



Meaningful Innovation.

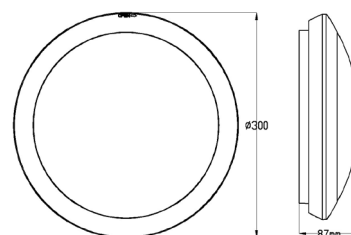
WEEE Number: 80133970

## INSTRUCTION MANUAL

MICROWAVE SENSOR LAMP  
DIMMING & CCT ADJUSTABLE

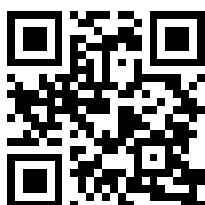
### TECHNICAL DATA

|                        |   |
|------------------------|---|
| MODEL                  | VT-8222                                 |
| SKU                    | 23160                                   |
| WATTS                  | 20W                                     |
| LUMENS                 | 1800 Lm                                 |
| CRI                    | >80                                     |
| BEAM ANGLE             | 120°                                    |
| LIFE SPAN              | 30,000 Hours                            |
| ON/OFF CYCLE           | >15,000                                 |
| INPUT POWER            | AC:220-240V, 50/60 Hz                   |
| MATERIAL               | PC                                      |
| DIMENSION              | Ø300x87 mm                              |
| INSTALLATION<br>HEIGHT | Wall : 1.5 - 3.5 m<br>Ceiling : 2 - 4 m |



### SENSOR DETAILS

|                    |                                      |                        |  |
|--------------------|--------------------------------------|------------------------|--|
| DETECTION ANGLE    | 180°/360°                            | DETECTION RANGE        | 50%, 100% (choice)   |
| DAY LIGHT SENSOR   | 5lux, 15lux, 50lux, 2000lux (choice) | DETECTION DISTANCE     | Wall: 5-15m (adjustable)<br>Ceiling: 2-8m (radius), adjustable |
| TRANSMISSION POWER | <0.2mW                               | HF SYSTEM              | 5.8GHz CW radar, ISM band                                      |
| HOLD TIME          | 10s, 90s, 3min, 10min (choice)       | DETECTION MOTION SPEED | 0.6-1.5m/s   |
| POWER CONSUMPTION  | Approx 0.9W                          | STAND BY DIMMING LEVEL | 10%, 20% (choice)  |
| STAND BY PERIOD    | 0s, 30s, 10min, +∞ (choice)          |                        |  |



#### MULTI-LANGUAGE MANUAL QR CODE

Please scan the QR code to  
access the manual in multiple languages.

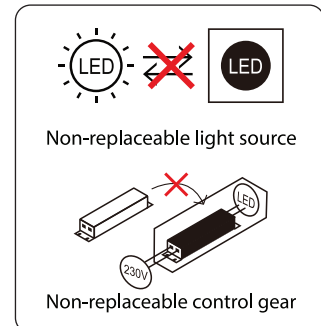
In case of any query/issue with the product, please reach out to us at: [support@v-tac.eu](mailto:support@v-tac.eu)  
For More products range, inquiry please contact our distributor or nearest dealers.  
V-TAC EUROPE LTD. Bulgaria, Plovdiv 4000, bul.L.Karavelov 9B

## INTRODUCTION & WARRANTY

Thank you for selecting and buying V-TAC product. V-TAC will serve you the best. Please read these instructions carefully before starting the installation and keep this manual handy for future reference. If you have any another query, please contact our dealer or local vendor from whom you have purchased the product. They are trained and ready to serve you at the best. The warranty is valid for 2 years from the date of purchase. The warranty does not apply to damage caused by incorrect installation or abnormal wear and tear. The company gives no warranty against damage to any surface due to incorrect removal and installation of the product. The products are suitable for 10-12 Hours Daily operation. Usage of product for 24 Hours a day would void the warranty. This product is warranted for manufacturing defects only.

## WARNING

1. Please make sure to turn off the power before starting the installation.
2. Installation must be performed by a qualified electrician.
3. The light source of this luminaire is not replaceable, when the light source reaches its end of life the whole luminaire should be replaced.
4. If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.



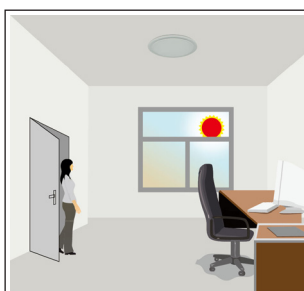
This marking indicates that this product should not be disposed of with other household wastes.



