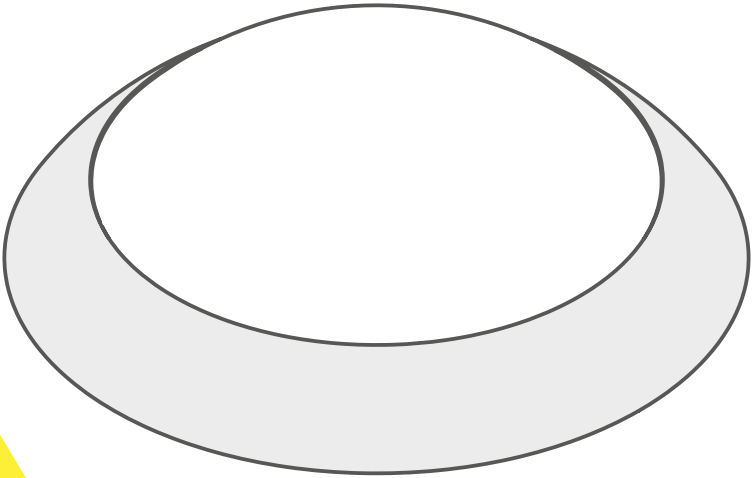
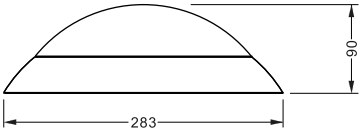
LED ceiling lamp
Operation Manual



TRONIX

MAIN TECHNICAL DATA

Input: AC 220-240V 50/60Hz
Light source: LED SMD2835
Working temperature: -25°C---+50°C
-25°C---+40°C(with sensor)



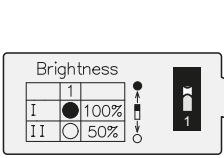
CAUTION

1. The product must be installed by professional technicians and power supply must be cut off before installation.
2. The installation wiring must be 2x 1.0mm^2 at least and wired in accordance with the latest IEE electrical regulations or the national requirements.(Recommend type of cable is H03VV-F)
3. Don't touch LED while installing or maintaining.
4. The LED light source cannot be replaced.

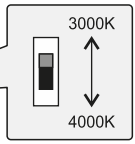
TECHNICAL INFORMATION

CODE	INPUT POWER	LUMEN	IP	BASE	COLOR	COLOUR TEMPERATURE	SENSOR
136-222	10W	1100/550 Lm	IP44	Plastic	White	3000K/4000K	Yes

OPTIONAL BRIGHTNESS

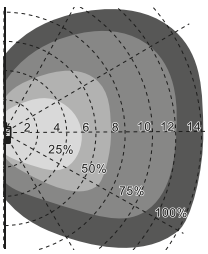


OPTIONAL COLOUR TEMPERATURE

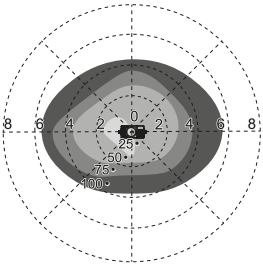


DESCRIPTION OF MICROWAVE SENSOR

- Detection zone Max.(D x H): 14m x 6m
- Detection sensitivity: 25%- 100%, adjustable
- Hold time: 5sec-30min, adjustable
- Daylight 1: 5-15Lux, adjustable or disable
- Daylight 2: 35-150Lux, adjustable or disable
- Stand-by Period : 0sec-+∞,adjustable
  (Refer to “Low light”)
- Mounting height: 6m Max.
- Motion detection: 0.3~3m/s
- Detection angle: 150°(wall installation),
  360°(ceiling installation)

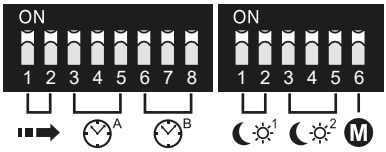


Wall mounting pattern (Unit: m)
Suggested installation height: 2m



Ceiling mounting pattern (Unit: m)
Suggested installation height: 3m

PARAMETER SETTING OF MICROWAVE SENSOR



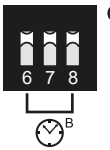
Detection Area

Detection Area refers to the effective range that the sensor can detect. It can be adjusted by configuring the DIP swithes to fit for particular applications.

