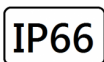


BAWATY-VANDAL G2

Vandal Resistant LED waterproof fitting



- Robust frosted polycarbonate lens resists impact & abuse with IK10
- With high ingress protection IP66
- Designed for heavy industry and projects
- Pressure die-cast aluminum body with a powder coated paint finish
- Suitable for outdoor and indoor use
- Optional amber, blue, green and other colour temperature
- Fixed by security screws, safety to prevent disassembly

BAWATY-VANDAL G2

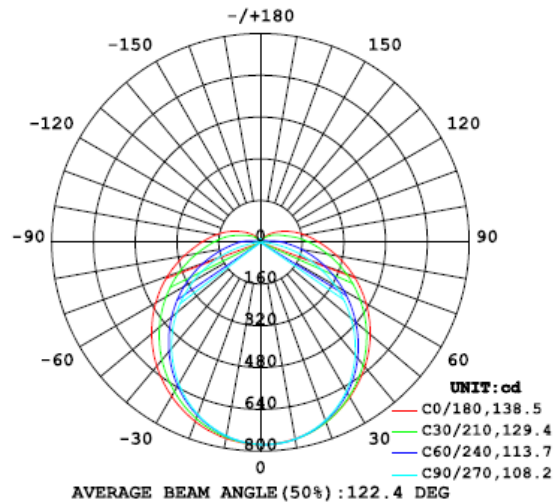
Vandal Resistant LED waterproof fitting

DIMON
TECHNOLOGY

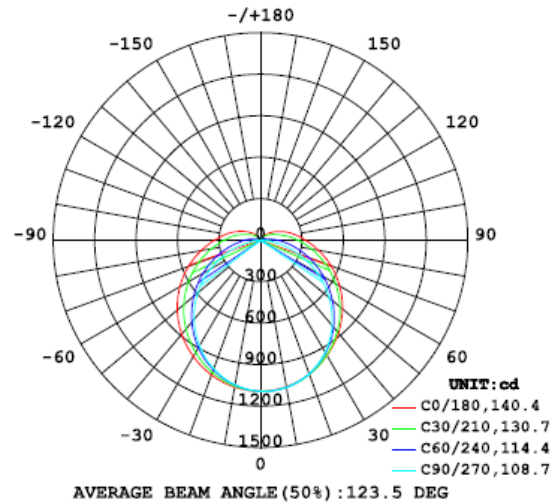
Technical Data

Luminaire Type-安裝方式-Tipo de luminaria	Surface Mounted Type-明裝式燈具-Superficie Tipo Montado	
Dimension-尺寸-Dimensión	L: 650x W 110 x H: 95 mm	L: 1160x W 110 x H: 95 mm
Power Consumption Max-燈具功率 Consumo de energía Max	L: 698mm 20W 25W 30W 35W 40W L: 1160 mm 40W 45W 50W 55W 60W 65W 70W	
Input Voltage-輸入電壓-Voltaje de entrada	AC220-240V 50/60HZ	
LED Driver Type LED驅動款式 Tipo de controlador LED	Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. 0-10V Dimming Driver AC220-240V 50/60HZ 3. DALI Dimming Driver AC220-240V 50/60HZ 4. Emergency Backup >2 hours or >3 hours @ < 12 charger hours應急電池/Copia de seguridad de emergencia	
LED Driver Features 驅動特性 Funciones del controlador de LED	Power Factor (Lambda): PF>0.95 or PF > 0.9 Total Harmonic Distortion: THD<20%	
Control Protocol-控制協議-Protocolo de Control	0-10V / DALI	
Light Source Brand-光源品牌-Fuente de luz de marca	SMD LED	
"Lumen Maintenance LM-80 Reported by TM-21"@ 25°C	L70 > 54,000 hrs	
LED Life-LED壽命-La vida del LED	>100,000 hours	
Color Temperature -色溫 Temperatura del color	2700K / 3000K / 4000K / 5000K / 6500K	
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 ellipse	standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM	
Beam Angle 光束角 ángulo de haz	110°	
Photobiological safety-IEC 62471 / of Luminaire 光生物安全檢驗(IEC/EN 62471) 結果: Seguridad fotobiológica-IEC 62471	Exempt 豁免Eximir	
Luminaire Efficacy 燈具效率 La eficacia de la luminaria	100 Lm/w(2700K), 120 Lm/w(5000K),	110 Lm/w(3000K), 120 Lm/w(6500K), 120 Lm/w(4000K),
ED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia	140 Lm/w(2700K), 160 Lm/w(5000K),	150 Lm/w(3000K), 160 Lm/w(6500K), 160 Lm/w(4000K),
Housing materials-外殼材料 Materiales de la carcasa	Die-cast aluminum body with UV stabilised polycarbonate Opal Diffuser 壓鑄鋁和抗紫外線乳白PC擴散罩 Aluminio fundido a presión con difusor de ópalo de policarbonato estabilizado a los rayos UV	
Housing Color外殼顏色color de la carcasa	RAL 7035	
Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos	IK10	
Ingress Protection-防護等級 Protección de ingreso	IP66	
Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento Operating Humidity -工作濕度 Humedad de funcionamiento	-20 °C / +50 °C 0~100%, non-condensing-不結霜 sin condensación	
Net Weight淨重Peso Neto	650mm @ 9.5±0.3kg	1160mm @ 13 ±0.3kg
Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba	LED Luminaires: IEC/ EN 60598-1 / EN 60598-2-1 / EN 62031 / EN 62493 / IEC/EN 62471 / IEC 60598-2-22 / IEC 62031 EN 55015 / EN 61000-3-2 / EN 61000-3-3 / EN 61547 / IEC 62262 / IEC 60529 / IEC TR62778 Luminaries Performance : IEC 62722-1 / IEC 62722-2-1 FSD regulation PPA 104A . RoHS LED Driver: EN 55015 / EN 61000-3-2 / EN 61347-1 / EN 61347-2-13 / EN 61547 / EN 62384	
Certification-認證-Certificación	        	