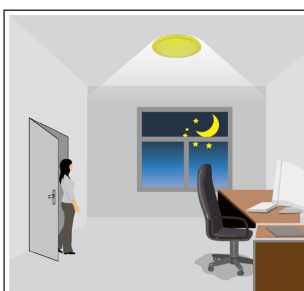
Caution, risk of electric shock.

## FUNCTION

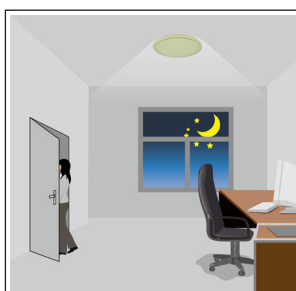
1. Can identify day and night: It can work in the daytime and at night when two knobs are on above position (Daylight Sensor). It can work in the ambient light less than 5LUX when two knobs are on below position (Daylight Sensor). As for the adjustment pattern, please refer to the testing pattern.
2. Hold time is optional. It can be set according to the consumer's desire. The minimum time is 10sec. The maximum is 10min.
3. It offers 3 levels of light: 100 % --> dimmed light (10% or 20% optional) --> off; and 2 periods of selectable waiting time, motion hold time and stand-by period; selectable LUX value and choice of detection area.



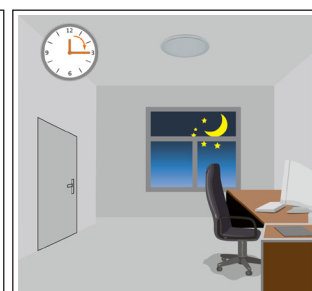
With ambient light more than daylight threshold, the lamp does not switch on when someone enters the room



With ambient light less than daylight threshold, the lamp will be on 100% when someone enters the room