	1	2	
I	ON	ON	100%
II	—	ON	75%
III	ON	—	50%
IV	—	—	25%

Stand-by Period

Stand-by period is the period that the fitting remains at the standby level before it switches off. If the standby level is set to ∞, the fitting always remains at standby level when the area is unoccupied.
Please note, this stand-by period setting is only applicable under Mode 1.



	6	7	8	
I	ON	ON	ON	0s
II	—	ON	ON	10min
III	ON	—	ON	20min
IV	—	—	ON	30min
V	ON	ON	—	60min
VI	—	—	—	+∞

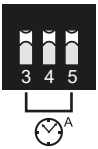
Daylight 2

Daylight2 refers to the condition where the fitting transitions from standby to off when the daylight level reaches the set threshold. This is only applicable under Mode 2 and the LUX value in Daylight1 is **NOT** set to "Disable".

	3	4	5	
I	ON	ON	ON	Disable
II	—	ON	ON	150Lux
III	ON	—	ON	100Lux
IV	—	—	ON	75Lux
V	ON	—	—	50Lux
VI	—	—	—	35Lux

Hold Time

Hold time is the time the fitting remains at 100% brightness after motion is no longer detected.



	3	4	5	
I	ON	ON	ON	5s
II	—	ON	ON	30s
III	ON	—	ON	1min
IV	—	—	ON	5min
V	ON	ON	—	15min
VI	—	—	—	30min

Daylight 1

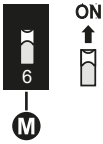
Under Mode 1:
When the daylight level drops below the set value, the microwave sensor becomes active.
When the daylight level exceeds the set value, the light will be always off.
The "disable" setting disables the daylight sensor.

Under Mode 2:
When the daylight level drops below the LUX value, the fitting will turn on at the standby level and the microwave sensor becomes active.
The "disable" setting disables the daylight sensor.

	1	2	
I	ON	ON	Disable
II	—	ON	15Lux
III	ON	—	10Lux
IV	—	—	5Lux

Mode

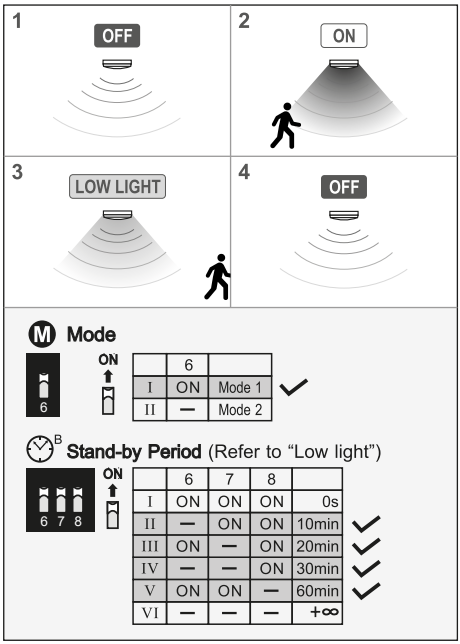
Mode 1: Normal light-control.
Mode 2: Photocell prioritized. "Photocell Prioritized" means that when the daylight level exceeds the set threshold, the fitting will turn off. When the daylight level falls below the set threshold, the fitting will automatically turn on at a standby level and transition from standby level to 100% brightness level when motion is detected.



