

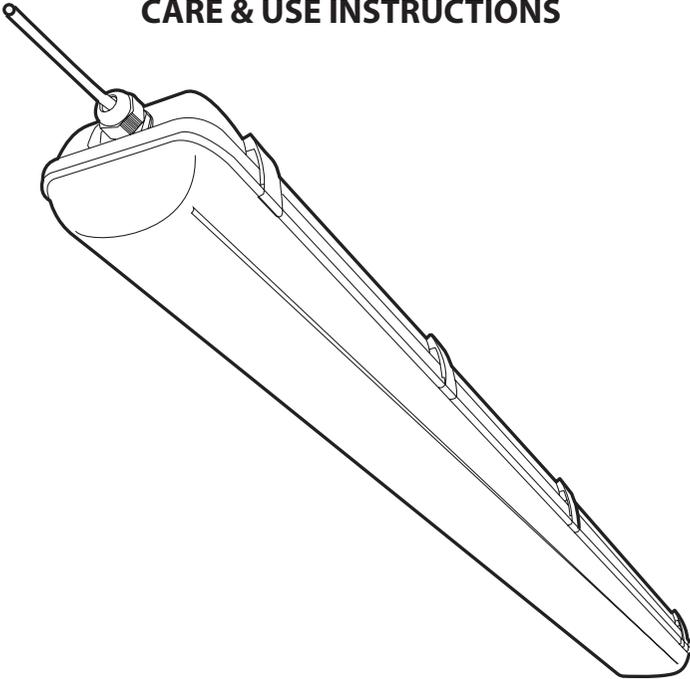
WINPLUS®

LED Utility Light™

with motion sensor

ITM. / ART. 922363
Model: LM55970

CARE & USE INSTRUCTIONS



**IMPORTANT, RETAIN FOR
FUTURE REFERENCE: READ CAREFULLY**

This product is splash-proof, suitable for use in home, office, warehouse, workshop, garage and covered damp locations (e.g. covered patios, covered porches, etc.). It is IP65 rated, which means it is protected against dust ingress and is able to withstand splashed water from any direction (does not include being fully submersed in water or deep snow). This product is ideal for lighting in damp areas, such as patio awnings and covered decks. It is also dust and wind-proof.

This light is operated by a Smart Sensor Control. It will automatically switch on when motion is detected and will turn off automatically when there is no movement in area for preset time.

Important Safety Instructions:

Please read the following safety information before use.

To reduce risk of fire, electric shock, or injury to persons:

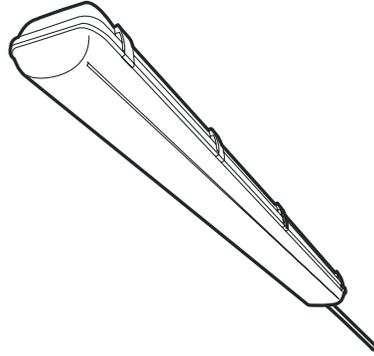
- Grounded lights must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances.
- Improperly connecting the grounding wire can result in the risk of electric shock. Do not modify the power cord plug provided with the product. Never remove the grounding prong from the plug.
- Do not use the light if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug does not fit the outlet, have a proper outlet installed by a qualified electrician.
- Disconnect the power cord plug from the power source before making any adjustment or changing accessories. Do not attempt to install the product while plugged in.
- Do not abuse the power cord. Never use the power cord to carry the light or pull the plug from an outlet. Keep the power cord away from heat, oil, sharp edges, or moving parts.
- Always refer to a qualified electrician if re-wiring the power cable.
- Not for use with dimmer packs, timing devices, motion detectors, or lighting controllers other than supplied with this product.
- Unplug and allow to cool before changing the control setting.
- Store the product out of reach of children.
- Only use product in its intended location.
- Some metal parts in the product may have sharp edges. To prevent cuts, wear gloves when handling these parts.
- Consult a qualified electrician to ensure correct branch circuit conductor.

Warning:

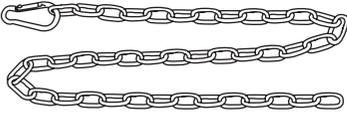
- LED light output is strong enough to injure human eyes. Precautions must be taken to prevent looking directly at the LEDs without installing the diffuser (cover) for more than a few seconds.
- If the lighting fixture is damaged, it shall be exclusively replaced by the manufacturer or the service agent or qualified person in order to avoid a hazard.
- The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Package Contains:

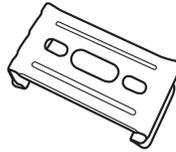
Please lay out all parts and read the instructions prior to installation.



