

SENTINEL LED POND LIGHT with VERSION 2 connector

SKU# 221141

Rated Voltage 12V/24V AC/DC

NOTE: This installation instruction applies to the 12V/24V side of the luminaire only.

This luminaire is rated 12V/24V and is classified as ELV (Extra Low Voltage).

This luminaire can be DIY and does not require any electrical connection or disconnection.

Do not plug this luminaire directly into 240V.

When working with 240V, a licensed electrician is required.

The assistance of a technical person with the correct tools may be required to complete the install.

The Lucci wiring kit (SKU# 220826, 220827) and Lucci transformer (SKU# 220818, 220819, 220829, 220843, 220844) & Aqualux transformer (SKU# 229422, 229423, 229424) are sold separately.

To ensure correct function and safety, please read and follow all instructions carefully before assembly, installation and use of this luminaire. Please keep instructions for future reference.

Warranty

- This luminaire is covered by a 5-years warranty valid for in-store replacement or refund only.
- The warranty period starts from the date of purchase. Please retain the proof of purchase for any warranty enquiries
- This luminaire is not suitable for use with dimmer switches. The warranty will be void if the luminaire is used on the same circuit, which has a dimmer switch.
- Warranty will be void if there is any damage due to improper usage or modification to the luminaire.
- Failure to comply with the instructions in this manual may increase the risk of damage or injury and will void the warranty.

Installation Requirements

- All wiring and installation of the luminaire must adhere to the latest local and national wiring rules. eg. AS/NZS 3000 Electrical installations. If unsure, please contact a licensed electrician.
- The luminaire must not be used if the protective shield has cracked. Replace any cracked protective shield before using the luminaire.
- Select a suitable location for installation:
 - This luminaire is protected against water penetration to IP68 standards, which is protected against the effects of continuous immersion in water, with a maximum 2-metre depth. This must be maintained during installation.
 - The luminaire is suitable to be attached to concrete, pavers, brickwork, or rocks within a pond.
 - The transformer (sold separately), wiring kit (sold separately) and connectors are rated IP65, which is protection against jet of water in every direction. They are not designed to be immersed in water and are not suitable for underground installation without protection from water or damp conditions. Ensure they are positioned in a location where the water can be easily drained away.
 - The installation location may require a gravel substrate to help with water drainage, to prevent the transformer (sold separately), wiring kit (sold separately) and connectors from being submerged in water after heavy rain or from watering the garden.
- Take care not to pull any electrical wires during unpacking as this may damage the connection.
- Lay out all the components on a smooth surface and make sure there are no components missing before assembling. If parts are missing, return the complete product to the place of purchase for inspection or replacement.
- Check whether the luminaire has been damaged during transport. Do not operate/install any product which appears damaged in any way. Return the complete product to the place of purchase for inspection, repair or replacement.
- Ensure power to the circuit you are working on has been switched OFF, before commencing any electrical work.

Installation Directions

1. Remove all packaging material from the product and be careful not to throw away accessories that may be hidden within the packaging material.
2. Ensure power to the circuit you are working on has been switched OFF, before commencing the installation. (Fig. A)
3. Measure and mark the water level of the pond. The maximum depth must not be over 2 metres. (Fig. B)
4. Use the mounting bracket as a template to mark the screw positions on the mounting surface and drill holes for the mounting screws. (Fig. C)

NOTE: If the pond is made from fibre glass, drilling into the base of the pond can cause leaks. Use a paver, brick or rock as the mounting surface. Ensure they are heavy enough to weigh down the luminaire.

5. Install the mounting bracket onto the mounting surface by using appropriately sized mounting screws and anchors. Ensure the screws and anchors are suitable for the mounting surface and the surrounding environment. (Fig. C & D)

USING LUCI WIRING KIT AND LUCI or AQUALUX TRANSFORMER (both sold separately)

Use the quick connectors to connect the luminaire to the Lucci wiring kit (SKU# 220826, 220827 – sold separately) and/or Lucci transformer (SKU# 220818, 220819, 220829, 220843, 220844 – sold separately) or Aqualux transformer (SKU# 229422, 229423, 229424 – sold separately). (Fig. D & E) Proceed to Step 7.