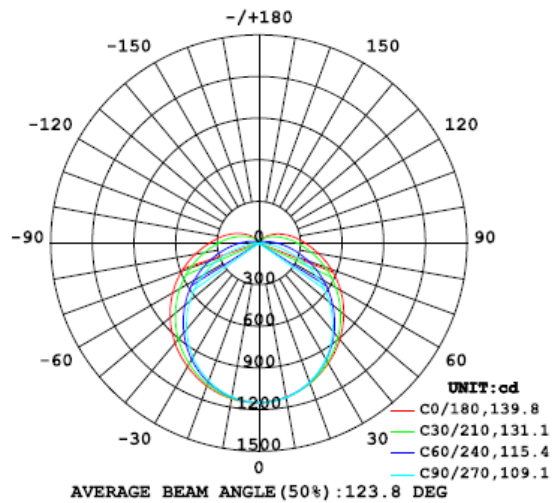
Beam Angle



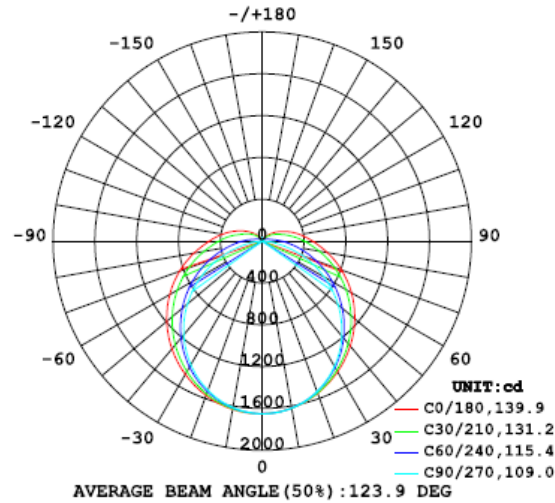
25W@650mm



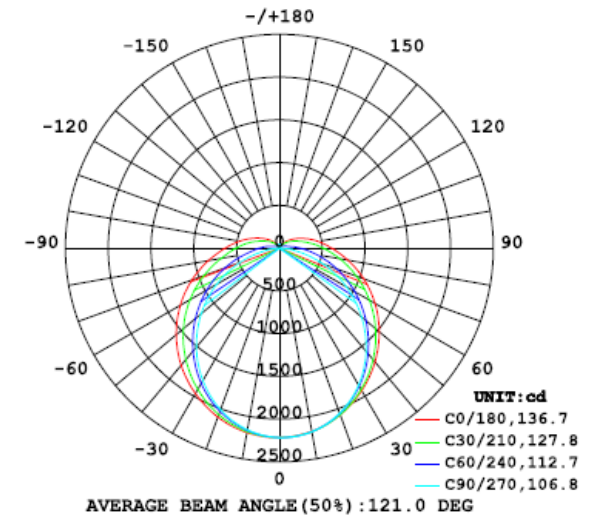
35W@650mm



35W@1160mm

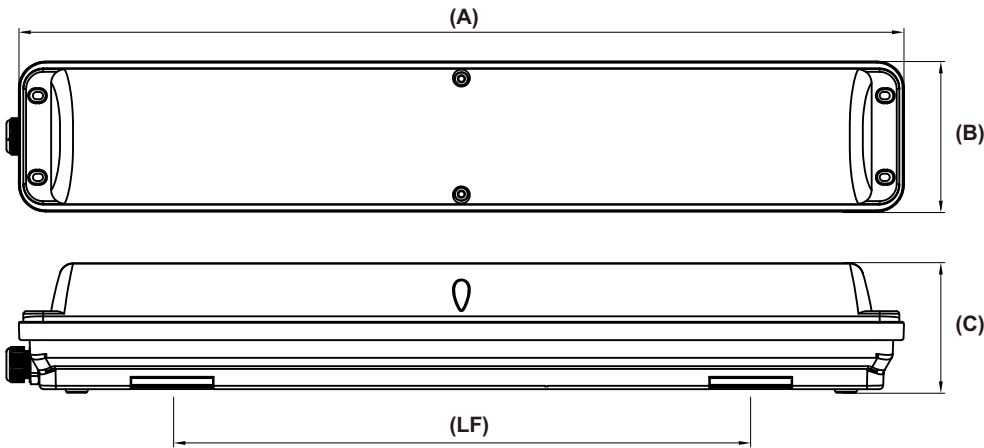


50W@1160mm



65W@1160mm

Technical Drawing



Product Size	A	B	C	LF
650mm	650mm	110mm	95mm	400-450mm
1160mm	1160mm	110mm	95mm	775-825mm

MANUAL INSTRUCTION

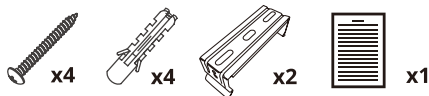
Cixi Yuanhui Lighting Electric CO.,Ltd



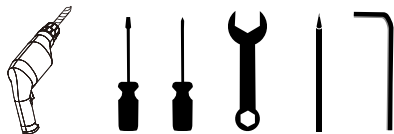
Safety Notice:

- ① Electrical installation should be done by registered electrician.
- ② Disconnect the luminaire from supply and until luminaire is cooled down, before replacement of the driver.
- ③ Never touch the lamp while luminaire is switched on.
- ④ In any case of malfunction disconnect luminaire from supply immediately, don't try to repair the luminaire yourself, repair should only be done by registered electrician or official service agent.

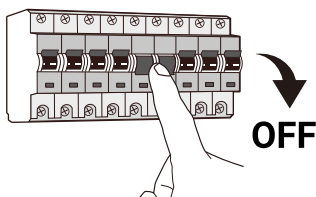
Include



Not Include

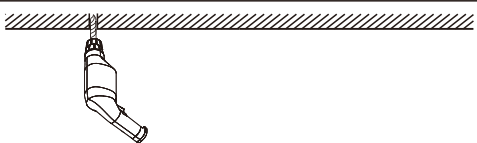


Model	Power	Fixing Hole Centre
650	25W	425mm
650	35W	425mm
160	35W	800mm
1160	50W	800mm
1160	65W	800mm

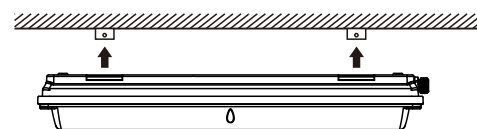


WARNING

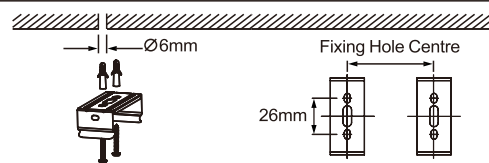
Switch off the power supply before installation



