

**SE Spa Electrics®**

***retro***®

REPLACEMENT LED POOL LIGHT



**UNIVERSAL SURFACE  
MOUNT RETRO INSTALL**

**GKRX**

**INSTALLATION & OWNER'S MANUAL**

# CONTENTS

READ THIS FIRST	3
TOOLS REQUIRED	4
PRODUCT SUPPORT	4
INCLUDED PARTS	5
BEFORE YOU START	6
EXISTING LIGHT REMOVAL	7
LIGHT INSTALLATION	8
TRI COLOUR OPERATION	15

## NOTICE



**HORIZONTAL MOUNT ONLY**  
**NOT INTENDED FOR OPERATION OUT OF WATER**

# READ THIS FIRST

This booklet contains important information about the correct installation and handling of the GKRX Series lights. **Please read this booklet carefully** before commencing installation to familiarise yourself with the included parts, accessories and correct installation procedures.

## BEFORE YOU START

- If required, ensure that the transformer is installed by a suitable qualified persons (e.g., registered pool builder and/or qualified electrician), in accordance with AS/NZS 3000:2018 standards.
- For safe and proper installation, ensure that only those parts supplied with the system are used.
- Check that there is enough cable behind the existing light to allow for servicing above water, preferably at ground-level pool-side.
- Ensure the pool light end of cable is circular and free of damage or imperfections i.e., cuts, cracks or deformation. If possible, trim back until fresh end of cable is available.
- Confirm existing transformer is an iron core type, 12~32V AC ONLY and in good working order (If in doubt contact Spa Electrics).

## CLEANING

- Only use warm water and a soft brush or cloth to clean GKRX Series. DO NOT use detergents or spirits as this can damage the light and void your warranty.

## USE

- Operating the light for at least 15 minutes every week is advised (all year round)
- GKRX Series lights are suited for both domestic and commercial installations.

## IMPORTANT NOTES



- The **GKRX Series** light must only be powered by a **12~32V AC** iron core type transformer.
- DO NOT use electronic or switch-mode transformers with **GKRX Series** lights. These transformers will damage the light and void your product warranty.
- Pool chemicals & pH levels: Due to the corrosive nature of unbalanced pool chemicals, Spa Electrics strongly recommends that your pool water is balanced prior to installing your pool lights or any plastic or stainless-steel components and tested weekly to maintain these levels. pH level should be maintained between 7.2 – 7.6 at all times to ensure the longevity of these components.
  - Failure to do so can result in chemical damage to the light housing and pool fittings, including stainless steel components
  - Please note: Lights or components found to have excessive chemical damage will not be covered under our manufacturer's warranty policy
- This light contains no user-serviceable parts; opening the light will void the product warranty.

## TOOLS REQUIRED

- ✓ Flat-Blade Screw Driver
- ✓ No.2 Phillips Head Screw Driver
- ✓ Side Cutters/ Pliers
- ✓ Neutral Curing Silicone (Fibreglass/ Vinyl Pools)

## IMPORTANT NOTES



- The use of power tools for product assembly is **NOT** recommended as these devices can cause faults and damage to light components.
- The enclosed images are for illustrative purposes only. Appearances of parts and assemblies may vary from the enclosed illustrations.
- Please contact your reseller if you have any questions regarding the correct installation of this product.

## PRODUCT SUPPORT AND INFORMATION

Telephone: 03 9793 2299 (Business hours 8:30 – 4:30)

### SALES ENQUIRIES

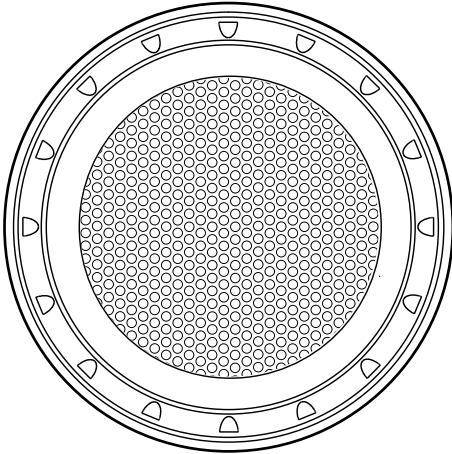
E. sales@spaelectrics.com.au

### TECHNICAL SUPPORT

E. tech@spaelectrics.com.au

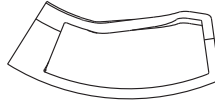
[www.spaelectrics.com.au](http://www.spaelectrics.com.au)

