

Model No: **ANT-5-4T**

SKU: **T381:**

Plug & Play
Microwave Sensor
for T380

* PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION
LEAVE A COPY FOR THE USER / MAINTENANCE ENGINEER FOR FUTURE REFERENCE



Power Switchable
(200W-160W-120W)



Microwave Sensor
(Plug in Sensor)



Introduction

The ANT-5-4R is a motion sensor that dims lighting from high to low based on movement. This slim, low-profile sensor is designed for installation inside the bottom of a light fixture body. The sensors use microwave sensing technology that reacts to changes in movement within the coverage area. Once the sensor stops detecting movement and the time delay elapses lights will go from high to low mode and eventually to an OFF position if it is desired. Sensors must directly "see" motion of a person or moving object to detect them, so careful consideration must be given to sensor luminaire placement and lens selection. Avoid placing the sensor where obstructions may block the sensor's line of sight. ENER-J Plug & Play Microwave sensor (T381) dims the light from high to low based on movements and conserves Energy by switching off the light when there is enough natural light in the surroundings. Installation is simple and easy. Simply remove the Highbay cover (centre of the Highbay - in between the LED chips) by moving it anti-clockwise and installing the Microwave sensor inside and locking it by rotating it clockwise. The Sensor uses Microwave sensing technology that reacts to changes in movements within the coverage area. Once no moments are detected, the sensor will help to first dim the lights after a time delay (selectable) and then switch off the light completely (settable). The Microwave Sensor can be controlled by a Remote (T382) and Brightness, Sensitivity, Hold Time, Day Light Sensor, Stand By Time, etc. can be adjusted with it. For the Detailed settings, please check the instruction manual of the remote.

Features

- ◆ **SAVING UP to 85% ENERGY:** The 200W UFO LED high bay light Fixture at 4000K provides 32000 Lumen output (160 lm/Watt) equivalent to 900W HID/HPS and saves up to 85% electric bill. 90° beam angle of light spreads the light out well and reduces shadowing. The smooth dimming capacity allows you to adjust the brightness over your space and save energy with the standard 1-10V dimmer.
- ◆ **High Performance:** ENER-J Pro UFO high bay light is CE, ERP and RoHS approved. Constructed of impact-resistant die-cast aluminium housing with excellent heat-dissipation, LIFUD driver provides a more efficient and faster dissipation. This protects the Sanan 2835 LED chips and driver to ensure high performance for more than 50,000 hours of continuous use.
- ◆ **WIDE APPLICATION:** Our LED high bay light features an IP65 waterproof & dustproof design for all conditions. It is designed for various applications. You can use it in the garage, warehouse, basement, high shed factory, workshop, logistics center, exhibition halls, gym, stadium, and more.
- ◆ **Power Adjustable:** Adjust the Power from the toggle switch on the lamp body. Adjust from / to 200W - 160W - 120W. No need to keep different wattage stocks and adjust the power to suit your needs. Power must be adjusted before installation.
- ◆ **CCT Adjustable:** ENER-J Pro UFO Highbay Light has three lighting colours adjusted by a toggle switch on the lamp body. 3000K (Warm White), 4000K (Natural White), 5700K (Cool White). You can choose your demanded lighting colour option before installation.
- ◆ **Easy Installation:** Our UFO Highbay light comes with 3.28 feet (1 Meter) Output cable and with a hook so that it can be installed on the ceiling with ease.
- ◆ **Plug & Play Microwave Sensor-T381 (optional):** Simply remove the PC cover in the center of the light and plug-in the Microwave sensor. Different settings to control the sensor/Lights using LUX, sensor distance, timer, etc. Add an Infrared Remote controller (T382) with 16 buttons. Pre-set settings & Timer to control the Microwave Sensor with the touch of a button. 1 remote can control multiple microwave sensors

Technical Specifications:

Model No.:	ANT-5-4T
SKU Code	T381
Power supply	12V-24V DC, >50mA
Dim control output	0-10V, max. 25mA sinking current
HF System	5.8GHz~75MHz
Transmission power	<0.2mW
Detection radius	20%/50%/75%/100%(1-8m)
Mounting height	Max 40ft.(12meters)
Time setting	10s/1min/5min/10min/15min/20min/30min/60min
Light-control	24H/10LUX/50LUX/50LUX
Temperature	-40°F - +158°F (-40°C - +70°C)
IP rating	IP65

WARNING

NOTE:

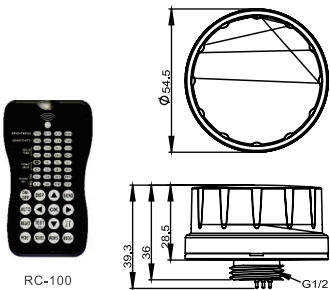
Warm up time is 15 seconds. After the sensor connects, input the power for the first time, the light will keep on 15 seconds, then will start dimming and work normally.

NOTE:

Factory Default Setting: 100% sensitivity, Hold on time: 5min, Daylight sensor is <1, Dimming level:30%, Dimming time: 60minuties.