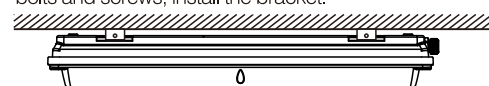
1. Drill a $\varnothing 6\text{mm}$ hole



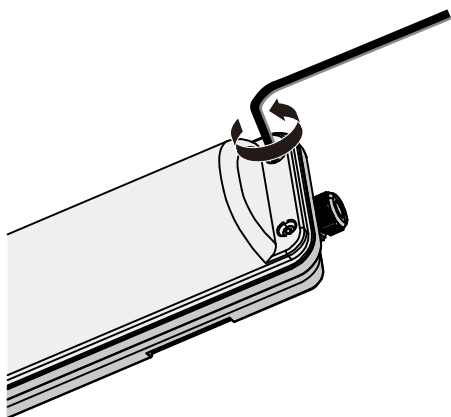
3. Install the luminaire



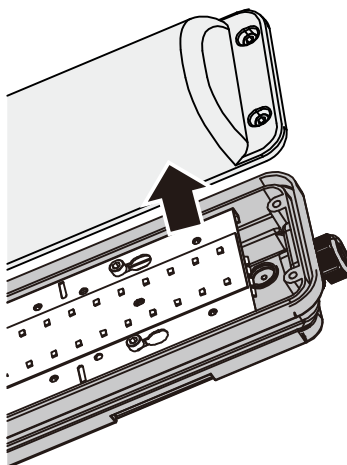
2. According to the Fixing hole centre, install expansion bolts and screws, install the bracket.