People left, light dims to 10% or 20% (optional) stand-by level after hold time



Light switches off automatically after the stand-by period elapsed

RoHS



UK  
CA

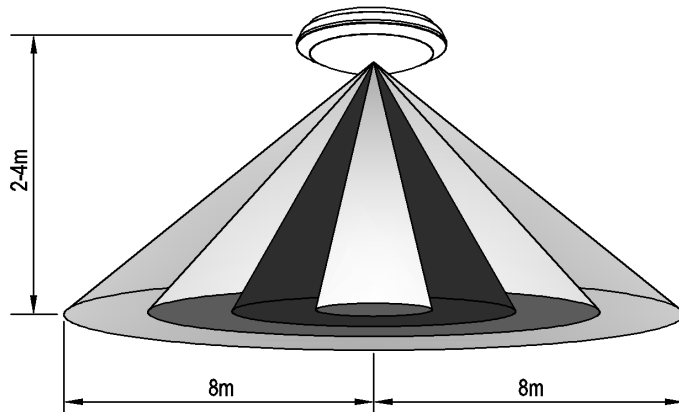


Not Dimmable

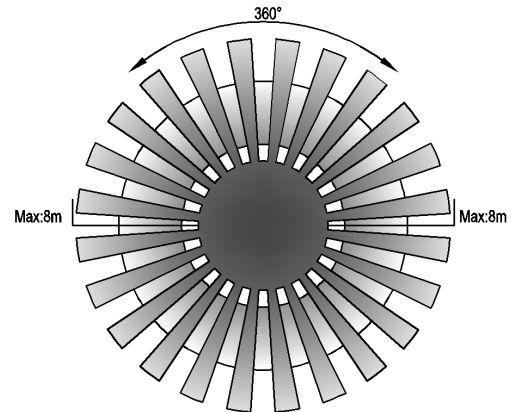


---

## **SENSOR INFORMATION**



Height of installation: 2-4m

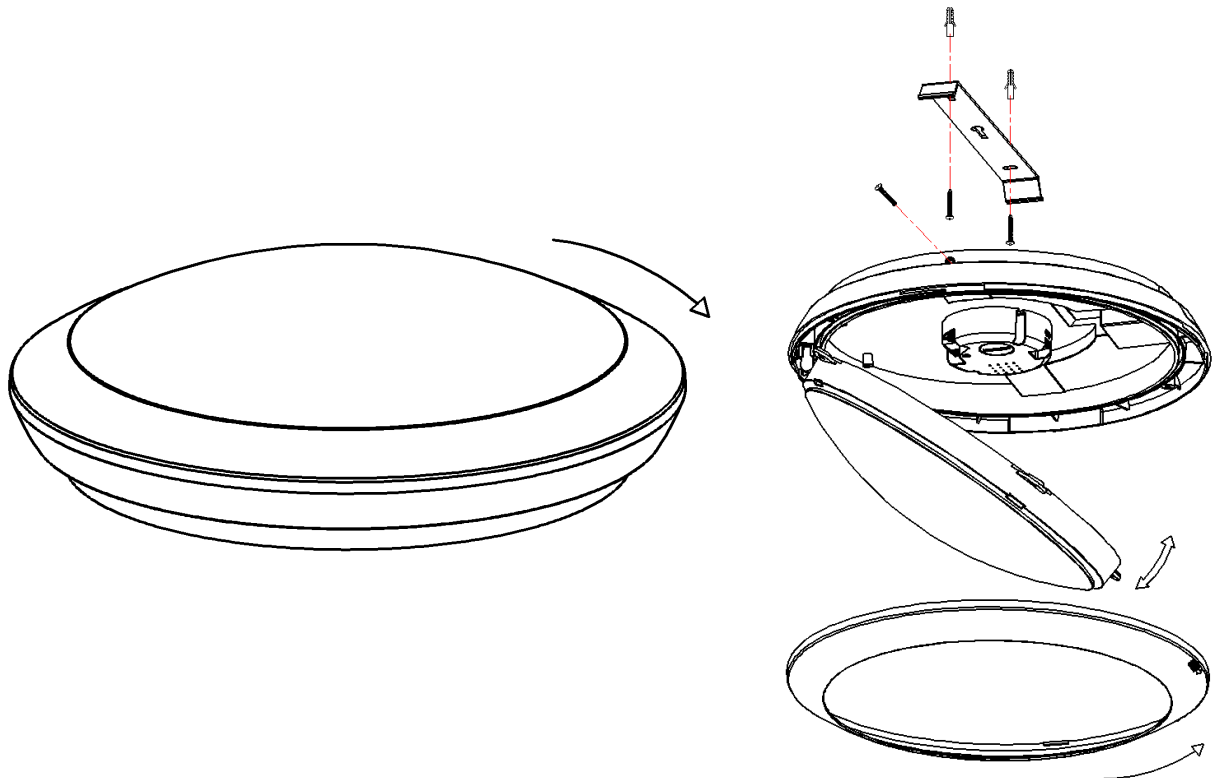


Detection Area: Max. 8m (radius)

## **INSTALLATION**

(see the diagram)

1. Switch off the power.
2. Unload the plastic clockwise to open it, screw off the screws on the lampshade and open the lampshade
3. Put the wire through the wire holes with rubber band which is at the bottom pan of lamp, and connect the wire with terminal according to connect-wire diagram.
4. Fix the metal bracket base on the ceiling through the holes on the bottom pan with enclosed inflated screws
5. Switch on the power and test it.



## SETTING

### Detection Range

Detection distance can be set with different combinations of DIP switches to precisely fit for each specific application



| 1 |      |
|---|------|
| ● | 100% |
| ○ | 50%  |

### Hold Time

Hold Time means the time period you would like to keep the lamp on 100% after the person has left the detection distance



| 2 | 3 |       |
|---|---|-------|
| ● | ● | 10S   |
| ○ | ● | 90S   |
| ● | ○ | 3min  |
| ○ | ○ | 10min |

### Daylight sensor

The LUX value can be set on DIP switches in order to fit different ambient light.



| 4 | 5 |         |
|---|---|---------|
| ● | ● | 2000Lux |
| ○ | ● | 50Lux   |
| ● | ○ | 15Lux   |
| ○ | ○ | 5Lux    |

### Stand-by Period

This time period you would like to keep at the low light output level before it is completely switched off in the long absence person.