1 x LED Utility Light with 5 m / 16.4 ft power cable



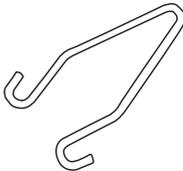
2 x 30 cm / 12 in mounting chains



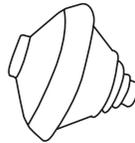
2 x Mounting brackets



1 x Measuring template



2 x Hanging hooks



1 x Cable bushing



1 x Plastic cap



2 x Plastic anchors



2 x Drywall screws



2 x Wood screws

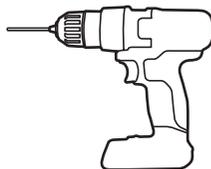


2 x Washers

Tools Needed (not included)



Phillips head screwdriver



Drill, and 2 mm / 5/64 inch drill bit



Safety glasses



Screw hooks

Product Specifications:

1. Operating Voltage: 230 V - 240 V ~, 50 Hz
2. Wattage: 48 W / Stand-by mode: 1 W MAX
3. Light Output: 3800 lm
4. Colour Temperature: 4000K
5. LED Life Cycles: up to 50,000 hrs
6. Dimensions: 116 cm / 45.6 in (L) x 12.6 cm / 4.9 in (W) x 8.5 cm / 3.3 in (H)
7. Weight: 2.4 kg / 5.2 lb
8. Waterproof rating: IP 65
9. Operating temperature: -20°C to 40°C / -4°F to 104°F
10. Frequency range: 5725 - 5875 MHz
11. Maximum radio-frequency power transmitted: <10 mW

Installation Procedures:

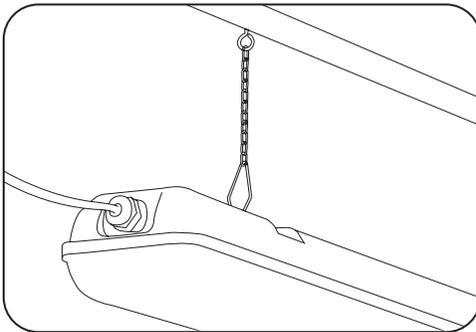
The product is intended to be connected to a plug and does not need to be switched on/off as it is controlled by the motion sensor. You do not need to disconnect from the plug except for changing the Smart Sensor Control setting. The default settings for the Smart Sensor Control can be found on page 8.

For covered patios, covered backyard, covered boat dock, etc. installation, please use flush mount only.

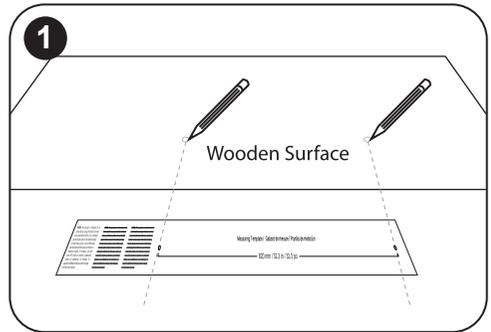
Due to the sensor's ability to detect movement through walls and doors, it is recommended to disable the motion sensor (see P.12) when installing the light in small rooms (e.g. storage closet, pantry, etc.) so movement outside these rooms cannot be picked up by the sensor. The light will operate through the Main switch in this scenario.

NOTE: The sensor can detect movement through walls and doors.

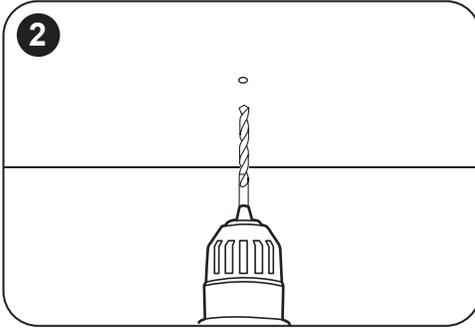
Ceiling hanging with chains:



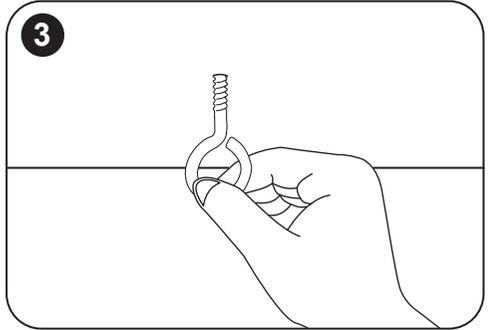
Final installed illustration



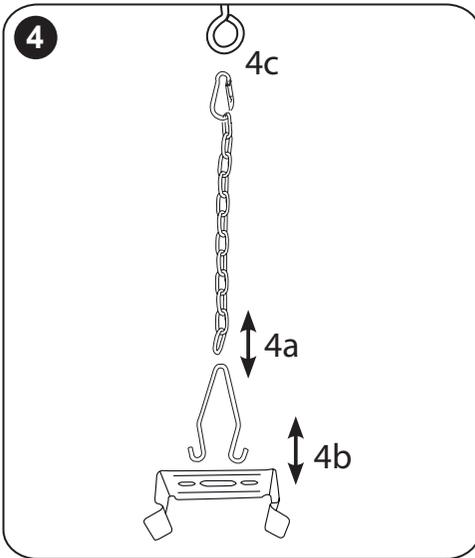
1. Select a suitable mounting location, and make sure the wooden surface is suitable for supporting the lighting fixture. Use the measuring template to mark the hook locations on the mounting surface.



2. Wear safety glasses before drilling pilot holes. Drill two 2 mm diameter pilot holes.



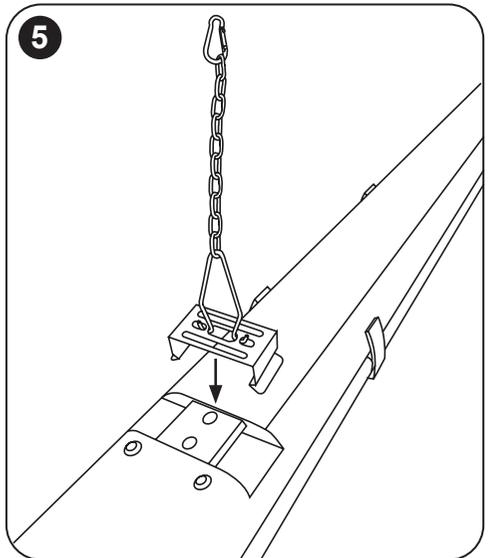
3. Screw in the screw hooks (not provided).



4a. Determine desired hanging height, slip wire hanging hook through the chain.

4b. Insert the hanging hook into the openings of the mounting bracket. Repeat for another mounting bracket.

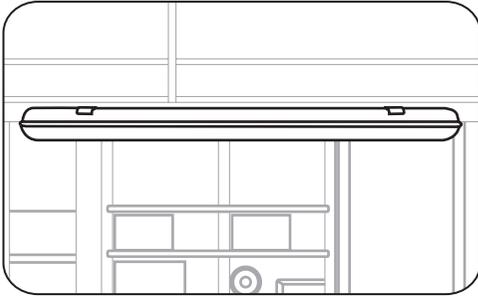
4c. Connect the chain onto the screw hook, and repeat for another chain and hook.



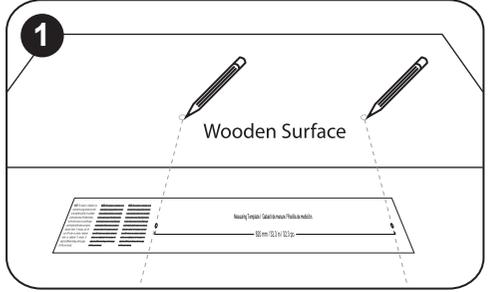
5. Clip mounting brackets onto the lighting fixture.

The lighting fixture is intended to be installed directly beneath a ceiling-mounted receptacle. The excess power cord should be kept out of the work space, such as by securing it to one of the supporting chains with a cable tie.