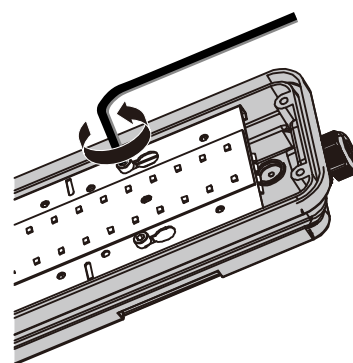
4. Finish install



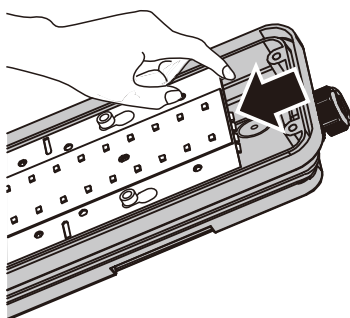
5. Loose the cover screws



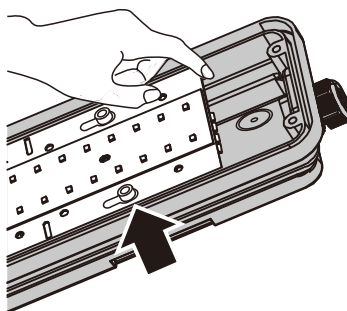
6. Take off the diffuser



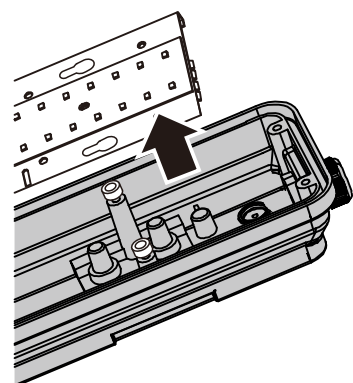
7. Loose the screws



8. Move the LED module



9. Move the LED module to this position



10. Take off the LED module

MANUAL INSTRUCTION

Cixi Yuanhui Lighting Electric CO.,Ltd



220V
240V

50Hz
60Hz



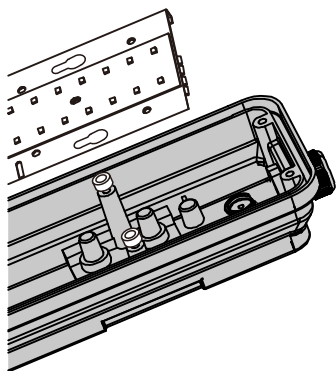
IP66

IK10

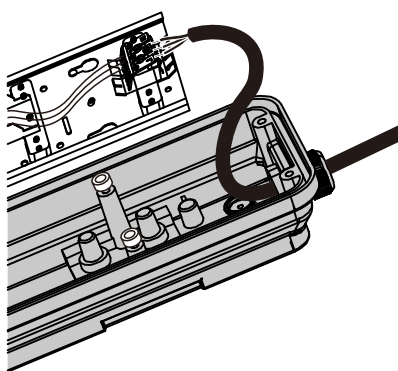