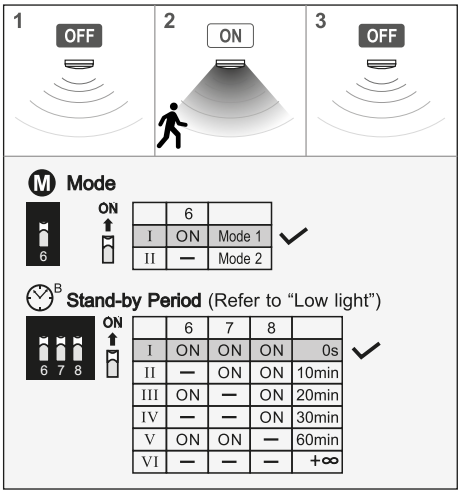
	6	
I	ON	Mode 1
II	—	Mode 2

DESCRIPTION OF SENSOR FUNCTIONS

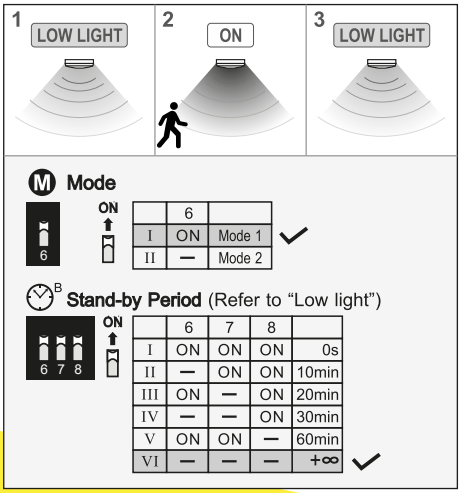
A Normal light-control function
Sensor with **On/Low light(10-30%)/Off**, three-step dimmable.



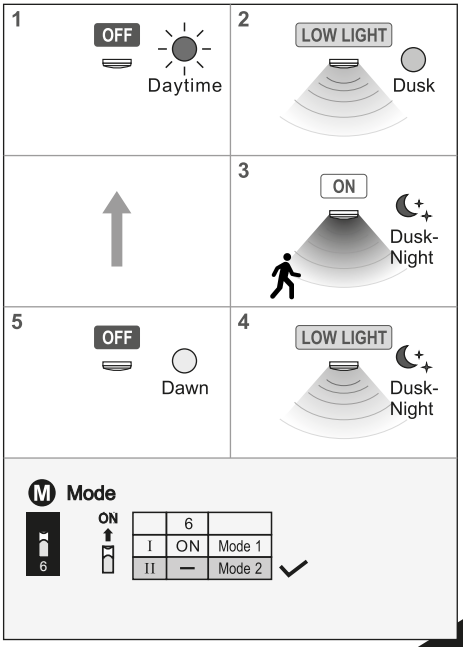
B Normal light-control function
Sensor with **On/Off**, two-step dimmable.



C Normal light-control function
Sensor with **On/Low light(10-30%)**.