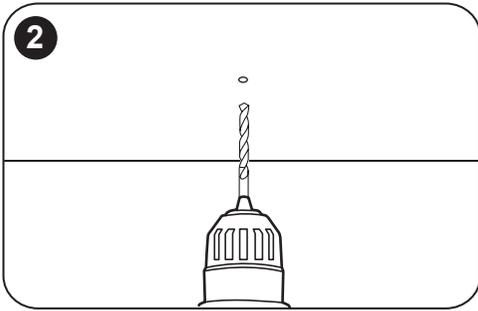
Ceiling flush mount:



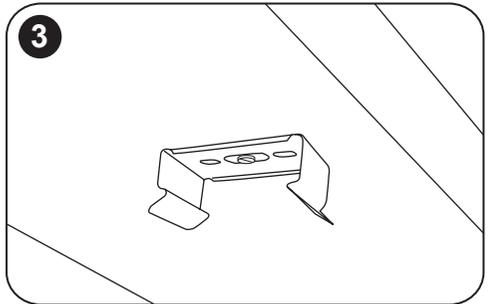
Final installed illustration



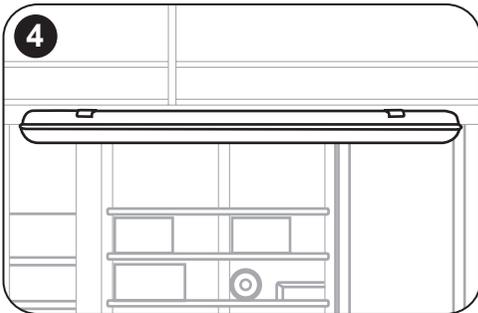
1. Select a suitable mounting location, and make sure the wooden surface is suitable for supporting the lighting fixture. Use the measuring template to mark the hook locations on the mounting surface.



2. Wear safety glasses before drilling pilot holes. Drill two 2 mm diameter pilot holes.



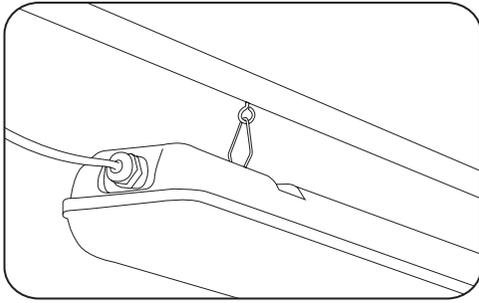
3. Screw the mounting bracket with the wood screw provided. Repeat for the second mounting bracket.



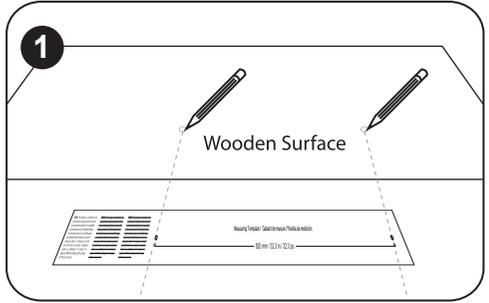
4. Clip mounting brackets onto the lighting fixture.

Note: For concrete or drywall, you may use drywall screws along with plastic anchors instead of wood screws.

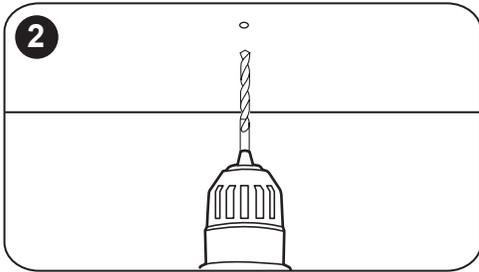
Ceiling hanging with hooks:



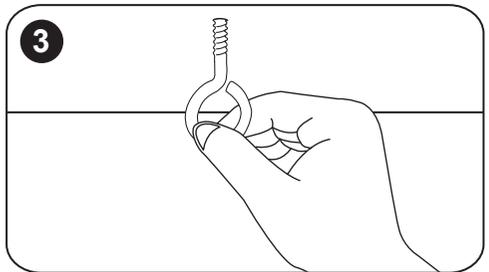
Final installed illustration



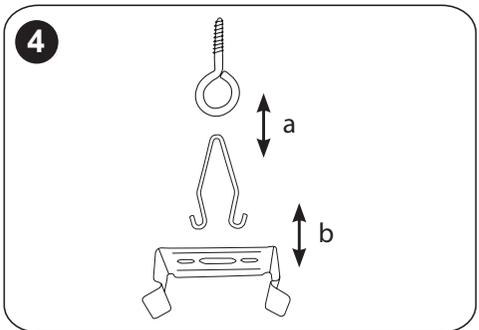
1. Select a suitable mounting location, and make sure the wooden surface is suitable for supporting the lighting fixture. Use the measuring template to mark the hook locations on the mounting surface.