5years

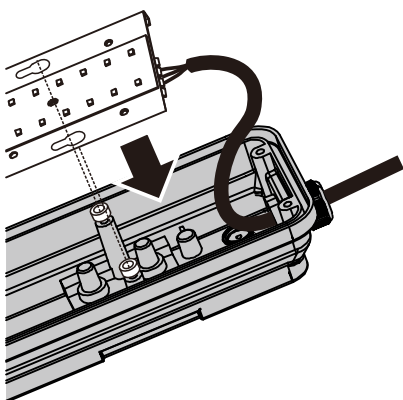
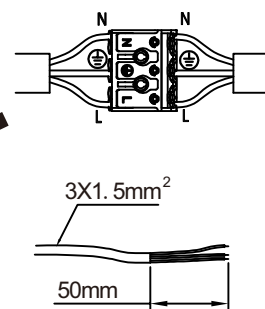
GWT
850°C



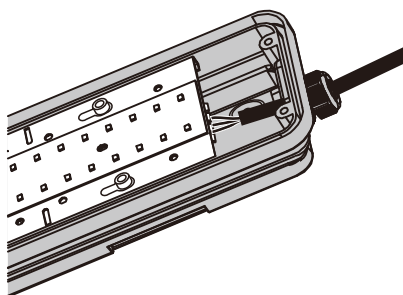
11. Insert the cable through the cable gland



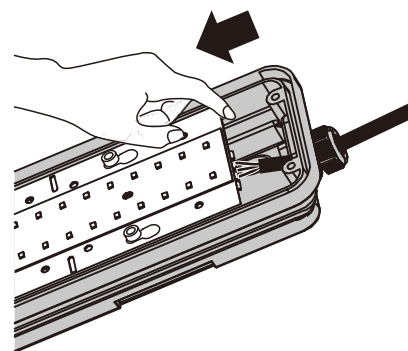
11. Connect L to L, N to N, $\oplus$ to $\oplus$



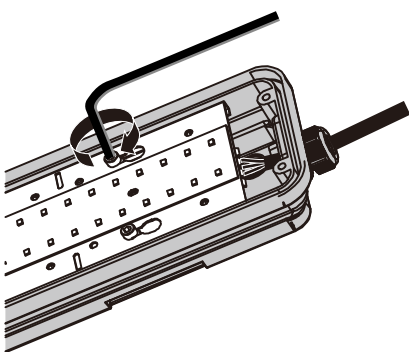
12. Cap the LED module



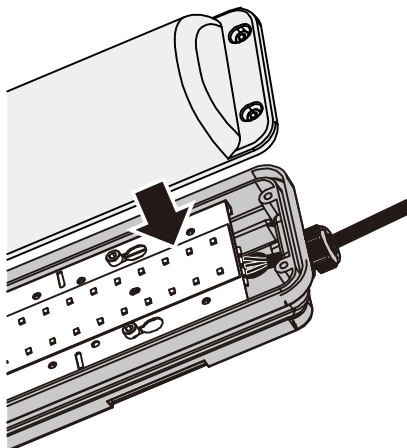
13. Cap the LED module



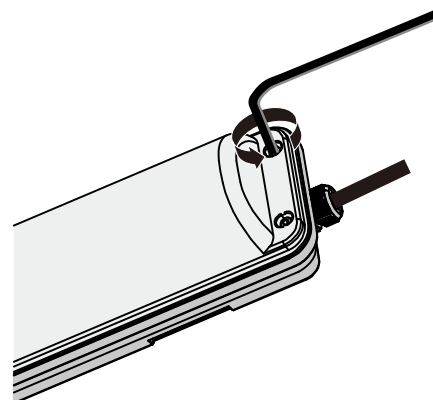
14. Move the LED module back to original position



