



BY **/// MARTEC**

Hilux

Instruction Manual



**18W SLIMLINE CEILING LIGHT TRICOLOUR
WITH MICROWAVE SENSOR**

Model No.: TLHO34518WDS

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18W SLIMLINE CEILING LIGHT TRICOLOUR WITH MICROWAVE SENSOR

IMPORTANT PRODUCT INFORMATION

The product is guaranteed to be free from defects in workmanship and parts for a period of 2 years from the date of purchase. Defects that occur within this warranty period, under normal use and care, will be replaced at our discretion. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Competition and Consumer Act 2010 and similar state and territory laws.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.



YEAR REPLACEMENT WARRANTY

General Information

Congratulations on choosing to buy a Martec product.

All products brought to you by Martec are manufactured to the highest standards of performance and safety, and, as part of our philosophy of customer service and satisfaction, are backed by our warranty.

We hope you will enjoy using your purchase for many years to come.

THIS LED CEILING LIGHT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN, AND AN ELECTRICAL SAFETY CERTIFICATE MUST BE ISSUED ON COMPLETION OF THE INSTALLATION.

General Information and Safety Instructions

Before first using your new ceiling light with sensor, it is most important that you read and follow these instructions, even if you feel you are quite familiar with this product. Keep this document in a safe place for future reference.

This appliance **MUST** be installed by a Qualified Electrical Contractor in accordance with the local regulations, and all local, state and national electrical codes. Any alterations or additions to building wiring must be completed by a licensed electrician, or person authorised by legislation to work on the fixed wiring of any electrical installation.

All electrical work must only be undertaken after disconnection of the power by removing fuses or turning off the circuit breaker, to ensure all pole isolation of the electrical supply.

This is not a DIY product.

This is an outdoor domestic product and should not be used for commercial, trade or industrial purposes.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Application

This product is intended for indoor and outdoor use on ceiling or wall mount to an area to be lit.

Important Note

The important safeguards and instructions given in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution and care are factors which cannot be built into any product. The persons caring for and using the unit must supply these factors.

Compliance

AS/NZS 60598.2.1:2014 & AS/NZS 60598.1:2013 Luminaires – Particular requirements – Fixed general purpose luminaires.


AS/NZS 61347.2.1:2003 Lamp control gear - Particular requirements for miscellaneous electronic circuits used with luminaires.

IEC 82079-1 : 2012 Standards. Preparation of instructions for use – Structuring content and presentation - part1: general principles and detailed requirements.

AS/NZS CISPR 15: 2011 Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.

AS/NZS 62560:2014 Self-ballasted LED-lamps for general lighting services by voltage > 50 V – Safety specification.

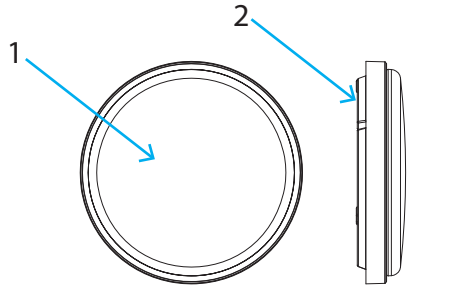
Warnings

- Always refer to the installation manual for the orientation of the product.
- It is recommended to have a regular schedule of care and maintenance to keep the surface condition well.
- Ensure wire connections are firm.
- This is an outdoor domestic product and should not be used for commercial, trade or industrial purposes.
- Always avoid the product to be located at corrosive environment.
- To avoid false activation, the sensor should be directed away from heat sources such as barbecues, flue vents, air-conditioners, another light fittings, moving objects, cars, etc.
- Keep it away from strong electromagnetic fields.
- Do not install on surfaces which can move or vibrate.
- Do not face it towards reflective surfaces such as glossy tiles, smooth white walls, swimming pools, etc.
- IP44 is guaranteed when the product is properly installed and sealed.
- Do not immerse any part of the fitting into water or any liquid.
- Do not look directly into the LED light.
- Do not attempt to perform modification or change parts within the light fixture.
- Dispose of packaging thoughtfully.
- Caution, risk of electric shock 
The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person

Parts List & Specifications

Parts List

1. Lamp cover
2. Light body
3. Microwave sensor setting knobs
4. Wall mount screws
5. Sealing ring
6. Insulation tube



Specifications

Model No.: TLHO34518WDS

Material: PP

Dimension: Ø350x70mm

Voltage: 220-240V~, 50/60Hz

LED: 24x0.75W Osram LED; 3000K

24x0.75W Osram LED; 5000K

Lumen:

5000K-1200lm

4000K-1200lm

3000K-1100lm

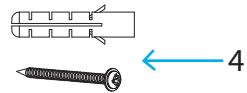
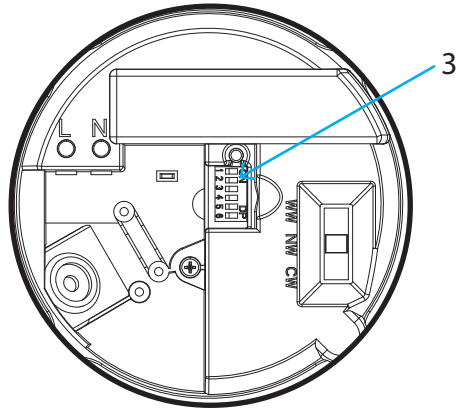
With non-isolated driver; with CCT switch