2. Wear safety glasses before drilling pilot holes. Drill two 2 mm diameter pilot holes.

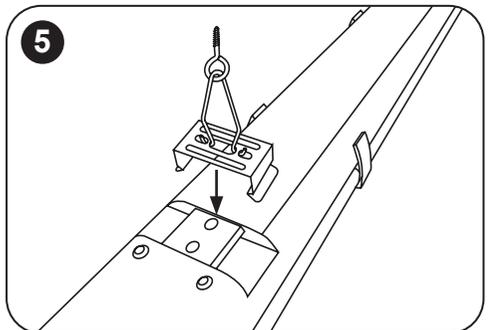


3. Screw in the screw hooks (not provided).



4a. Slip wire hanging hook into the screw hook. Repeat for the second hanging hook.

4b. Insert the hanging hook into the middle opening of the mounting bracket. Repeat for the other mounting bracket.



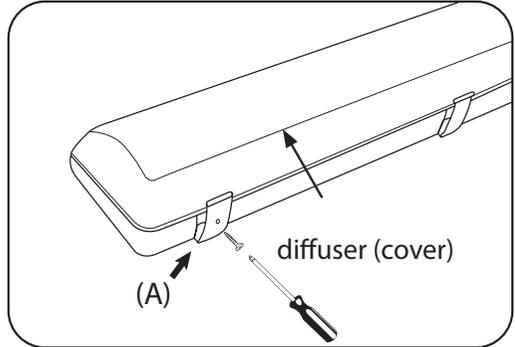
5. Clip mounting brackets onto the lighting fixture.

Smart Sensor Control Setting and Operation:

Unplug and allow the unit to cool before changing the control setting. You can use the lighting fixture in different locations by selecting the Smart Sensor control setting that is most suitable for the desired location and use. Please refer to the following instructions for choosing the Smart Sensor control setting.

CAUTION: Unplug the power cord from the electrical outlet before adjusting the Smart Sensor control setting.

After unplugging the power cord, you can release all the retaining clips (A) and the four screws to remove the diffuser (cover).



Distance		Time Until Dim (No motion)		Ambient Light Sensor		Brightness		Time Until Off (No motion)	
1	2	3	4	5	6	7	8	9	10
Very Near		30 Sec		Off		100%		30 Sec	

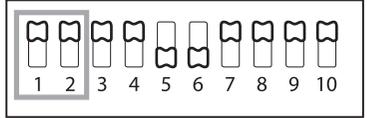
Smart Sensor Control Default Setting

Distance		Time Until Dim (No motion)		Ambient Light Sensor		Brightness		Time Until Off (No motion)	
1	2	3	4	5	6	7	8	9	10
Very near		Off		Off		25%		Off	
Near		30 Sec		Overcast		50%		30 Sec	
Mid-range		10 Min		Dusk		75%		10 Min	
Far		30 Min		Night		100%		30 Min	

Smart Sensor Control Settings

NOTE: Total duration the light is on for includes Time Until Dim plus Time Until Off

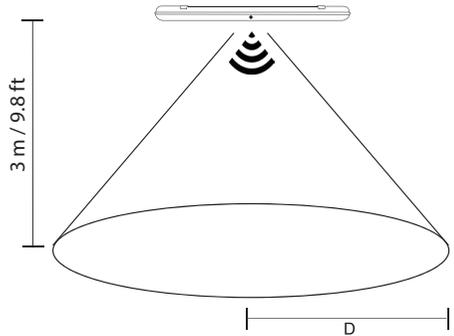
Definition of each Smart Sensor Control Setting:



Switches 1 & 2: Sensor Detection Distance

Sensor Detection Distance is the detection area of the smart sensor. You can choose from various settings: Very near, Near, Mid-range and Far. The sensing distance would be ranged from around 1 m / 3.2 ft to 12 m / 39.3 ft. You may refer to the table below for the maximum sensing distance for the light installed at a height of 3 m / 9.8 ft.

Setting	Maximum Sensing Distance (D)
Very near	1 m / 3.2 ft - 3 m / 9.8 ft
Near	3 m / 9.8 ft - 5 m / 16.4 ft
Mid-range	5 m / 16.4 ft - 8 m / 26.2 ft
Far	8 m / 26.2 ft - 12 m / 39.3 ft



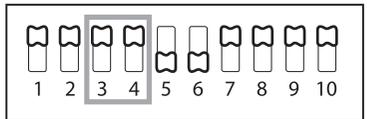
Any movement inside the detection zone will be detected by the motion sensor.