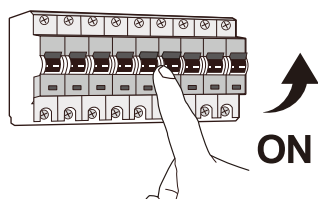
15. Fasten the screws



16. Close the diffuser

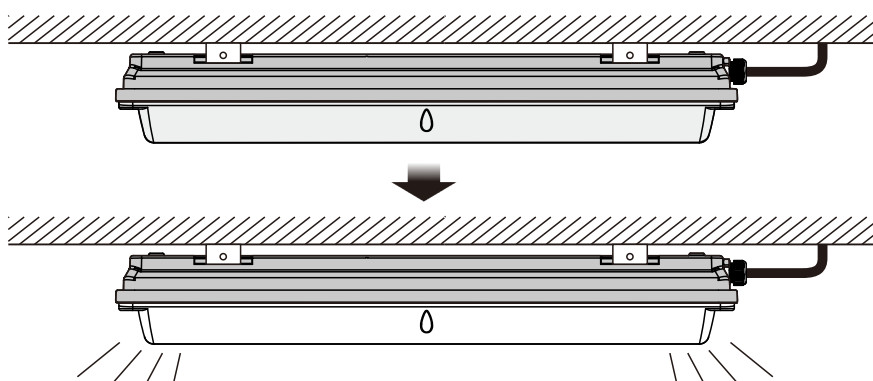


17. Fasten the hexagon screws



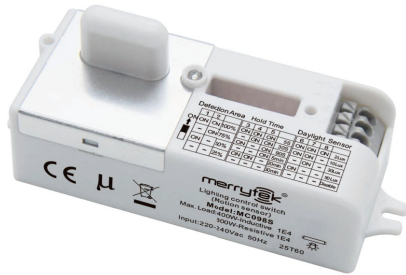
WARNING

Switch off the power supply
before installation



MC098S

1. Features



- Patented antenna design makes reliable detecting, avoid missing triggered when sensor built-in backside of metal LED plate.
- Adjustable detecting sensitivity via DIP switches, suitable to variety of installation sites.
- Support 6m Max. Mounting height .

2. Parameter

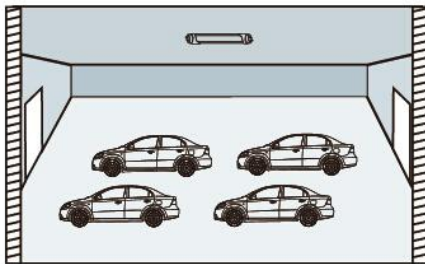
Input	Operating Voltage Range	198-264V AC, 50Hz/60Hz
	Rated Voltage	220-240V AC, 50Hz/60Hz
	Stand-by Power	≤0.5W
	Surge Test	L--N: 1kV
Output	Working Mode	ON/OFF function
	Type of Load	Inductive or Resistive
	Load Capacity	400W(Inductive) ; 800W(Resistive)
	Max. Surge Capacity	30A (50% I _{peak} , t _{width} =500uS, 230Vac full load, cold start); 60A (50% I _{peak} , t _{width} =200uS, 230Vac, full load, cold start)
Sensor Parameters	Operating Frequency	5.8 GHz ±75 MHz , ISM Band.
	Transmitting power	0.5mW Max.
	Hold time	5s//30s/90s/5min/20min/30min
	Detection Sensitivity	100%/75%/50%/25%
	Daylight Sensor	2Lux/10Lux/30Lux/50Lux/Disable
	Detecting Radius	3-10m (mounting height 3-4m) 2-8m(mounting height 6m)
	Mounting Height	6m Max.
	Detecting Angle	150° (Wall mounted), 360° (Ceiling mounted)
Operating Environment	Operating Temperature	-25℃...+60℃
	Storage Temperature	-40℃...+80℃(Humidity: 10%-95% Non-condensing)
Certificate Standards	Safety standards	EN61058-1
	EMC standards	EN300440; EN301489-1; EN55015; EN61547; EN61000-3-2; EN61000-3-3; EN62479
	Environmental Requirement	Compliant to RoHS
	Certificate	CE, RED

