



Ambilight

Multicoloured retro fitting swimming pool light

 **just light**[®]

INTRODUCTION:

Congratulations on purchasing our **Ambilight** Swimming Pool Light. Each product has been manufactured and assembled to the highest quality standard to ensure safety, reliability and ease of installation and operation. Before use, please read these instructions carefully, and keep them for future reference.

CAUTION: Read the contents of this insert thoroughly before operating the product.

IMPORTANT SAFETY INSTRUCTIONS:

When using your Ambilight, basic precautions should always be followed, including the following:

- Only utilize the product in accordance with the manufacturers' instructions.
- Improper installation of unit will void manufacturers' warranty.
- Ensure that input power utilized corresponds with that on the product label.
- All electrical products must be earthed in accordance with the local electrical authorities' specifications.
- Never install or operate the product if the unit has been damaged in any way.
- Never attempt to open or dismantle the product in any way, this will void manufacturers' warranty.
- These products are intended for domestic use only. Industrial or commercial use will invalidate the manufacturers' warranty.
- Ensure products are adequately protected against environmental conditions, such as highly corrosive environments, chemicals, etc.
- Every product been assembled to ensure water ingress integrity. Although all efforts have been taken to ensure waterproof integrity, these products may experience problems if mishandled during installation.
- The cables should not be extended or shortened unless the manufacturer or representative has been consulted. This may impact on products operational efficiencies and void manufacturers' warranty.
- Installers of products must be vigilant of accessibility by children or unsupervised personnel.
- Ensure that all electrical connections are inspected by a qualified electrician.
- The manufacturer does not take responsibility for any consequential liability or losses whatsoever.

PARTS DESCRIPTION:

Ensure all items are provided with the product at time of installation. See Assembly Drawing on Page 6 of 7



INSTALLATION INSTRUCTIONS:

A) REPLACEMENT OF EXISTING 12V AC POOL LIGHT FITTING. (NO POWER PACK).

1. *Pre-Installation inspection.*
 - 1.1. Ensure that the existing system is fitted with a 220V/12V AC transformer power supply.
 - 1.2. Ensure that the power to the existing lamp fitting is switched OFF.
 - 1.3. Ensure that cabling too existing lamp fitting, is not damaged in any way.
2. *Removal of the old lamp fitting*
 - 2.1. The existing lamp fitting (Incandescent lamp/Headlamp) should be removed from the pool light niche. Ensure that this is done carefully without damage to any plastic fittings securing the lamp.
 - 2.2. Remove from the water and place on the side of the pool, preferably on a towel or blanket, this avoids excess water and any potential damage to the lamp (old and new).
 - 2.3. Remove the securing spring-steel retaining clip holding the lamp in place and gently remove the old lamp from the plastic recess.
 - 2.4. Loosen the cable gland at the rear of the lamp where the cable enters the back of the lamp housing.
 - 2.5. Remove the electrical terminals from the rear of the existing lamp. These are not polarity sensitive; however it is recommended that the wiring colour scheme should be maintained when reconnecting.
 - 2.6. Cut off any old brass terminal, if fitted.
 - 2.7. Pull the cable out of the existing cable gland and remove the old lamp.
 - 2.8. Cut back the insulation (outer sheath) on cable, approximately 100mm (10cm), to expose the insulated wires, take care not to cut through the insulation of the wires as this may cause problems later.
 - 2.9. Strip the insulation back off the individual wires, leaving approximately 5 – 7mm of exposed clean copper wire. Twist the copper strands of each individual wire into a single ream, ensuring the copper strands of the wire stay together.
3. *Installing the new Ambilight*
 - 3.1. Remove the new Ambilight from its packaging. Be sure to protect the Ambilights' acrylic lens from any scratching.
 - 3.2. Place the Ambilight into the plastic recess where the old lamp was removed from.
 - 3.3. Ensure that the Ambilight fits into this recess snugly. If the Ambilight is too small for the plastic recess, remove and place the Adaptor Ring (provided), into the plastic recess and place the Ambilight into the recess once again. The fitment should now be perfect.
 - 3.4. Before replacing the spring-steel retaining clip, the newly made-off power cable needs to be fitted.
4. *Fitting of the Rear Bezel, Securing Ring and Cable Gland.*
 - 4.1. Loosen the threaded Cable Gland nut and remove the Rubber grommet contained inside. (2 sizes provided for various size cables used. Blue & Black). Ensure the grommet you use fits tightly over the Outer sheath of the power cable (2.8 & 2.9 above) before insertion into the body of the Cable Compression Gland.
 - 4.2. Take the removed section and feed the power cable through the Retaining Ring, Cable Compression Gland Nut and the Rubber Grommet. Ensure there is sufficient wire protruding to secure to the wires to the Cable Connector Block contained in the rear of the Ambilight.
 - 4.3. Replace the Cable Compression Gland Nut and grommet onto the back of the Bezel. Do not tighten completely as you may need to push or pull the cable to allow for play or take up any slack. (Don't forget this!)