Actual sensing distance may be influenced by environmental conditions.

For example, the sensing distance decreases in an open area free of objects. The distance increases in an area with lots of metallic objects.

NOTE: The detection distance is measured for a person approximately 1.7 m / 5.5 ft tall, moving at a speed of 1.0 - 1.5 m / sec / 3.2 - 4.9 ft / sec.

You may select 'Very near' or 'Near' for a small area, and select 'Mid-range' and 'Far' for a larger area.



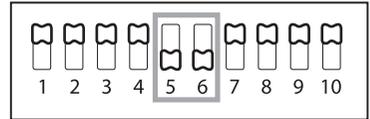
Switches 3 & 4: Time Until Dim (no motion)

Time Until Dim (No motion) is the time to dim the lighting fixture when no movement is detected. You can choose from Off, 30 seconds, 10 minutes, or 30 minutes. The lighting fixture will be dimmed if there is no movement detected by the sensor. Any movement detected within this period will restart the timer.

The lighting fixture will be dimmed to 50% of preset brightness level setting. For example, if you select brightness level to 75%, then the lighting fixture will be dimmed to 37.5% of full brightness.

Refer to switches 7 & 8 setting for brightness level setting.

Switches 5 & 6: Ambient Light Sensor

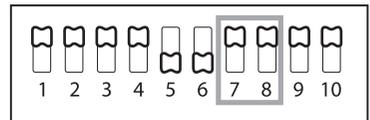


Ambient Light Sensor refers to the surrounding light level to keep lighting fixture OFF during the day time regardless of any movement. You can choose from Off, Overcast, Dusk and Night. For example, if you set to Overcast, when the surrounding is bright enough, such as a sunny day, the lighting fixture will stay OFF even if motion has been detected. When the surrounding area is less bright than overcast and there is motion detected by the sensor, the lighting fixture will turn ON. In 'Night' mode, the light will turn ON only when the surrounding is dark and there is motion detected by the sensor.

The "OFF" mode is for usage where you want to disable the light sensor function, i.e. the lighting fixture is controlled by motion sensor only. This mode would be suitable for using in a parking lot, which you may want to keep the light always ON regardless of ambient light.

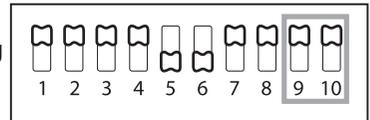
Note: Light sensor function will be disabled when Time Until Off (No motion) (Switches 9 & 10) is set to OFF

Switches 7 & 8: Brightness Level %



Brightness level refers to the brightness of the lighting fixture. You can choose the brightness level from 25%, 50%, 75% and 100% from full brightness.

Switches 9 & 10: Time Until Off (No motion)



Time Until Off (No motion) is the time for the lighting fixture to turn OFF completely when there is no motion detected. You can choose from Off Mode, 30 seconds, 10 minutes, or 30 minutes. The light will be turned OFF when there is no motion detected within the preset time. Any movement detected within this period will restart the timer and the light will be turned on again.

If you have selected Time Dim function ON, the timer will start counting the Time Until Dim function (S3 & S4) and then the Time Until Off (S9 & S10). E.g. for S3 & S4 as 30 sec and S9 & S10 as 30 sec: the light will be dimmed down when no motion has been detected for 30 seconds and the light will be turned OFF when no motion is detected within 30 seconds after. Any movement detected within this period will restart the timer, and the light will turn on again.

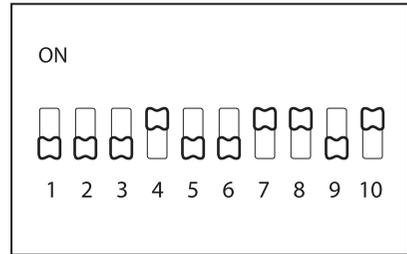
You can select "OFF" if you want to have the lighting fixture turned ON at all times. By selecting this mode, the Ambient Light Sensor function will be disabled.

After choosing the desired Smart Sensor control setting, please put back the diffuser (cover) properly by closing all of the retaining clips and screws, to ensure the product remains splash-proof and dustproof.