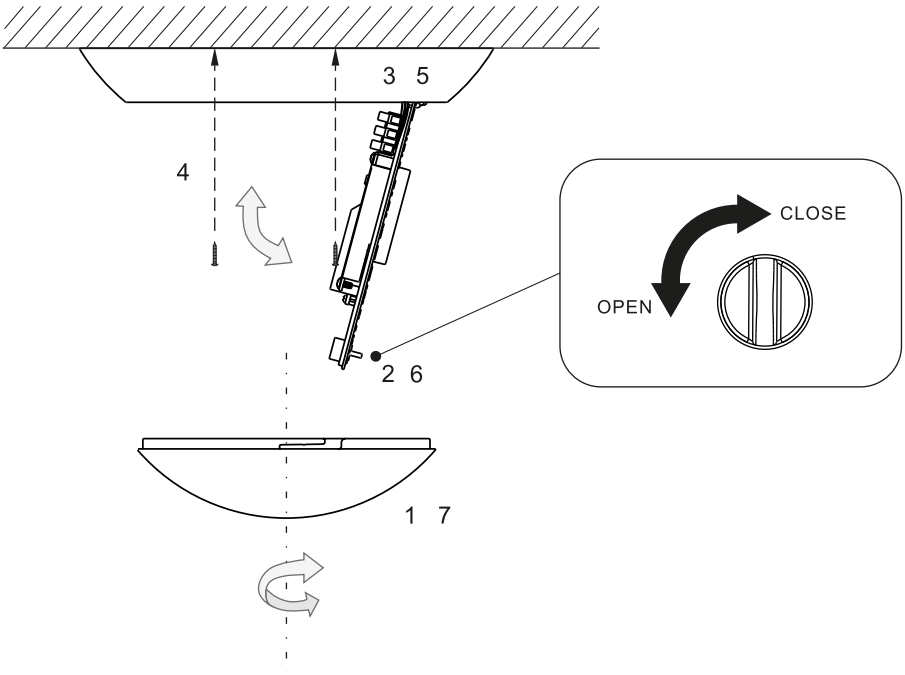


D **Photocell prioritized function**
Sensor with **On/Low light(10-30%)**

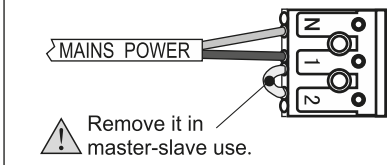


MOUNTING

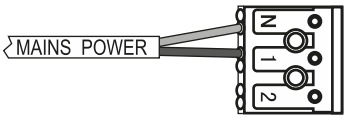
1. Disassemble the diffuser.
2. Open the LED panel.
3. Pull in the power cord through the gasket.
4. Fix the base on the surface with screws .
5. Connect the power cord on the terminal correctly.
6. Close the LED panel.
7. Assemble the diffuser.



Cable connection

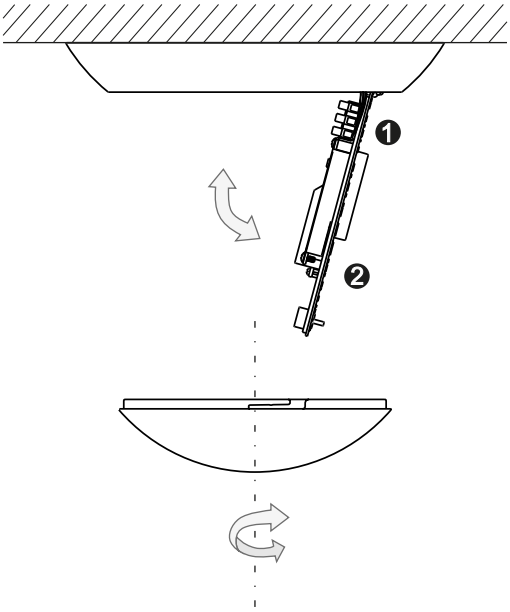


Without Sensor

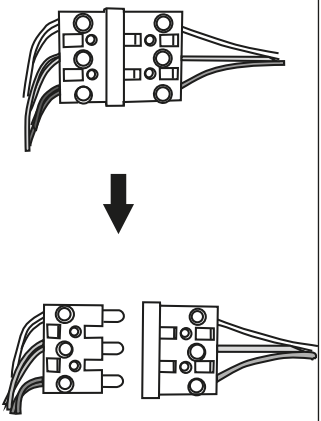


With Sensor (switched live not required)

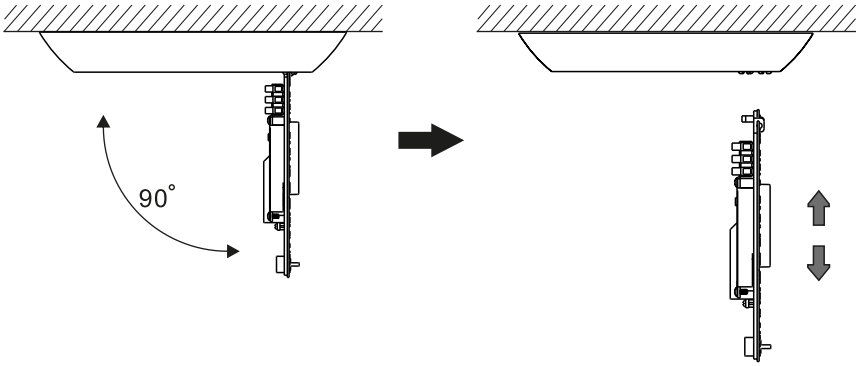
Cut off the mains power first .



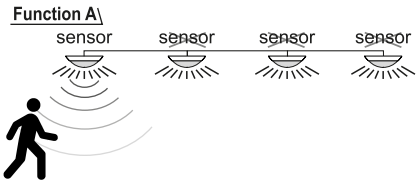
1 Separate the terminals.

