

Lighting Solution : Infrared Sensor LED Tube



Tailor-made high-efficiency optimization solution
Improve energy system application efficiency



Traditional Lighting System



Traditional

Whether or not there is someone, the 24-hour long light is a waste of energy.

The induction time error range of the lamp tube is large, and the user experience is poor.

Illuminate through voice control or other signals, causing noise to disturb people around.



PIR Infrared Sensor Lighting System



Reduced energy consumption
after optimization

Built in PIR sensor, effective sensing detection range can reach 5 meters.

The sleep brightness and delay time can be customized as needed, making it more energy-efficient and power-saving.

The sensing time is precise and sensitive. When triggered within the sensing detection range, the lamp immediately lights up at 100% brightness.

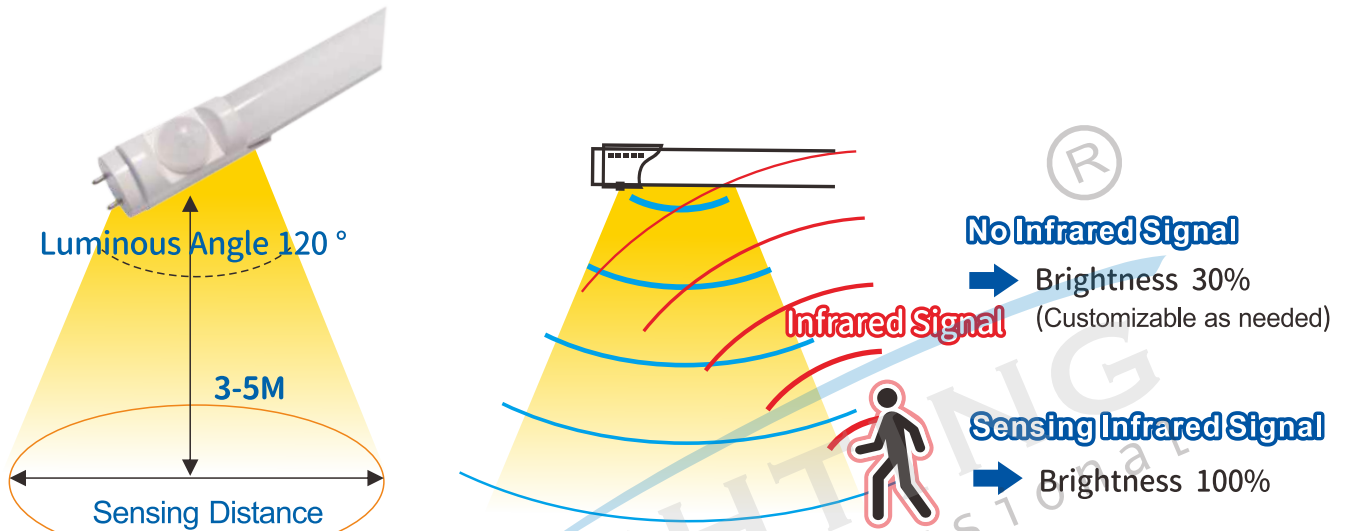
Sensing human body heat without the need for sound, without the hassle of voice controlled noise.

Easy installation and maintenance: Simply replace the original lamp tube without changing the lamp bracket or wiring, saving time and efficiency!

Long life: the average life of 30,000 hours, durable, greatly reduce the frequency of replacement, reduce labor costs.