Some Recommended Settings:

Garage:

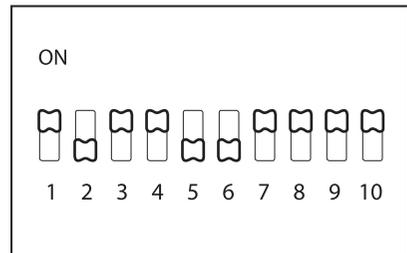
- 1 & 2 Distance: Very near
- 3 & 4 Time Until Dim: 30 sec
- 5 & 6 Ambient Light Sensor: Off
- 7 & 8 Brightness Level: 100%
- 9 & 10 Time Until Off: 30 sec



The motion sensor covers a small area and the light will dim down when there is no movement detected within 30 seconds, and the light will completely turn off when no movement is detected within 30 seconds after.

Warehouse / Workshop:

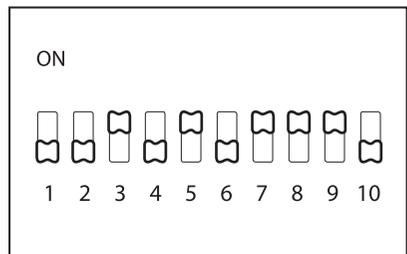
- 1 & 2 Distance: Mid-range
- 3 & 4 Time Until Dim: 30 min
- 5 & 6 Ambient Light Sensor: Off
- 7 & 8 Brightness Level: 100%
- 9 & 10 Time Until Off: 30 min



The motion sensor covers a large area and the light will dim down when there is no movement detected within 30 minutes, and the light will completely turn off when no movement is detected within 30 minutes after.

Covered Patio / Backyard: (light stays off during day time)

- 1 & 2 Distance: Very near
- 3 & 4 Time Until Dim: 10 min
- 5 & 6 Ambient Light Sensor: Dusk
- 7 & 8 Brightness Level: 100%
- 9 & 10 Time Until Off: 10 min

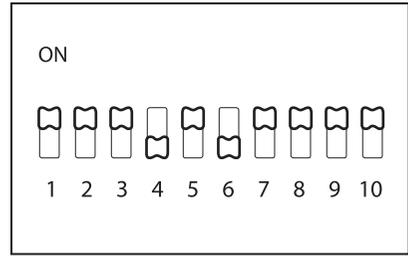


You can choose this setting to have the light turned off during day time. During day time with a good amount of ambient light, the lighting fixture will not turn ON even if movement is detected by the smart sensor. During the evening or at night, when the surroundings are dark enough, the lighting fixture will turn ON when there is movement detected.

The light will dim down when there is no movement detected within 10 minutes, and the light will turn OFF completely when no movement is detected within 10 minutes after.

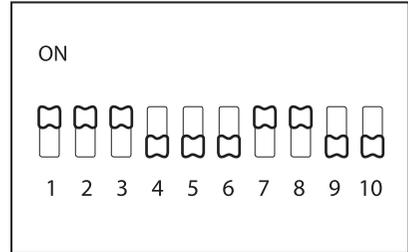
Covered Boat Dock:

- 1 & 2 Distance: Far
- 3 & 4 Time Until Dim: 10 min
- 5 & 6 Ambient Light Sensor: Dusk
- 7 & 8 Brightness Level: 100%
- 9 & 10 Time Until Off: 30 min



Indoor Parking Lots / Always On:

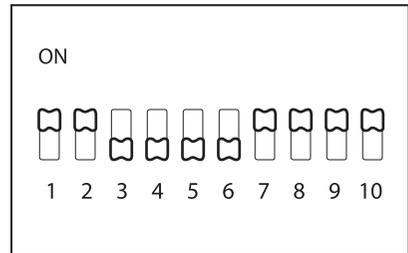
- 1 & 2 Distance: Far
- 3 & 4 Time Until Dim: 10 min
- 5 & 6 Ambient Light Sensor: Off
- 7 & 8 Brightness Level: 100%
- 9 & 10 Time Until Off: Off



By selecting this mode, the light will be ON all the time. When there is no movement within 10 min, the light will dim down. The light will return to full brightness when there is movement detected.