**Note:** “+∞” means fixture keeps on stand-by dimming level and never switches off.

“0s” means no dimming function



| 6 | 7 |       |
|---|---|-------|
| ● | ● | 0S    |
| ○ | ● | 30S   |
| ● | ○ | 10min |
| ○ | ○ | +∞    |

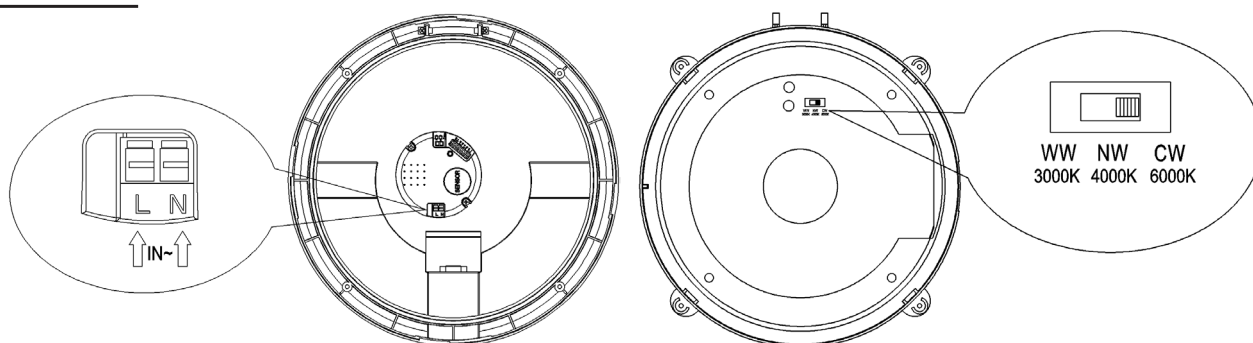
### Stand-by Dimming level

This is dimmed low light control light output level you would like to have after the hold time in the absence person



| 8 |     |
|---|-----|
| ● | 10% |
| ○ | 20% |

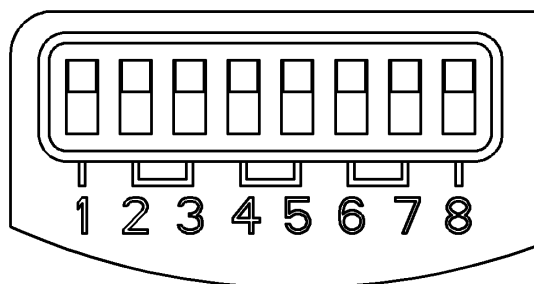
## SETTING



Remarks: you can slide the switch to adjust the color temperature to 3000K, 4000K or 6000K

## TEST

- Slide the all knobs on “above” position. When you switch on the power, the light will be on at once, and 10 sec later without induction signal the light will turn off slowly. Then if the sensor receives induction signal, it can work normally.
- Adjust the stand-by period to “30s”, when the sensor receives induction signal, the light will be 100% on; 10sec later, the light dims slowly to 10% or 20% on for 30sec and then turn off. If the sensor receives second induction signal within the stand-by period, the light will be 100% on.



|   | Detection Range |   | Hold Time |       | Daylight Sensor |         | STBY |       | STBY% |
|---|-----------------|---|-----------|-------|-----------------|---------|------|-------|-------|
|   | 1               |   | 2         | 3     | 4               | 5       | 6    | 7     | 8     |
| ● |                 | ● | ●         | ●     | ●               | ●       | ●    | ●     | ●     |
| ○ | 100%            | ○ | 10S       | 90S   | ○               | 2000Lux | ○    | 0S    | 10%   |
|   |                 | ○ | 3min      | 10min | ●               | 50Lux   | ●    | 30S   | 20%   |
|   |                 | ○ |           |       | ○               | 15Lux   | ○    | 10min |       |
|   |                 |   |           |       | ○               | 5Lux    | ○    | +∞    |       |

**Note:** when testing in daylight, please turn LUX knob to ☀ (SUN) position, otherwise the sensor light could not work!

## NOTES

- Electrician or experienced human can install it.
- Can not be installed on the uneven and shaky surface.
- In front of the sensor there shouldn't be obstructive object affecting detection.
- Avoid installing it near the metal and glass which may affect the sensor.
- For your safety, please don't open the case if you find hitch after installation.

## SOME PROBLEM AND SOLVED WAY

- The load doesn't work:
  - a. Check the power and the load.
  - b. Whether the indicator light is turned on after sensing? If yes, please check load.
  - c. If the indicator light is not on after sensing, please check if the working light corresponds to the ambient light.
  - d. Please check if the working voltage corresponds to the power source.
- The sensitivity is poor:
  - a. Please check if in front of the sensor there shouldn't be obstructive object that affect to receive the signals.
  - b. Please check if the signal source is in the detection fields.
  - c. Please check the installation height.
- The sensor can't shut automatically the load:
  - a. If there are continual signals in the detection fields.
  - b. If the time delay is set to the longest.
  - c. If the power corresponds to the instruction.