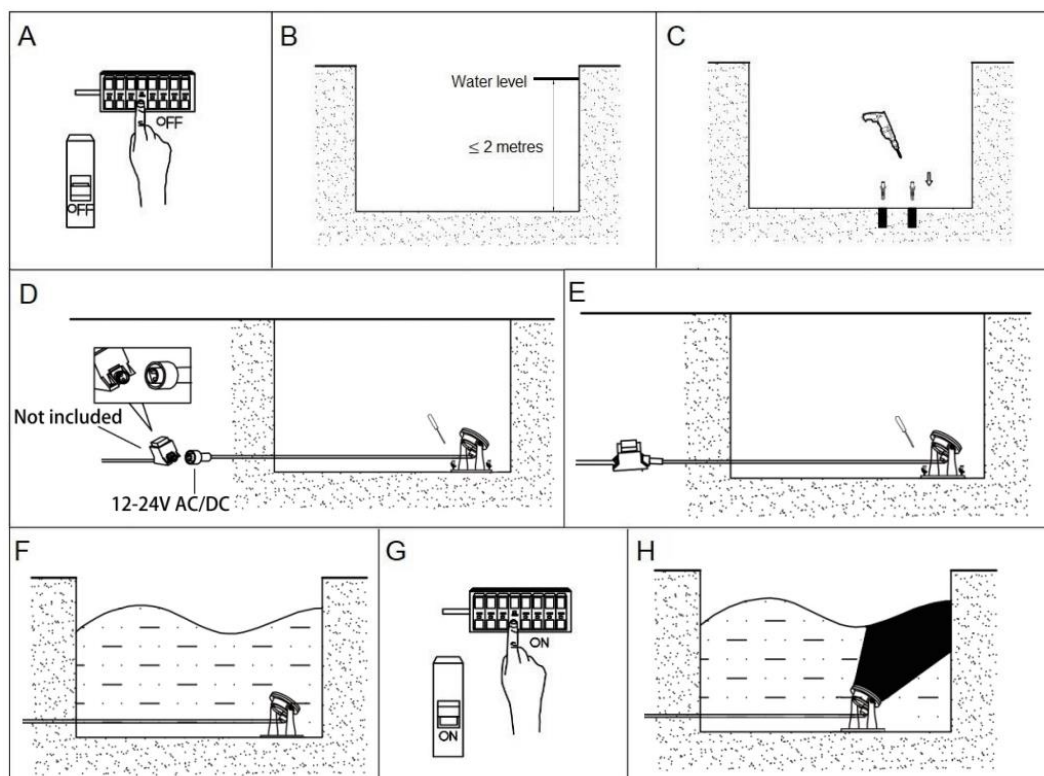
NOTE: The wiring kit is rated for a 80VA load. The Lucci transformer & Aqualux transformer which are rated

80VA, 28VA, 10VA, 150VA, 200VA / 50VA, 100VA, 200VA load respectively.

NOTE: The wiring kit, transformers and the connectors are rated IP65 and must not be immersed in water.

USING OTHER WIRING AND TRANSFORMER (not included)

6. Remove the quick connector for hard wiring or alternative wiring method and power supply system if necessary. Ensure that the wires are secure and no bare wires are exposed. Ensure all wiring and the transformer used are appropriately rated and suitable for the location used. **If unsure, please contact a licensed electrician**
7. Fill the pond with water. The water level must not be over the maximum rated depth of 2 metres. (Fig. F)
8. Turn the power on and test the luminaire is operating correctly. (Fig. G & H)



Safety Tips

- Always ensure the power is OFF and the luminaire has cooled down before performing any maintenance, cleaning or making any adjustment to the luminaire.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cable or cord is damaged, the luminaire shall be destroyed.
- The luminaire must not be used if the protective shield has been cracked. Replace any cracked protective shield before using the luminaire.
- The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced. There are no serviceable parts, do not attempt to dismantle or open the product.
- To avoid injury or damage to the luminaire, ensure that power leads and screws are secure before connecting the power.
- To clean, wipe with a damp clean cloth. Do NOT soak or immerse the luminaire in water or other liquids.
- Ensure that the luminaire does not come in contact with corrosive chemicals/solvents or abrasive cleaners etc.

Specifications

SKU #	221141
Material	Brass
Connector Type	Version 2
Rated Voltage	12V/24V AC/DC
Rated Wattage	8W
LED	600 lumens, 3000K, CRI>80, Non-dimmable
IP Rating	IP68 (luminaire only) IP65 (quick connectors)
Rated Depth	2m Max.
Cable Length	6m cable
Weight	0.86kg
Dimensions	H:100mm W:95mm L:95mm