- 4.4. Utilising a small flat screwdriver, loosen the Cable Connector Block screws, sufficiently to accommodate the newly made-off wires.
- 4.5. Insert the wires into the respective holes of the connector block.
- 4.6. Tighten the screws sufficiently to ensure a good electrical connect between wire and Connector Block.
- 4.7. Ensure no bare wires are protruding from the connector block recesses. If so redo the connections.
 - 4.7.1. Before replacing the Bezel and Retaining Ring, ensure that the Black rubber “O” Ring located at the rear of the Ambilight main body is seated in the recess provided. This is important as it ensures the waterproofing of the Ambilight.
- 4.8. Place the Bezel, Retaining Ring onto the Ambilight main body on top of the Rubber “O” Ring.
- 4.9. If there is insufficient, or excess, power cable protruding from the Bezel, slightly, pull, or push, the cable to compensate, ensure not to stress the wire connections by pulling to hard.
- 4.10. Tighten the Cable Compression Gland Nut ensure to tighten the nut sufficiently to avoid any water ingress once in the pool.
5. *Secure the Retaining Ring, with Bezel, onto the main body of the Ambilight.*
 - 5.1. Apply sufficient pressure on the Retaining Ring ensuring there is no movement of the Bezel. NB. Do not over-tighten as the plastic threads on the Retaining Ring will become damaged.
 - 5.2. Securing the Ambilight into the Plastic recess.
 - 5.3. Place the Ambilight into the plastic recess of the light fitting (with Adaptor Ring if required).
 - 5.4. Replace the spring-steel retaining clip and secure, under tension, onto the rear of the Ambilight. There are 2 anchor points for the retaining clip, ensure that the retaining clip provides sufficient tension to ensure that the Ambilight does not move around in the plastic recess of the light housing.
6. *Testing Ambilight before reinsertion into the pool.*
 - 6.1. Switch the power supply on at the distribution board feeding the pool light.
 - 6.2. Observe that the light is operational. Do not look directly into the Ambilight as the light emitted from this product may potentially impair vision.
 - 6.2.1. If the Ambilight is not operational - return to Step 3.4
 - 6.2.2. If the Ambilight is operational you are now ready for reinsertion into the pool
 - 6.3. Switch OFF the power feed to the Ambilight.
7. *Reinsertion into Pool Light Niche.*
 - 7.1. Coil excess power cable behind Ambilight before insertion into Niche.
 - 7.2. Reinsert the plastic fitting containing the Ambilight into the Niche.
 - 7.3. Ensure that the plastic fitting is flush with the wall of the pool.
8. *Final test for the Ambilight*
 - 8.1. Switch the power source back ON and observe operation.

Congratulations you're now the proud owner of a BRILLIANT AMBILIGHT!

B) NEW POOL INSTALLATION - WITH POWER PACK.

1. *JustLight Power Pack*
 - 1.1. Power Pack is an electrical product, which must be treated like any other electrical product/appliance and must be mounted above ground level under some form of element protection.
 - 1.2. A universal mounting bracket has been supplied; however, due to the many varied situations we cannot supply all means of mounting supports.
 - 1.3. The Power Pack must be located so that the cable is not too far from the Ambilight product. Excessive lengths result in diminished light intensity due to voltage drop over longer distances (> 10 metres)
 - 1.4. Mount the Power Pack so that it will be accessible and visible for easy maintenance and in the vertical position. Should it be necessary to mount the Power Pack outside

the Pump/filter box, then, it must be protected from the elements especially rain and the garden irrigation systems. Your warranty will lapse in the event of water damage to the Power Pack.

