(4) The wind blows the door curtains, curtains, etc;　(5) Rotation of fan blades;
(6) Swing curtains for air conditioning guide vanes;　(7) Pets, etc.

Q7: 無任何感應效果或者感應距離極短 / No sensing effect or extremely short sensing distance

A7: 檢查是否有金屬物件遮蓋：不可用金屬物體遮蓋感應器，金屬物體會遮罩微波信號。

當有金屬物體遮擋感應器時，感應信號會被遮罩，燈管無感應效果，或者感應距離很短。

Check if there are metal objects covering the sensor: Do not use metal objects to cover the sensor, as metal objects may mask the microwave signal.
When a metal object obstructs the sensor, the sensing signal will be masked, the lamp tube has no sensing effect, or the sensing distance is very short.

Q8：關于接應急照明（停電後）/ About connecting to emergency lighting (after power outage)

A8: ❶ **T8 LED Microwave Sensor Tube（M）**

應急時還有微波感應功能 → 應急亮度比後備亮度高（如後備做30%出光，而應急輸出高於30%）
　　　　　　　　　　　　　　　後備狀態就是實際應急亮度, 應急時間越長光度會隨電池電壓降低而下降

It also has microwave sensing
function in case of emergency → The emergency brightness is higher than the backup brightness (for example, the backup output is 30%, but the emergency output is higher than 30%)
The backup state is the actual emergency brightness. The longer the emergency time, the brightness will decrease as the battery voltage decreases.

應急時沒有微波感應功能 → 應急亮度比後備亮度低（如後備做30%出光，而應急輸出低於30%）
　　　　　　　　　　　　　　　應急亮度就是這個產品的實際應急亮度

No microwave sensing function
during emergency → The emergency brightness is lower than the backup brightness (for example, the backup output is 30%, but the emergency output is lower than 30%)
The emergency brightness is the actual emergency brightness of this product

❷ **Programmable Microwave Sensor Tube（PM）**

應急時沒有微波感應功能 → 內部編程設置30%、100%且固定，不具備檔位調節一直是恒功率發光

No microwave sensing function
during emergency → The internal programming settings are 30%, 100% and fixed. There is no gear adjustment and the light is always at constant power.

Q10: 關于安裝位置選擇 / Regarding installation location selection

A10: 不要安裝在動蕩不定的物體上，如：容易震動的薄木板牆。

微波信號可穿過物體：磚牆、玻璃牆、木板牆、混礙土牆等，只要不是金屬都會穿過。

Do not install on unstable objects, such as thin wooden walls that are prone to vibration.
Microwave signals can pass through objects: brick walls, glass walls, wooden walls, concrete walls and other non-metallic objects.

Q11: 關于保養 / About maintenance

A11:

產品保養選擇 product care options	2 年 two years　　　3年 three years　　　5年 five years 常規商用款式保二年，工程款式可選擇保三年或保五年。 Regular commercial styles are guaranteed for two years, while engineering styles can be guaranteed for three or five years.	
免責保修的範圍 Scope of disclaimer of warranty	1. 超過保修期；　　2. 非本公司質量問題引起的故障和損壞； 3. 非產品本身問題：由於人為原因及用戶錯誤或不當使用、保管、保養或操作不當造成的故障和損壞； 4. 未經過我司授權，擅自拆卸或維修造成的損壞。 1. Expired the warranty period; 2. Failures and damages not caused by quality problems of the company; 3. Non-product problems: faults and damage caused by human factors and improper use, storage and maintenance by users; 4. Damage caused by unauthorized disassembly or repair without authorization from our company.	
超過保養期 exceeded maintenance period	1. 超過保養期，需支付額外的維修費及人工雜費等； 2. 如寄存在本公司維修，維修完畢可免費保存貨物一個月，超過時間我司將額外收取產品價值20%的倉儲費； 3. 過保養期的產品，本公司有權利不承擔維修義務。 1. If the maintenance period is exceeded, additional maintenance fees and labor miscellaneous fees need to be paid; 2. If it is stored in our company for repair, the goods can be kept for free for one month after the repair is completed. 　If the time exceeds, our company will charge an additional warehousing fee of 20% of the product value; 3. Our company has the right not to assume maintenance obligations for products that have passed the maintenance period.	