Others	Wiring	Press-in Type Terminals, wire diameter : 0.75-1.5mm ²
	IP Rating	IP20
	Protection Class	Class II
	Installation	Built-in
	Dimension	77.5*34.5*22mm
	Package	Bubble bag+Clapboard + Carton (K=A)
	Net Weight	58±2g
	Lifetime	5 years warranty @Ta 230V full load

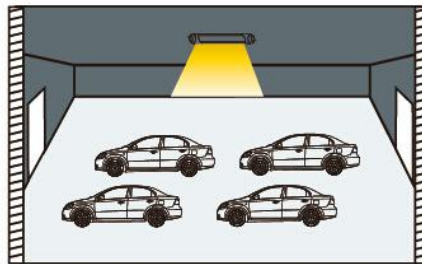
Note

1. "N/A" means not available.
2. Detection area is effected on volume of motion object and motion speed. The detection area is tested by a 170cm height person and walking speed is 0.3m/s.

3.Function

On/OFF Function


- 1 With sufficient ambient light, the light will not be switched on even if with motion signal.

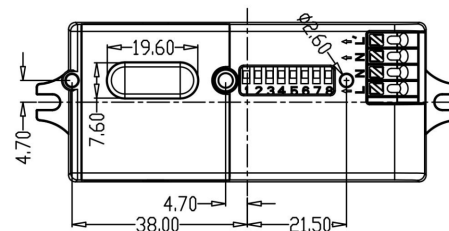
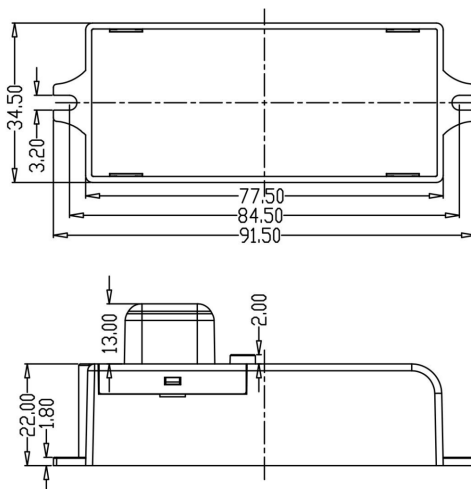


- 2 With insufficient ambient light, the sensor switches on the light when motion is detected.

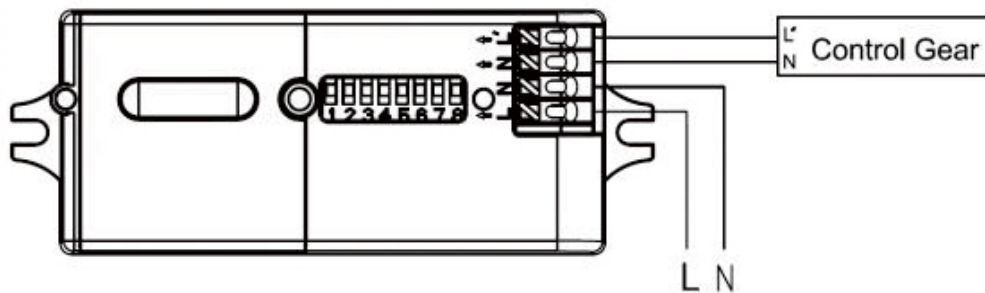


- 3 After elapse of hold time, the sensor switches off the light when no motion is detected.

4. Dimension (mm)

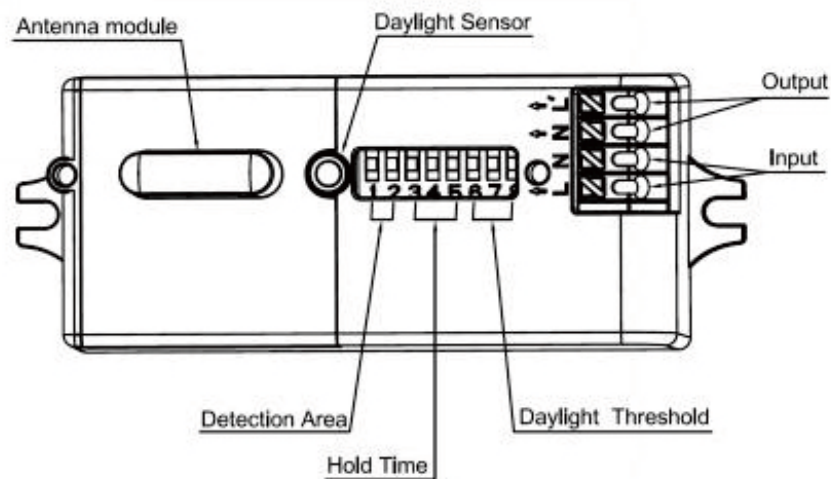


5. Wiring



*The sensor is designed for connect one load only. Connect more than one loads may damage the sensor.