Office:

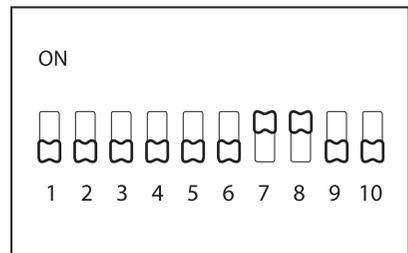
- 1 & 2 Distance: Far
- 3 & 4 Time Until Dim: Off
- 5 & 6 Ambient Light Sensor: Off
- 7 & 8 Brightness Level: 100%
- 9 & 10 Time Until Off: 30 min



The light will be completely off when there is no movement detected within 30 minutes

Disable Motion / Light Sensor:

- 1 & 2 Distance: Very near
- 3 & 4 Time Until Dim: Off
- 5 & 6 Ambient Light Sensor: Off
- 7 & 8 Brightness Level: 100%
- 9 & 10 Time Until Off: Off



You can choose this setting to simulate ordinary light and manually operate through the wall On/Off switch.

Other Accessories:

The lighting fixture is provided with a plastic cap and a cable bushing. Always refer to a qualified electrician if re-wiring of the power cable is required. After re-wiring, the plastic cap is used for covering the original opening for the power cable, and the cable bushing is used for output of the power cable / hardwire.

Troubleshooting:

Issue	Cause	Remedy
The light is not working	The light is not plugged in or the Main switch is OFF	Plug in and turn on the Main switch
	The ambient light sensor is ON and it switches OFF the light while the ambient is bright	Change the Switches 5 & 6 to OFF, or other appropriate settings
The light is always ON	Continuous movement in the detection zone	Change Switches 1 & 2 settings to shorter distance, such as Very Near
	Motion sensor has been switched OFF	Change Switches 9 and 10 to other appropriate settings
	The total time the light stays on for is Time Until Dim plus Time Until Off	Adjust Switch 3 & 4, and Switch 9 & 10 settings to shorter durations
The light is ON without any identifiable movement	Movement occurred (movement behind wall, movement of a small object in immediate lamp vicinity, etc.)	Change Switches 1 & 2 settings to shorter distance, such as Very Near
The light is not ON despite movement	Rapid movements are being suppressed to minimise malfunctioning of light or the detection zone you have set is too small	Check Switches 1 & 2 settings
	The ambient light sensor is ON and it switches OFF the light while the ambient is bright	Change the Switches 5 & 6 to OFF, or other appropriate settings

Maintenance:

CLEANING INSTRUCTIONS: When cleaning, make sure you have unplugged the lighting fixture and allow it to cool to room temperature. Do not open the retaining clips when cleaning. The lighting fixture can be cleaned with a feather duster or a soft damp cloth. You should only plug in the lighting fixture after it has dried completely.

WARRANTY:

WINPLUS EUROPE

Limited Warranty

Winplus warrants, to the original purchaser, that its products are free from defects in material and workmanship for 12 months from the date of original purchase. Where permitted by law, Winplus liability shall be limited to that set forth in this limited express warranty. This limited express warranty shall be the exclusive remedy of the purchaser and Winplus makes no other warranty of any kind aside from the limited express warranty stated above.

OWNER'S RESPONSIBILITIES:

In order to provide you with the proper warranty service, we request that you adhere to the following procedure:

1. Include a copy of your sales receipt with your unit when it is returned for warranty service.
2. If it is necessary to return your product for service, please return it securely packed, preferably in the original shipping box, and freight and insurance prepaid to the following address:

**Winplus Europe Limited
The Officers' Mess Business Centre,
Royston Road, Duxford, Cambridgeshire, CB22 4QH, UK**

3. Please include a detailed explanation of the problem you are having.
4. If your product is found by Winplus to have a defect in material or workmanship, within the warranty period, it will be repaired or replaced at no charge and returned to you prepaid.

Winplus makes no other warranty of any kind aside from the limited express warranty stated herein.

DECLARATION OF CONFORMITY:

Declarations of Conformity for this product may be downloaded from our website, www.winplus-europe.com



This device should be disposed through your local electronic product recycling system – do not throw in trash bin.

WINPLUS®

EUROPE	The Officers' Mess Business Centre, Royston Road, Duxford, Cambridgeshire, CB22 4QH, UK	Tel: 44-1223-919711
NORTH AMERICA	820 South Wanamaker Avenue, Ontario, CA 91761	Tel: 866-294-9244 Fax: 310-496-2740
AUSTRALIA	6 Prospect Place, Boronia Victoria, Australia, 3155	Tel: 61-3-8727-7600 Fax: 61-3-9720-4165
ASIA	Suites 6-11, 7th Floor, Corporation Park, 11 On Lai Street, Shatin, N.T., Hong Kong	Tel: 852-2798-8932 Fax: 852-2795-0241

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