

TOKEYA

ZIBEE PIR or Microwave SENSOR TUBE

ZigBee® **CE** **IP40** 



Microwave Motion Sensor Module
(MID) 5.850~5.875 GHz

PIR Motion Sensor Module
(PID) -0.44Hz~7HZ



DMT-Z" remote Control Zibee Wireless Setting

- ZigBee mesh network smart controls .
- Daylight and Motion sensors embedded.
- Easy Grouping by use DMT-Z" remote Control
- Automatic ON/OFF or Dimming Functions with smart sensing (Daylight, Motion) for maximum energy saving.
- Color Temperature options with 3000K, 4000K, 5000K , 5700K or 6500K.
- Efficiency up to 180lm/W.
- 50% less power consumption than traditional light sources.
- Lowest maintain cost.

Technical Data

Cap base 燈腳 Base de la tapa	• G13
Sensitivity Output 靈敏度輸出 Salida de sensibilidad	• Microwave Motion Sensor Module (MID) 5.850~5.875 GHz±100MHz or • PIR Motion Sensor Module (PID) -0.44Hz~7HZ @ Built-In PIR Sensor
Dimension-尺寸-Dimensión	2feet Dia 28mmx 589mm (H: 604mm) 4feet Dia 28mmx 1198mm (H: 1213mm)
Input Voltage-輸入電壓-Voltaje de entrada	200~240 Vac 50/60Hz
Power Consumption Max-燈具功率 Consumo de energía Max	• 8W @2feet 16W @4feet
ED Driver Type LED驅動款式 Tipo de controlador LED	Integrated-type LED Driver--Zigbee integrated LED Driver Driver efficiency 92%
Power factor 功率因數 Factor de potencia	PF > 0.90
TOTAL HARMONIC DISTORTION 總諧波失真 DISTORSIÓN ARMÓNICA TOTAL	THD< 20%
Brightness holding-Time Setting: 亮度保持時間設置: Ajuste de tiempo de retención de brillo:	0s 30s 1m 3m 5m 10m 20m 30m 45m 60m s : second m: minute DMT-Z" remote Control Zibee Wireless Setting
Brightness on Standby Setting: 待機亮度設置 Brillo en la configuración de espera:	Waiting level-The brightness at xx% (0/10/20/30/40/50/60/70/80) 待機等級 - 亮度為 xx% (0/10/20/30/40/50/60/70/80)
DMT-Z" remote Control Zibee Wireless Setting Remote Control Distance: 10M	Daylight sensor Range: OFF (10/25/50/100/200/300/400/500/600 lux) Infrared Daylight (adjustable) Brightness holding-Time Setting:0s 30s 1m 3m 5m 10m 20m 30m 45m 60m s : second m: minute Waiting level-The brightness at xx%: (10/20/30/40/50/60/70/80) Target level-The brightness at xx% (When detected) : (10/20/30/40/50/60/70/80/90/100)
Sensor Detection Angle 感應器檢測角度	75° x 360° @ PIR Motion Sensor (PID) 人體運動感測器 120°x 360° @ Microwave Motion Sensor(MID) 微波感測器
Maximum detection coverage area 最大檢測覆蓋範圍	Up to 7 meter 最遠7米
Beam Angle 光束角 ángulo de haz	120°
Light Source Brand-光源品牌-Fuente de luz de marca	SMD
Photobiological safety-EN 62471 / of Luminaire 光生物安全檢驗(EN 62471) 結果: Seguridad fotobiológica-EN 62471	Exempt豁免 (無危險)Eximir
"Lumen Maintenance LM-80 Reported	L70> 60,000 hrs
Color Rendering Index-顯色指數 Índice de reproducción cromática	> 80
MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse	Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM
Color Temperature -色溫 Temperatura del color	2700K / 3000K / 4000K / 5000K / 6500K
Luminaire Efficacy 燈具效率 La eficacia de la luminaria	140 Lm/w(2700K), 140 Lm/w(3000K), 160 Lm/w(4000K), 170 Lm/w(5000K), 170 Lm/w(6500K),
LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia	180 Lm/w(2700K), 180 Lm/w(3000K), 200 Lm/w(4000K), 220Lm/w(5000K), 220 Lm/w(6500K),
Housing materials-外殼材料 Materiales de la carcasa	6063 Aluminum shell and Anti UV PC (polycarbonate) cover 6063鋁殼和抗紫外線PC 擴散罩 Carcasa de aluminio 6063 y cubierta de PC (policarbonato) anti UV
Housing Color外殼顏色,color de la carcasa	Milky Diffuser 乳白色罩 Milky difusor
Operating Humidity -工作濕度 Humedad de funcionamiento	0~90%, non-condensing-不結霜 sin condensación
Ingress Protection-防護等級 Protección de ingreso	IP40
Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba	LVD: IEC/EN 60598-1 / IEC/EN 60598-2-1/ IEC 62031 / IEC/ EN 62471/IEC TR62778 / EN60838-2-2 EMC : IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015 IEC62384 ; IEC 62560:2011;IEC 62612; IEC 62766; IEC 62722-1 & IEC 62722-2-1; ROHS
Certification-認證-Certificación	    ZigBee®

