

# POOL LIGHT TRANSFORMER

(Suitable for LED Pool Lights)

## Owner Manual

### **WARNING**

**SAFETY INSTRUCTIONS:** - Read prior to Installing or using Waterco Pool Light Transformer for LED pool lights. This equipment must be installed and serviced by a qualified technician.

Improper installation can create electrical hazards which could result in property damage, serious injury or death. Improper installation will void the warranty.

If the electrical supply cord of this product is damaged, return to supplier for repair to avoid hazards.

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## CONGRATULATIONS

The Waterco LED Pool Light Transformers are available as a single, twin or triple connection model.

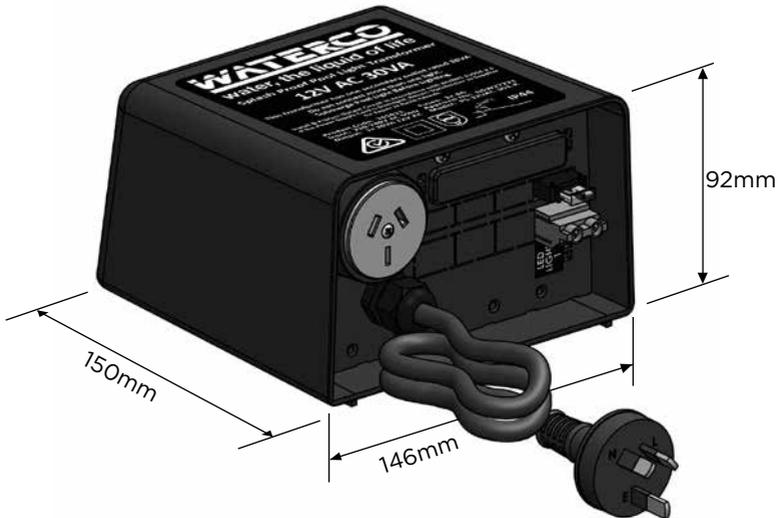
## TRANSFORMER SPECIFICATIONS & IDENTIFICATION

The Waterco LED Pool Light Transformers are designed to supply 12VAC rated voltage to LED pool lights.

Product Code	Protection Rating	Input	Maximum Output	Outlets	Amps	Secondary Fuses
265011	IP44	230-240VAC 50Hz	12VAC 30VA	x 1	10	1 x 4A
265012	IP44	230-240VAC 50Hz	12VAC 60VA	x 2	10	2 x 4A
265013	IP44	230-240VAC 50Hz	12VAC 90VA	x 3	10	3 x 4A

Overall Product Dimensions:

Model	Length	Height	Width	Weight
Single 30VA	146mm	150mm	92mm	2.5kg
Twin 60VA	146mm	150mm	92mm	2.75kg
Triple 90VA	146mm	150mm	92mm	3kg



Shown Waterco LED Pool Light Transformer with single output (Product Code: 265001).

## INSTALLATION

The Waterco LED Pool Light Transformer can be installed either indoors or outdoors. However, the Transformer must be positioned so the electrical terminal connections are facing downward to the ground to ensure maximum protection of all electrical terminal connections.

Choose a location for the Transformer to ensure the distance between the transformer and the LED pool lights being connected complies with the LED pool lights maximum power cord length.

*Note: Refer to the LED pool lights manufacturer's specifications.*

The Waterco LED Pool Light Transformer should not be mounted in areas where chemicals are stored (e.g. acid and chlorine). Also ensure that the Transformer can be connected to the mains power outlet of the pool area.

*Note: This outlet must meet the current applicable local standards at the time of installation.*

*Note: Do not use a double adaptor to connect the Waterco LED Pool Light Transformer to the mains power as this will overload the system and void warranty.*

The Waterco LED Pool Light Transformer is supplied with two (2 x) screws and wall plugs to be used to secure Transformer to a suitable flat surface.

## INSTALLATION INSTRUCTIONS

Mount the power supply using the two keyhole slots provided, at 93mm centres and at a minimum distance of 500mm above the ground.