# INCLUDED PARTS



**GKRX LIGHT ASSEMBLY**  
with TERMINAL COVER &  
1 X CABLE GLAND attached

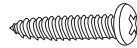
## CABLE SEAL KIT & MOUNTING SCREWS



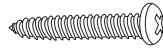
4 X CABLE GLANDS



1 X SCREW M4 X 12 P



4 X SCREW 1 X 8

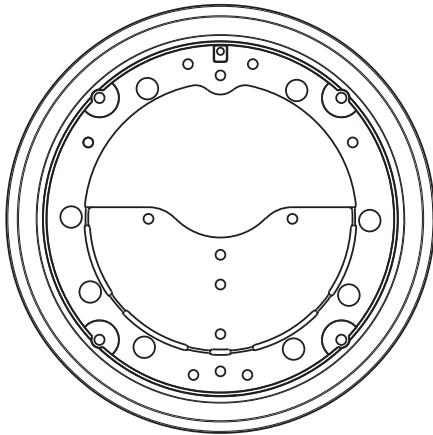


4 X SCREW 1 1/2 X 8

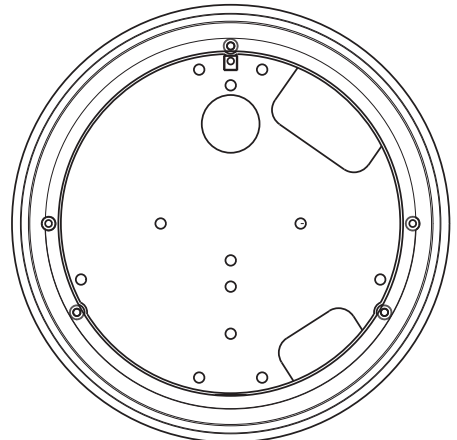


LANOLIN

LANOLIN GREASE TUBE



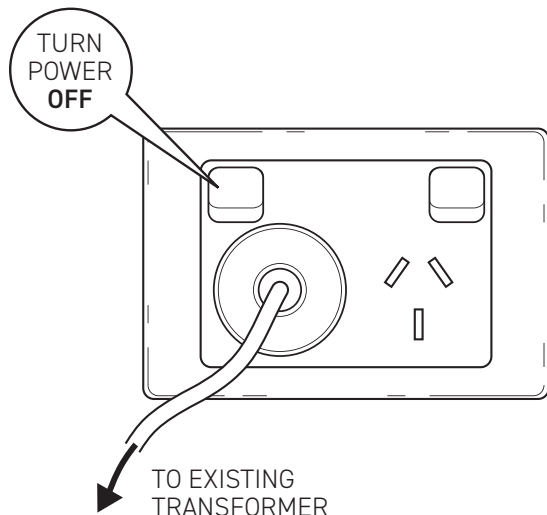
**RETRO PLATE 'A'**  
(P/N: GK6709)