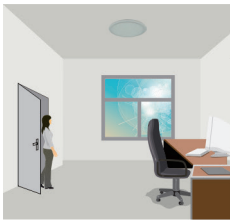
NOTE:

When any setting changed via remote control, the led light that the sensor connects to will blink on/off as confirmation of the change.



Corridor Function

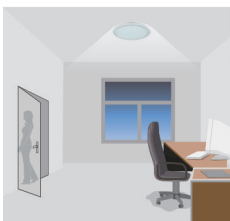
This function inside the motion sensor is to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%-->dimmed light (natural light is insufficient)--> off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable day light threshold and freedom of detection area.



With sufficient natural light, the light does not switch on when presence is detected.



With insufficient natural light, the sensor switches on the light automatically when presence is detected.



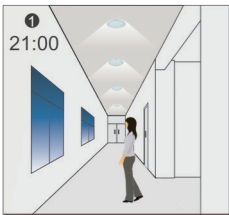
After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.



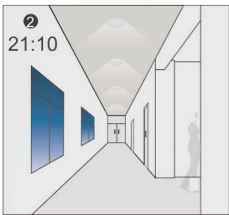
Light switches off automatically after the stand-by period elapses.

Day Light Sensor Function

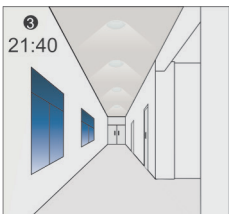
Open the daylight sensor by push @ when remote control is in setting condition.



The light switches on at 100% when there is movement detected. The light dims to stand-by level after the hold-time.



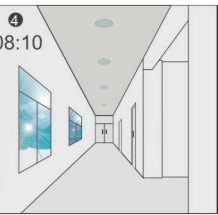
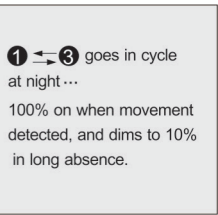
The light dims to stand-by level after the hold-time.



The light remains in dimming level at night.

Settings on this demonstration:

Hold-time: 30min Setpoint on:50lux Setpoint off:300lux
Stand-by Dim: 10%
Stand-by period: +∞
(when the smart photocell sensor opens, the stand-by time is only +∞)

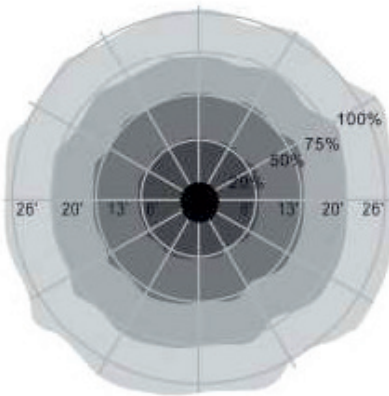
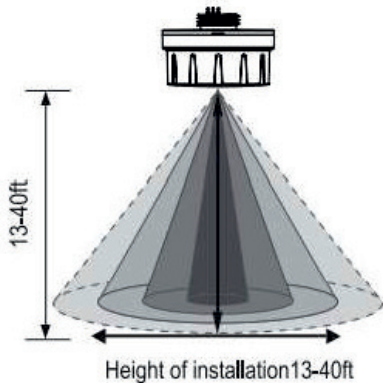


When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.



The light automatically turns on at 10% when natural light is insufficient (no motion).

Sensor Coverage



Caution

To avoid the risk of fire, electrical shock, or injury, please note the following points

1. The installation should be done by a trained Electrician.
2. The lamp contains fragile parts. Please handle it with care.
3. Please turn off the power before installation or repairs.
4. The product works with a High - Voltage AC Power supply. The product should be installed in a place where it's difficult for people to touch it when the product is lit. The Wiring core should not be exposed and should have grounding protection.
5. The temperature of the housing will rise after it is lighted. Please do not touch the housing to prevent burns.
6. Do not exceed with Voltage Range to ensure the long life of the power supply and the product.
7. This product is Waterproof and Moisture Proof but cannot be installed underwater.
8. The product has 5 years of limited warranty. Physical damage not covered by warranty. The warranty does not cover incorrect installation which includes using not included accessories. The product needs cooling time after every usage (Max 12 hours). If used for more than 12 hours, then product life will be affected, and the warranty will be void.



Simply remove the PC cover in the center of the light and plug-in the Microwave sensor. Different settings to control the sensor/Lights using LUX, sensor distance, timer, etc.

Can purchase a remote separately to control multiple sensors from one remote.

Stuck? Confused?

Contact our Technical Support team on:
T: +44 (0)1291 446 105 | E: support@ener-j.co.uk
Lines are open Mon - Fri (8am to 4pm)

Thank you for choosing ENER-J!

Customer satisfaction is our TOP priority. Please let us know how you felt about your experience.

Happy? We are so delighted that you are pleased with our product. Feel free to express your newfound joy! Share your experience by writing a review.

Not Happy? If you are not fully satisfied with the item you received, have any problems like damages or questions, please contact us. We typically respond within 24-48 hours.