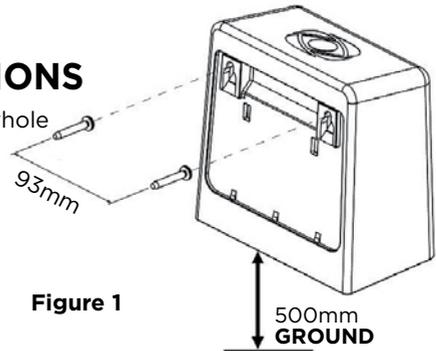


Figure 1

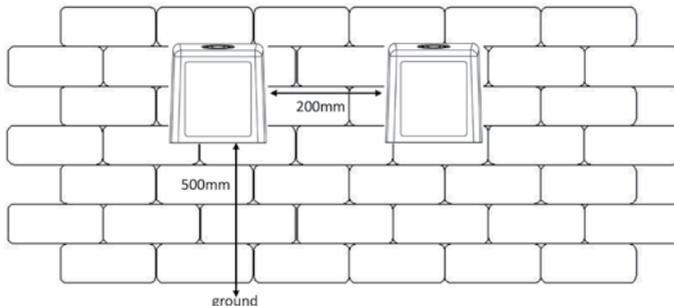
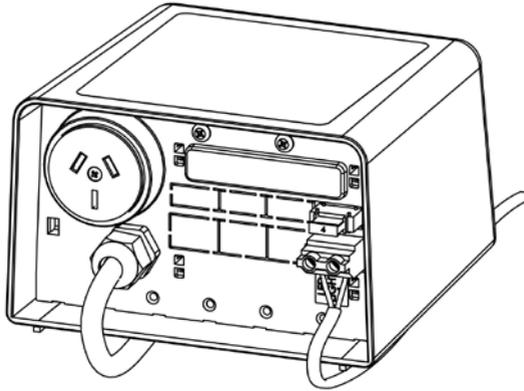


Figure 2

The LED Pool Light transformer to be mounted at minimum of 500mm above ground level. Multiple units should be mounted at minimum of 200mm from each Transformer and a minimum distance of 500mm from any other electrical equipment or device. Electrical Terminal Connections should be on underside of unit. Refer Figure 1 & 2.

Only use the mounting hole provisions as indicated Figure 1.

Connect LED Pool Lights to the output terminal as indicated in Figure 3.



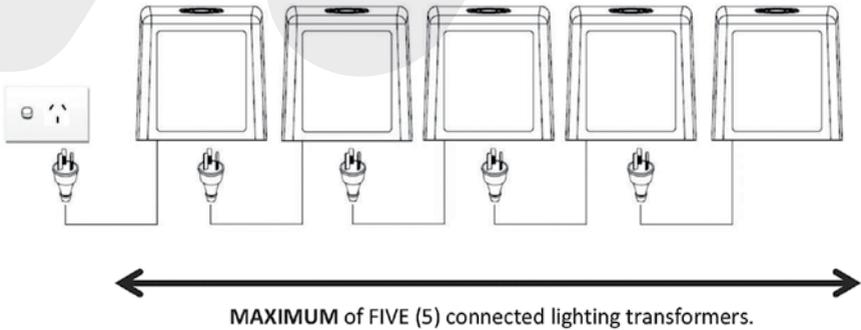
**Figure 3**

Connect LED Pool Lights power wires to electrical terminal connectors and tighten holding screws sufficiently to hold the power wires securely.

*Note: Image is of single LED pool light connection, twin & triple LED Pool Light Transformer models will have either two or three terminal connection points.*

A maximum of 5 x Waterco LED Pool Light Transformers may be connected in series (Daisy Chain) as per the following Figure 4.

*Note: This series connection can be single, twin or triple Waterco LED Pool Light Transformers.*



**Figure 4**

## GENERAL SAFETY RULES

1. The installation of the Waterco LED Pool Light Transformer should be carried out in accordance to the safety instructions of swimming pools especially Standard HD 60364-7-702:2010, Install & protection output circuit in accordance with AS/NZS61558.2.6, AS/NZS 3000:2018 or as amended and the specific instructions for each facility.
2. The rules enforced on accident prevention should be carefully followed.
3. Any modification of the Waterco LED Pool Light Transformer requires the prior consent of the manufacturer.
4. Original replacement parts and accessories authorized by the manufacturer ensure a high level of safety.
5. The manufacturer accepts no liability for the damage and injuries caused by unauthorised replacement parts and accessories.
6. During operation, some parts of the Waterco LED Pool Light Transformer are subject to dangerous electric voltage.
7. Work may only be performed on the Waterco LED Pool Light Transformer or on the equipment connected to it after disconnecting from the mains power.
8. The user should make sure that assembly and maintenance tasks are carried out by qualified authorised persons and that these persons have first carefully read the owner manual.
9. The operating safety of the Waterco LED Pool Light Transformer is only guaranteed if the owner manual instructions are correctly followed.
10. In the event of defective operation or fault, contact the manufacturer's Technical Support Department or its nearest Authorised Agent.
11. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person.
12. 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.

## WARRANTY

The Waterco LED Pool Light Transformer is covered by a 1 year warranty for domestic and commercial installations.

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