- 1.5. The Power Pack generates a degree heat and must be afforded the opportunity to self ventilate. The underside of the unit is well ventilated and must not be obstructed in any way, neither should the side vents. Sufficient clearance above ground and adjacent to the side vents must be allowed for ventilation of the Power Pack.
2. *Electrical Connection*
 - 2.1. Ensure the cable utilized between the Power Pack and the Ambilight has sufficient current carrying capacity. (>1.5mm cabtyre).
 - 2.2. Also ensure that the current carrying capacity of the circuit breaker feeding the Power Pack is sufficient to carry the load. (~220V/50VA).
3. *Programming the Remote control*
 - 3.1. The Remote Control is an optional function allowing control over the function of the Power Pack, and hence the Ambilight.
 - 3.2. The Power Pack is fitted with a Rocker Switch located on the right hand side of the Power Pack, allowing for:
 - 3.2.1. Control via the Remote, or
 - 3.2.2. Manual operation.
 - 3.3. Instructions for programming of the Remote Control is contained in the Remote Control box (white) provided.
 - 3.4. Interference with other remote control devices within close proximity to the Power Pack may occur.
 - 3.4.1. In case such as this, it is recommended that the frequency of the Transmitter and receiver be adjusted (per instruction pamphlet provided) until this situation is overcome.
4. *Connection to the Ambilight (See Section A above)*

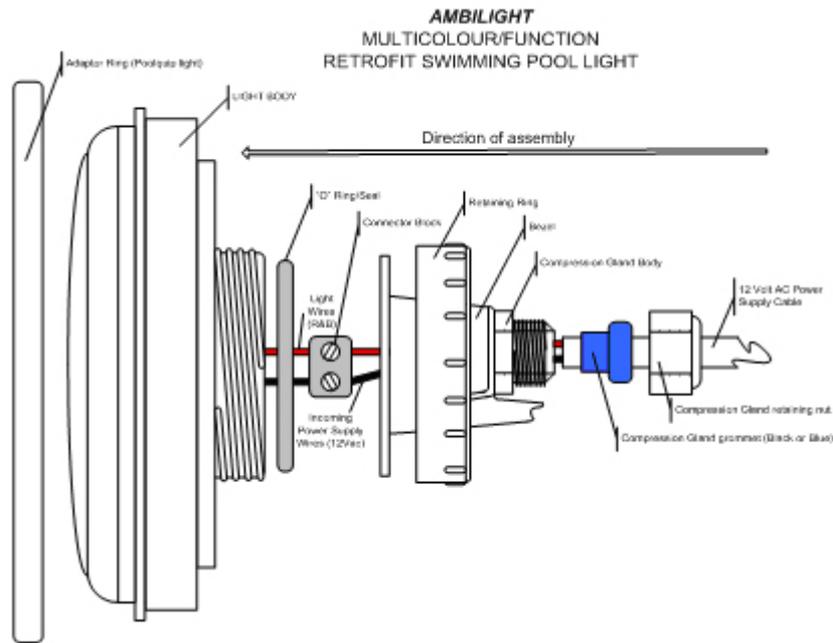
OPERATING INSTRUCTIONS

The Ambilight is equipped with 3 colours and 4 operating functions.