Project	Fixture#	Date
		Firm



Ordering Information

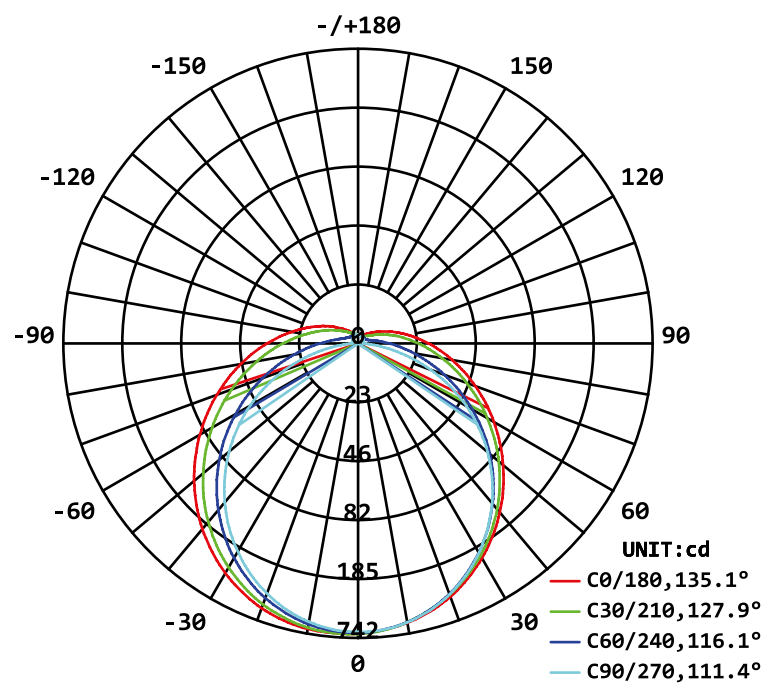
Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.

Example product code: [TOKEYA-18W](#)

TOKEYA - -
[Power Consumption](#)

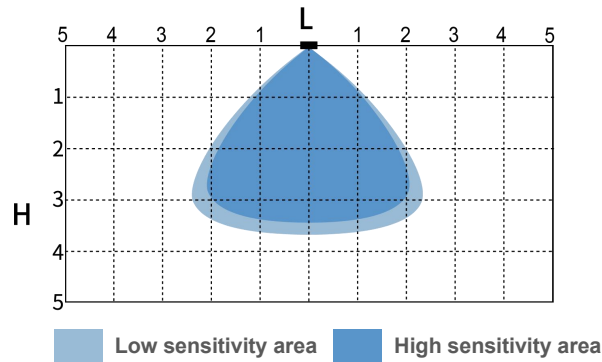
Power Consumption	
Code	Description
16W	16W@4feet
8W	8W@2feet

Beam Angle



Sensing Angle (PID)

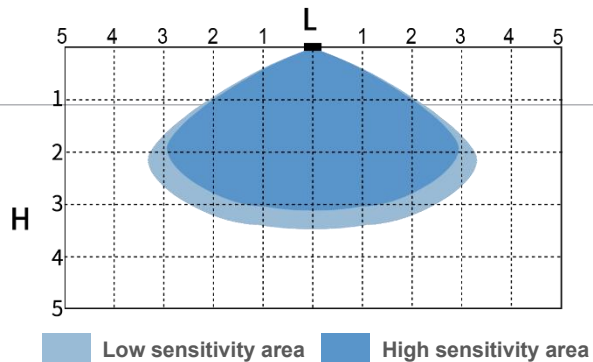
Until: m



Sensing Angle Light 75°

Sensing Angle (MID)

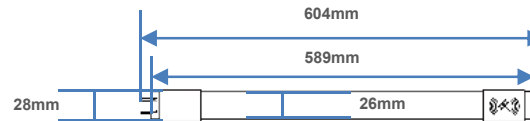
Until: m



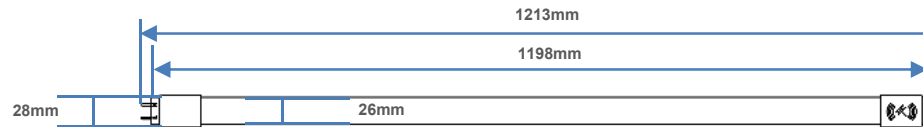
Sensing Angle Light 120°

Technical Drawing

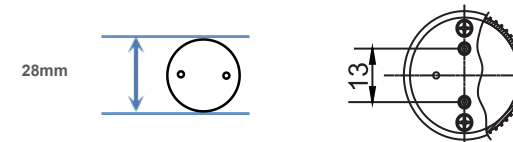
DIMON
TECHNOLOGY



L060



L120



Unit: mm

DMT-Z" remote Control Zibee Wireless Setting



- Daylight sensor Range OFF (10/25/50/100/200/300/400/500/600 lux) Infrared Daylight (adjustable)
- Remote Control Distance 10m
- Brightness holding-Time Setting 0s 30s 1m 3m 5m 10m 20m 30m 45m 60m s : second m: minute
- Waiting level-The brightness at xx% (10/20/30/40/50/60/70/80)
- Target level-The brightness at xx% (10/20/30/40/50/60/70/80/90/100)
(When detected)