With Microwave sensor:

Detection area approx. 360°; radius 5m; Duration time 5s to 20min adjustable;

Lux control level: from day to night adjustable

IP44

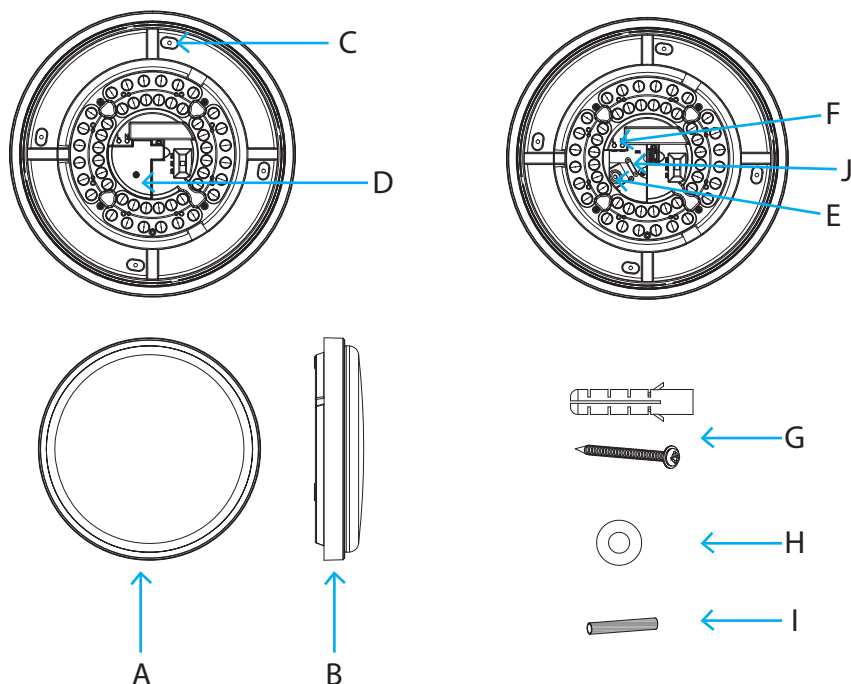


Product Installation

NOTE: This product must be installed by a licensed electrician.

NOTE: For best performance install at a height between 2 and 2.5 metres.

1. Ensure the Mains Supply is switched 'OFF'.
2. Unpack the fixture carefully and dispose of the packaging material thoughtfully. The fitting must be wired to its own wall switch.
3. Remove the light cover 'A' from light body 'B' by rotating the light cover 'A' counterclockwise.
4. Drill four holes in the wall or ceiling using the mounting holes 'C' on the light body 'B' as a template.
Note: exercise caution to avoid drilling into existing electrical wiring.
5. Feed mains supply cable through the wall and weatherproof holes as appropriate. Unscrew the junction box 'D', and cable clip 'J', then pass the mains supply cable through the rubber grommet 'E'.
6. Use screws and suitable fixture system 'G' and sealing ring 'H' to secure the mounting plate 'A' to the wall securely.
7. Pass the mains supply cable through the insulation tube 'I' for better insulation protection. Connect the Live (L), Neutral (N), according to the markings on the terminal block 'F'.
8. Refit the junction box cover and cable clip in place. Refit the light body 'A' to the mounting plate 'B', securing it in place by rotating the light cover 'A' clockwise. Tighten them firmly to maintain IP rating.
9. Reconnect the mains supply.
10. Turn on the ceiling light.




Motion Sensor Settings

The Microwave motion sensor has six adjusting knobs:1-6

SENS (Sensitivity Adjustment)


- The sensitivity can be increased by adjusting knob 4 and 5 as below picture.



4	5	
—	—	5m
—	ON	4m
ON	—	3m
ON	ON	2m

TIME



- The time duration can be adjust by setting the knob 1-3 as below picture
- Note: Once the light is activated by the Microwave sensor, any subsequent detection will restart the time again from the beginning.
- The light will stay 'ON' until the duration of the time set by this knob has expired.



1	2	3	
ON	ON	ON	20min
ON	ON	—	15min
ON	—	ON	10min
ON	—	—	5min
—	ON	ON	1min
—	ON	—	30s
—	—	ON	10s
—	—	—	5s

LUX (Lux Control Adjustment)

- The LUX control has a built-in photocell that detects daylight and darkness .
- ☼ – Turning the knob 6 knob into this shown position means that the PIR sensor will turn the light ON at 'Daytime' (as well as at night time).
- ☾ – Turning the knob 6 knob into this shown position means that the Microwave sensor will turn the light ON only at 'Night'.
- Desired LUX level can be set by adjusting the knob 6 between tow positions.