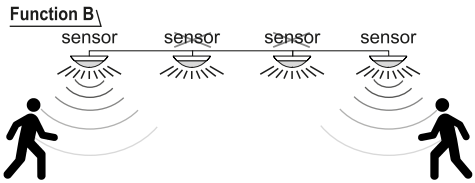


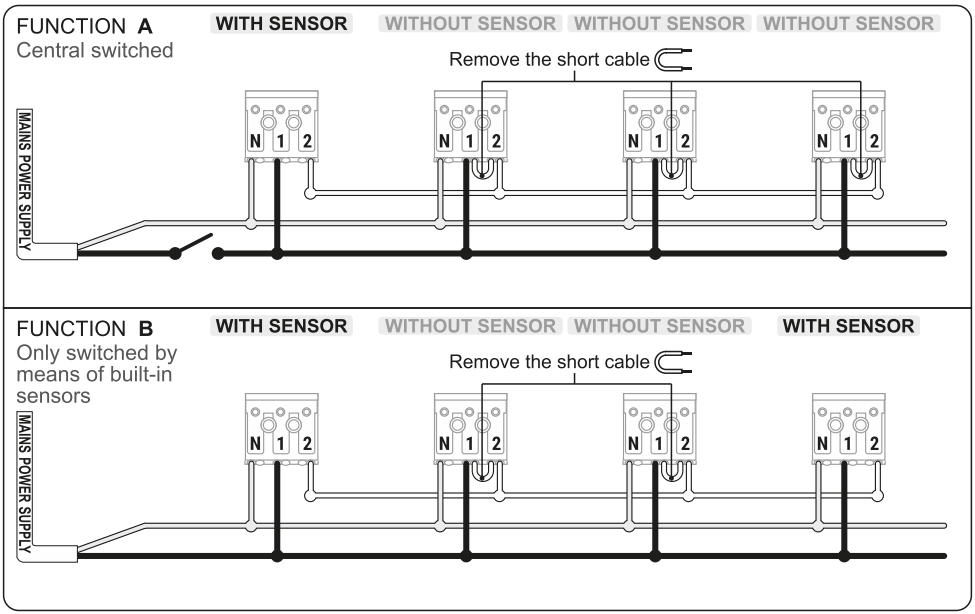
2 Pull out the light panel from the base while rotating it up to about 90˚.



MASTER/SLAVE FUNCTION





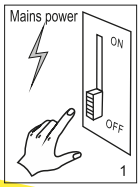


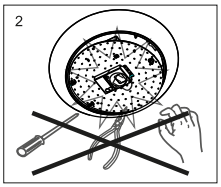
The number of slaves is limited.(**Max.30pcs**)

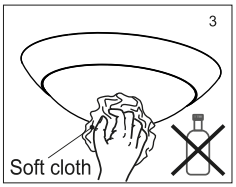
L N Output of sensor

MAINTENANCE

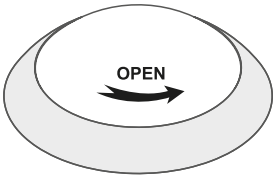
1. Cut off the mains power first.
2. Don't touch LED while maintaining or cleaning.
3. Don't use chemical reagent to clean lamp.



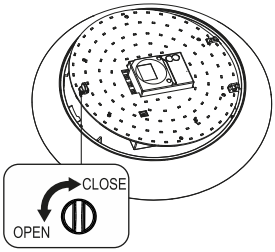




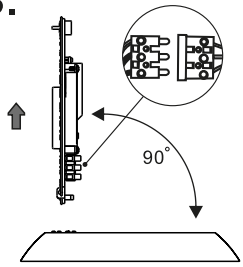
1. Open the diffuser



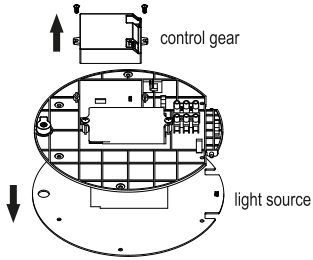
2. Unlock the LED plate



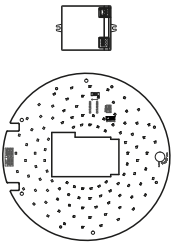
3. Remove the base

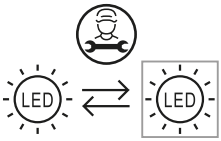


4. Dismantle all these parts

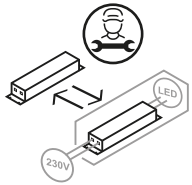


5. The control gear and the light source





Replaceable (LED only) light source by a professional



Replaceable control gear by a professional

This product contains a light source of energy efficiency class **D**

Please note, the control gear in this product is not intended to operate in no-load mode

Environmental protection: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

IP44 CE RoHS 2011/65/EU