Technical Specification of DMT-Z Zigbee Control

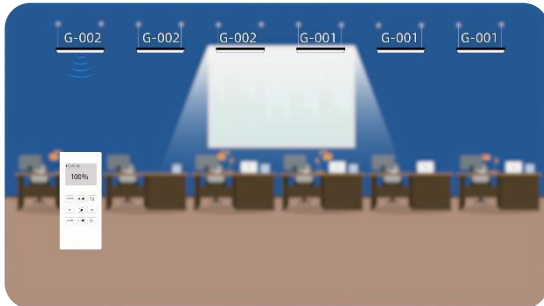


Lamp group linkage effect



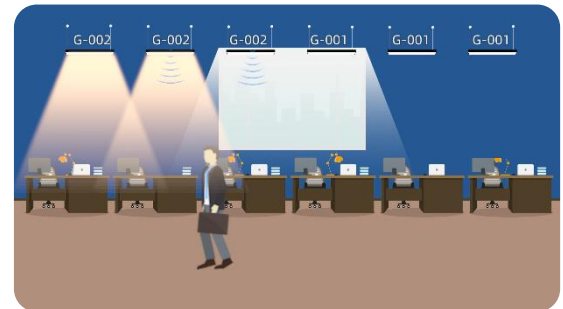
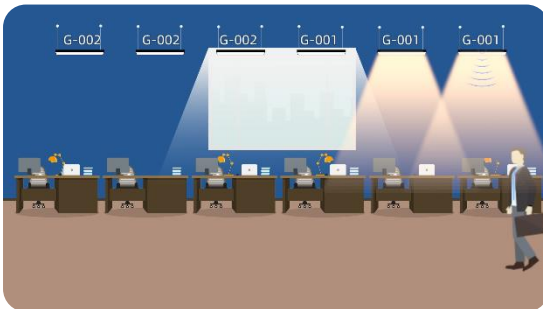
When the ambient light is relatively bright,
the lamp remains off

- By adopt the standard ZigBee technology "DMT-Z" has the inborn advantages like long transmission distance, multiple channels and mesh network
- Users can set the sensor parameters and brightness of one group or individual lamp with one button
- in one group, the motion sensors work together with daylight sensors to control the grouped and individual lamp according to the ambient brightness



The “ZIGBEE” smart light of DIMON are embedded with motion sensor and daylight sensor, using a “DMT-Z” remote control, users can set grouping and parameters very fast and convenient.

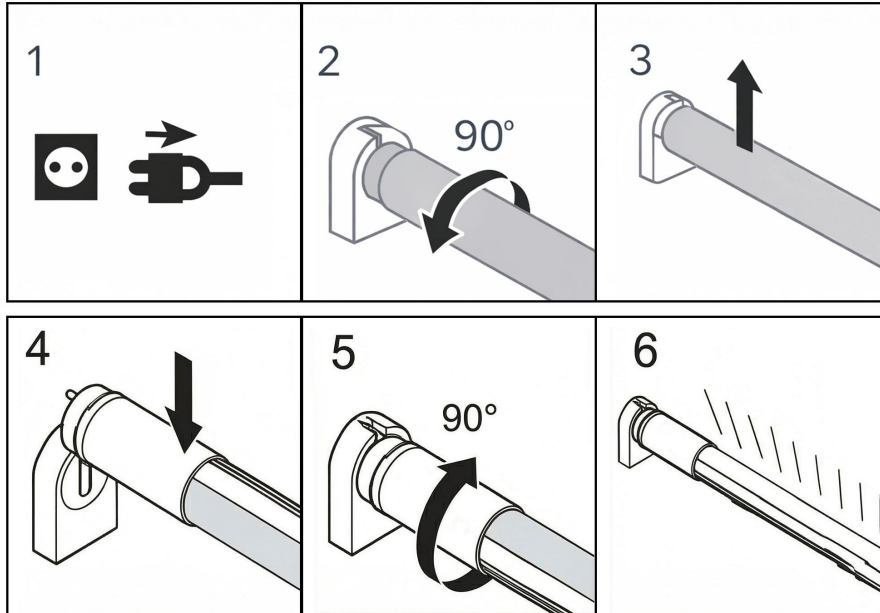
By adopting the standard ZigBee technology, “ZIGBEE” has the inborn advantages like long transmission distance, multiple channels and mesh network.



Users can set the sensor parameters of one group or individual lamp with one button, and change lamp brightness. In one group, the motion sensors work together to control these grouped lamps, and the daylight sensors control the individual lamps on/off according to the ambient brightness.

The ZIGBEE serial include panel, linear light, tri-proof light, highbay, LED tube. This kind of smart lamps can be used for industrial and commercial area, example offices, warehouses, factories, parking and others.

Typical Working Scenarios



- (1) Switch off electricity.
- (2) and (3) Remove the conventional lamp.
- (4) Insert the LED lamp into the lamp holder.
- (5) Secure the position by turning the lamp by 90°.
- (6) Switch on electricity and check for lamp starting.