Improvement

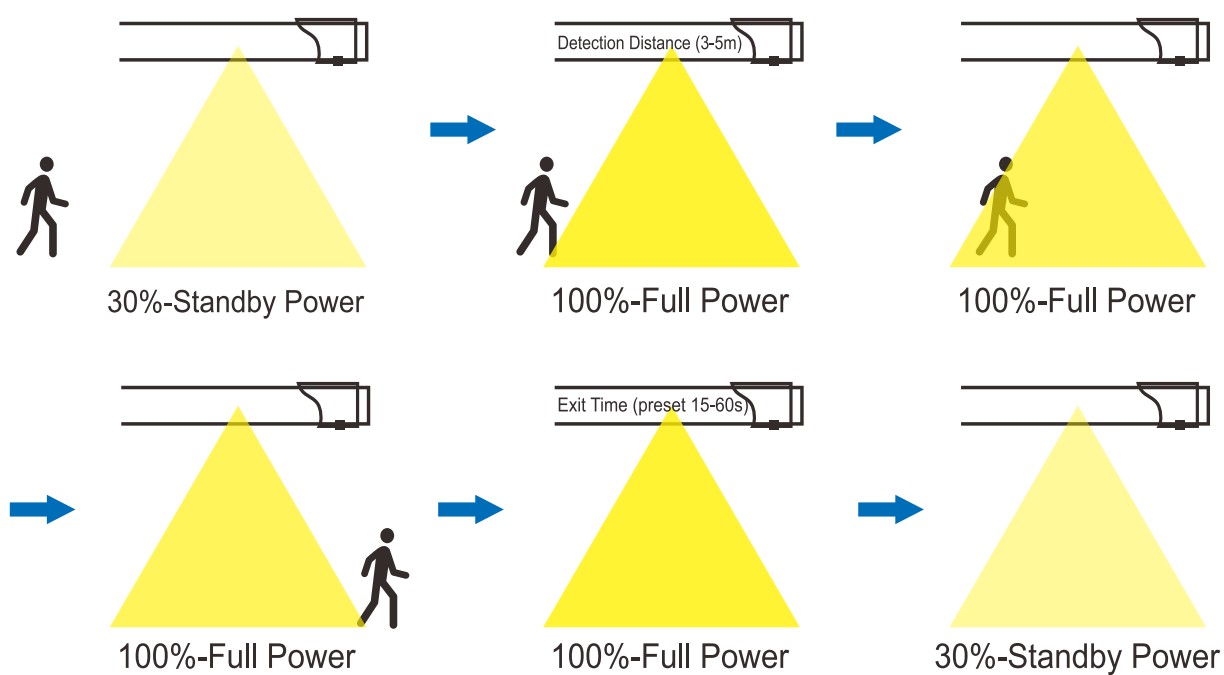
系統原理 System Principle



1
Taking 4 feet and 18W as an example
When an infrared signal is detected within the sensing detection range, the lamp tube immediately lights up at 100% brightness and outputs 18W at full power.

2
When no one passes for 30 seconds (customizable), the light tube automatically adjusts to 30% brightness (customizable), and the power is around 5W, thereby reducing energy consumption and achieving energy-saving goals.

3
The infrared signal is continuously sensed within the detection range, and the lamp is continuously illuminated at full power.



紅外感應燈管解決方案

Solutions To Infrared Sensor LED Tube



量身定製高效能優化方案 促進能源系統應用效率提升

Tailored to provide efficient optimization solutions. Promote the application efficiency of energy system



傳統的感應照明



優化前耗能

- (1) 無論是否有人, 24小時長亮, 能源浪費。
- (2) 燈管感應時間誤差範圍大, 使用體驗差。
- (3) 通過聲控或其他信號來點亮, 噪音困擾周圍的人。

PIR 紅外感應照明系統

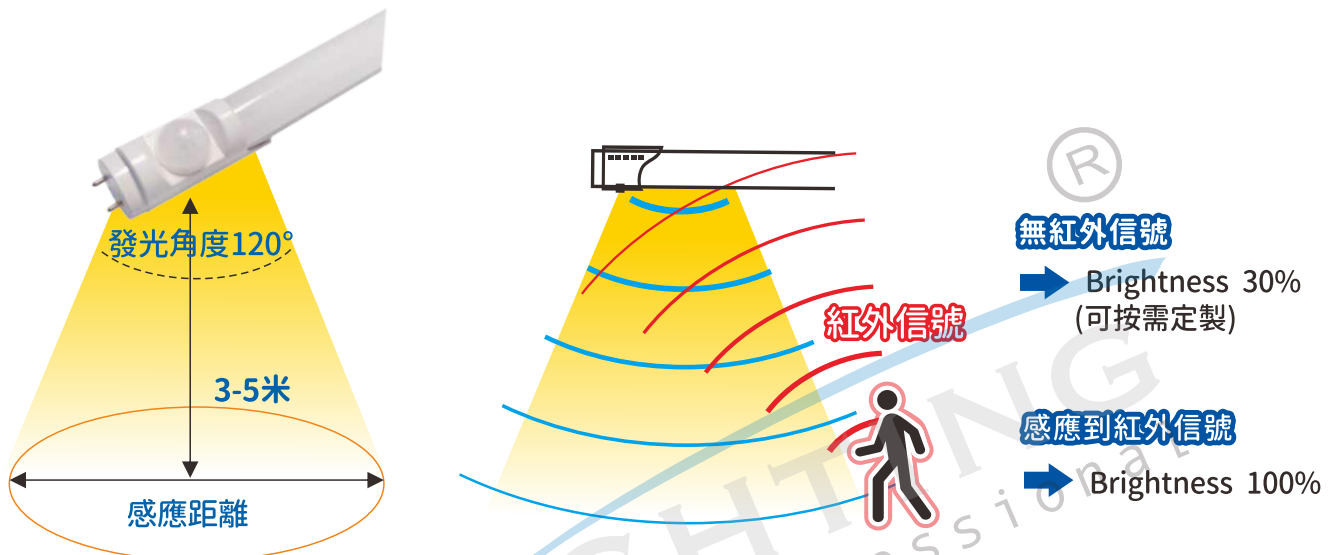


耗能降低

- (1) 內置PIR感應器, 有效感應探測範圍可達5米。
- (2) 休眠亮度、延時時間可按需定制, 更節能省電。
- (3) 感應時間精確, 感應靈敏, 當感應探測範圍內被觸發時, 燈管立即100%亮度點亮。
- (4) 感應人體熱量, 不需要聲音, 沒有聲控噪音的困擾。
- (5) 安裝簡易, 維護簡便: 只需直接更換原有燈管, 不需要更換燈支架及改變線路, 省時高效!
- (6) 壽命長: 平均壽命達30000小時, 堅固耐用, 大幅降低更換頻率, 減少人工費用。

優化

系統原理 System Principle



1
(以4尺18W為例)
當感應探測範圍內感應到紅外信號時,燈管立即100%亮度點亮,滿功率輸出18W。

2
當無人經過30秒(可定制)後,燈管自動調到30%亮度(可定制),這時功率在5W左右,從而降低能耗達到節能目的。

3
探測範圍內持續感應到紅外信號,燈管持續全功率點亮。