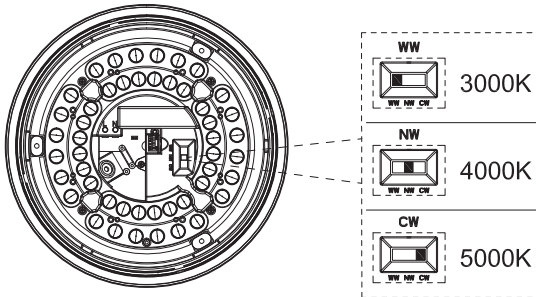
6	
—	☼☾
ON	☾

WALK THROUGH TEST

- When power is switched on to the light, the light will enter into a "WARN-UP" period for approximately 20 seconds and then automatically change into "AUTO MODE". Whilst in the AUTO MODE, you can then carry out a Walk-Test by placing the LUX control to daylight and the TIME control to 5s. Once the light receives a valid trigger signal (such as movement of a human body) within its detection area, the lamp(s) will be turned on for the pre-set period of time. You will be able to determine the detection area by walking slowly.
- After completing the walk-test, set the LUX and TIME, SENS to the desired position

Switching color temperature

- Inside the LED light body, there is CCT switch which allows you to switch the color temperature of the light among 3000K (WW), 4000K (NW), 5000K (CW).
- Each time you want to switch the color temperatures please remember to turn off the mains supply first, and then take down the light body. (Refer to installation instructions).



Cleaning and Maintenance

Ensure light is turned off and cool before cleaning.

To avoid dust build-up on the sensor for proper functioning of the fitting, please wipe the sensor lens with a soft cloth approximately every 3 months.

Do not use chemicals.

Troubleshooting

PROBLEM	POSSIBLE CAUSE	SUGGESTED SOLUTION
Light does not switch ON when movement is present in detection area.	1. NO mains power.	Check connections, fuses and switches.
	2. Nearby lighting is too bright.	Redirect sensor or relocate the unit.
	3. Controls set incorrectly.	Readjust sensor controls.
Light turns ON by itself for no apparent reason (false triggering) or light flickers.	1. Heat sources such as aircon's vents, heater flues, barbecues, other outside lighting, or moving cars are activating sensor.	Adjust direction of sensor away from these sources.
	2. Animals/birds e.g. possums or domestic animals.	Redirect sensor may help. Relocate the fitting. Adjust sensitivity to minimum.
	3. Interference from and/or switching On/Off other electronic/electrical appliances, electric fans, LED or fluorescent lights installed on the same circuit with security light. For example, faulty switch or noisy fluorescent light may cause the security light to switch ON.	<ol style="list-style-type: none"> 1. Replace faulty switch/appliance causing the interference. 2. Replace noisy fluorescent tubes and/or starters or electronic ballasts in those faulty fittings. 3. Separate the security light from the circuit in which these appliances are connected and wire it into it's own circuit.
	4. Reflection from swimming pool, or other reflective surfaces.	Redirect sensor.
Light remains ON.	1. Time is set too long.	Reduce time.
Light turns ON during daylight.	LUX control is set to daylight.	Turn the LUX control knob to desired light level setting.
When setting LUX controls in daylight the detection distance becomes shorter.	Interference by sunlight.	<ol style="list-style-type: none"> 1. Re-test at night. 2. Relocate the fitting so the sun won't shine directly into the sensor.

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Product Disposal

Please dispose of this product thoughtfully once it has passed its useful life. At the end of their working life, do not throw the appliance out with your household rubbish. Electrical and electronic products contain substances that can have a detrimental effect on the environment and human health if disposed of inappropriately. Observe any local regulations regarding the disposal of electrical consumer goods and dispose of it appropriately for recycling. Contact your local authorities for advice on recycling facilities in your area.

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(For Warranty Conditions please refer to the Martec Warranty Terms and Conditions)

MARTEC WARRANTY FORM

Customer Details

Surname..... Given Name.....

Address.....

Daytime Ph..... A/h Ph.....

Email.....

Warranty Details

Date of Purchase..... Installation Date.....

Product Description.....

Store..... P.O. No.....

Fault Description.....

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I, the Customer, hereby acknowledge that I have read and agree with the Martec Pty Ltd warranty statement and the conditions found within regarding the warranty service and its limitations.

I, the Customer, acknowledge that Martec Pty Ltd reserves the right to charge me, labour and material cost of any replacement parts or products if required, in addition to the costs associated with shipping these parts to my location should the reported fault not be an actual manufacturing fault or malfunction. This will be assessed on a case by case basis by the authorised Martec Service Agent dispatched to my premises. The current minimum charge will be \$190+GST.

I, the Customer, acknowledge that I will be liable for this charge should the authorised Martec Service Agent determine this to be the case. Failure to pay warranty recovery charges issued by Martec Pty Ltd will result in the termination of any remaining warranty, in addition to possible debt collection procedures.

I,, do hereby certify that I have read and comply with the aforementioned warranty conditions and agree to the conditions of this warranty claim.

Print Name:.....

Signature:.....

Date:.....