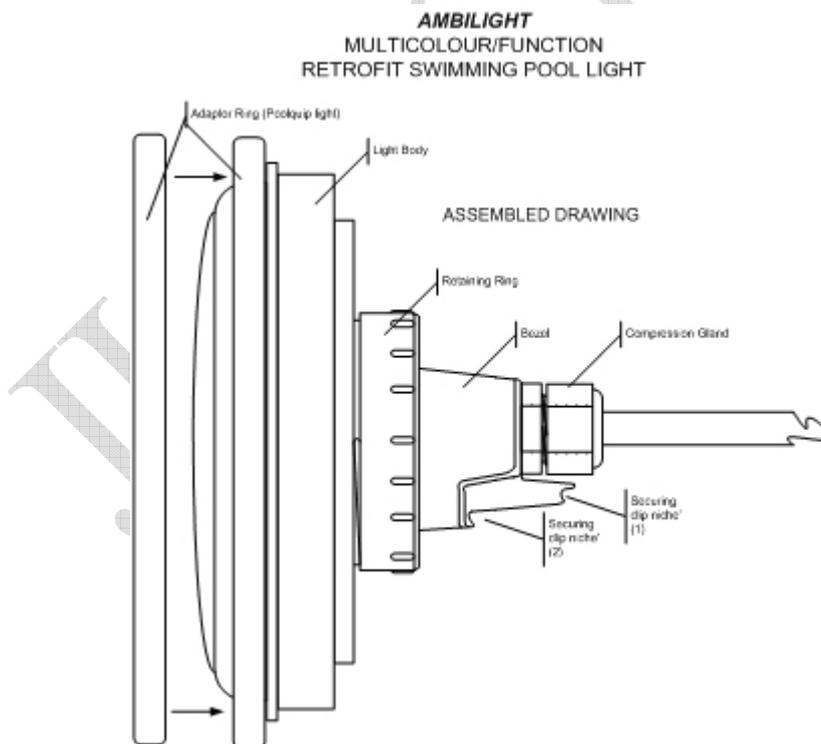
The 1st function is:

1. Switch the power supply feeding the Ambilight - ON.
2. The light will commence cycling through the colour range, this feature allows for a changing Ambiance through the Ambilight cycle. The colours will blend into each other as opposed either being ON or OFF.
3. Switch the Power Pack OFF and on again and the Ambilight will remain on a specific colour which you as the user choose.
4. By repeating the ON/OFF power cycle the unit will step the Ambilight onto the next colour.
5. After the 4th ON/OFF cycle, the Ambilight will return to the Auto Cycle as described in 2 above.
6. It is recommended that the Ambilight be switched off during daylight hours. This practice will ensure longevity for the Ambilight.

AMBILIGHT ASSEMBLY DRAWING



AMBILIGHT ASSEMBLED DRAWING



WARRANTY CONDITIONS:

Jasco Trading (Pty) Ltd manufactures of the JustLight range of products, herein after referred to as “the Supplier”. Warrants to the original purchaser of this product (“the Customer”), that this product will be free of defects in material and workmanship, which under normal, domestic purpose, manifest themselves within:

- Strictly 30 days from date of purchase.

Any claim in terms of the warranty must be supported by proof of purchase. No exceptions will be granted.

If such proof is not available, then notwithstanding anything to the contrary herein, the Supplier’s normal charge for service and/or spares will be payable by the Customer upon collection or delivery of the repaired product. If a claim is made in terms of the aforesaid warranty within thirty days from the date of purchase, the faulty product will be exchanged (provided that the product is in its original packaging with all accessories). Failing return of the product within thirty days, the Supplier’s liability shall be limited on return to the Supplier of the product or parts thereof, to be replacement or repaired (in the sole discretion of the Supplier, or its duly appointed distributor) of the product to eliminate any defect in workmanship, or materials found to be due exclusively to any acts or omissions on the part of the Supplier, of which defects the Supplier shall have been notified in writing by the Customer within the aforesaid warranty period.

The warranty provided herein and the obligations of the Supplier as aforesaid are in lieu of, and of the Customers waives, all other warranties, guarantees, conditions or liabilities, expressed or implied, arising by law or otherwise, including without limitation, any obligations of the Supplier in respect of any injury, loss or damage (direct, indirect or consequential) arising out of the use of, or inability to use, this product and weather or not occasioned by the Supplier’s negligence (gross or otherwise) or any act of omission on its part.

The warranty does not include and will not be construed to cover products damaged as a result of, incorrect installation, disaster, Acts of God, abuse or any non authorised modifications to the product.

The warranty does not include any miscellaneous expendables, such as cables, connectors, plastic fittings or likes.

During the warranty period the product should be taken to a designated approved service centre of the Supplier, or one of its duly approved service agents. The Supplier does not accept any additional liability pursuant to this warranty for the cost of traveling or transportation of the product or parts too and from the designated service centre of the Supplier, which costs are not included in this warranty.

The supplier neither assumes nor authorizes any other person to assume for it, any additional liability in connection with the sale or servicing of its products.