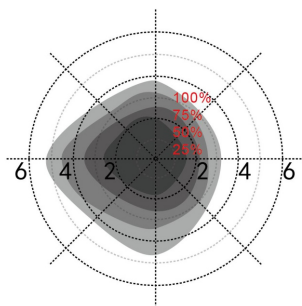
6. Structure



7. Radiation Pattern

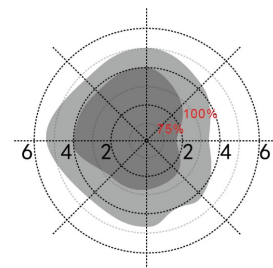
1) Ceiling mounting

Ceiling mounted height: 3m
Sensitivity: 100%/75%/50%/25%

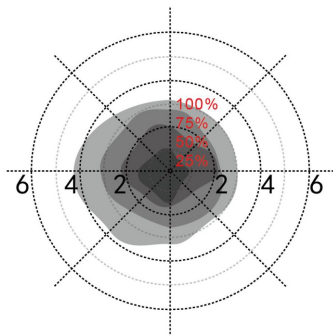


Normal moving (Speed:1m/s)

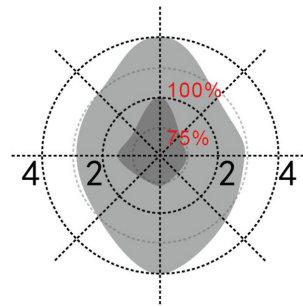
Ceiling mounted height: 6m(*)
Sensitivity:100%/75%



Normal moving (Speed:1m/s)



Slow moving (Speed 0.3m/s)



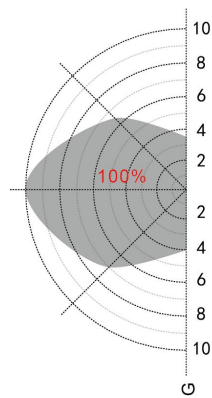
Slow moving (Speed: 0.3m/s)

*Only 100%/75% detection sensitivity is workable when installed at 6m mounting height. 25%/50% sensitivity is not able to detect motion signal.

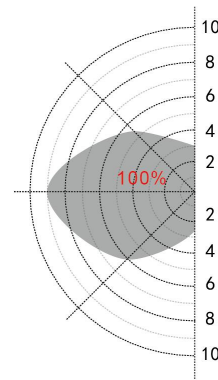
2) Wall mounting

Horizon mounted height: 2m

Sensitivity: 100%



Normal moving (Speed: 1m/s)



Slow moving (Speed 0.3m/s)

8. DIP Switch Setting

Detection Area (Sensitivity)

	1	2
100%	ON	ON
75%	-	ON
50%	ON	-
25%	-	-

Hold Time

	3	4	5	
I	ON	ON	ON	5S
II	-	ON	ON	30S
III	ON	-	ON	90S
IV	-	-	ON	5min
V	ON	ON	-	20min
VI	-	-	-	30min

Daylight Threshold

	6	7	8	
I	ON	ON	ON	2Lux
II	ON	ON	-	10Lux
III	-	ON	-	30Lux
IV	ON	-	-	50Lux
V	-	-	-	Disable*

*Disable” means the daylight sensor not work. it will turn on light once motion is detected regardless of ambient light .

9. Override Function

Quick switch ON/OFF 3 times within 2sec to override sensor function. Lights will switch on all the time. Power off and on again to recover sensor function.

10. Initialization

After power on, the sensor automatically turns on light at 100% brightness. After 10sec, it turns off the light. During the initialization, the sensor is not able to detect movement.

11. Factory Setting

Detection area: 100%, Hold Time: 5S, Daylight Sensor: Disable