**RETRO PLATE 'B'**  
(P/N: GK6709F)

# BEFORE YOU START

## 1 TURN POWER OFF



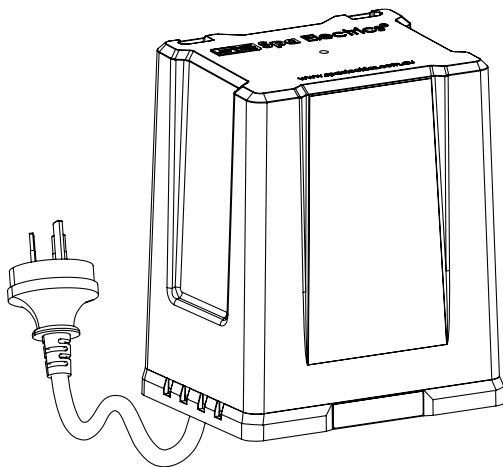
## 2 CHECK TRANSFORMER

### EXISTING TRANSFORMER MUST BE:

- 12-32V AC ONLY
- MIN 15 WATT (PER LIGHT)
- IN GOOD WORKING ORDER

### EXISTING TRANSFORMER MUST NOT BE:

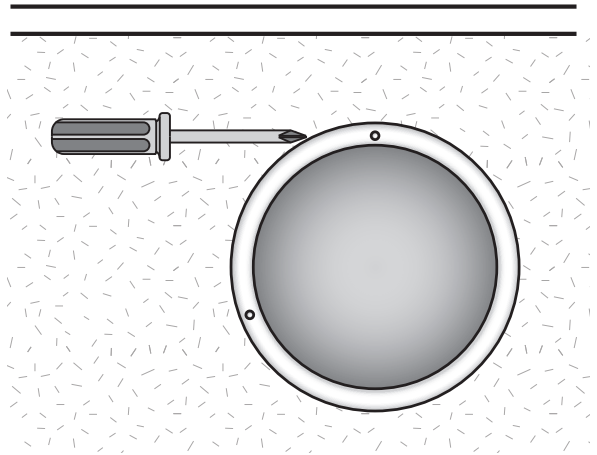
- DC OR LED DRIVER
- ELECTRONIC OR SWITCH MODE
- WEATHER DAMAGED OR IN OTHERWISE POOR CONDITION



# LIGHT REMOVAL

## 1 REMOVE EXISTING LIGHT

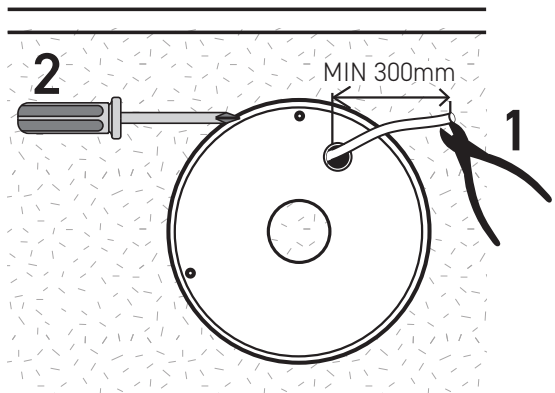
REMOVE EXISTING LIGHT FROM POOL WALL.



## 2 DISCONNECT EXISTING LIGHT

1. DISCONNECT CABLE TO POOL LIGHT, LEAVING AS MUCH EXCESS CABLE AS POSSIBLE.

2. REMOVE EXISTING BRACKET FROM POOL WALL.



### IMPORTANT

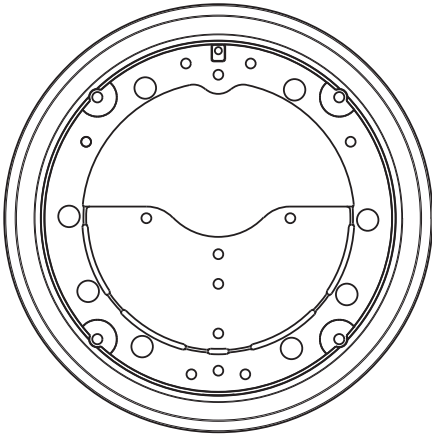


DO NOT REMOVE CABLE GLAND FROM FIBREGLASS OR VINYL POOLS.

# LIGHT INSTALLATION

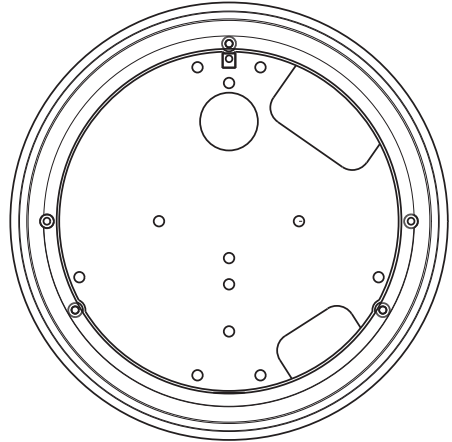
ENSURE SYSTEM IS TURNED OFF & ISOLATED PRIOR TO INSTALLING LIGHT FITTING.

## 1 SELECT CORRECT BRACKET



**RETRO PLATE 'A'**

CONCRETE INSTALLATIONS



**RETRO PLATE 'A'**

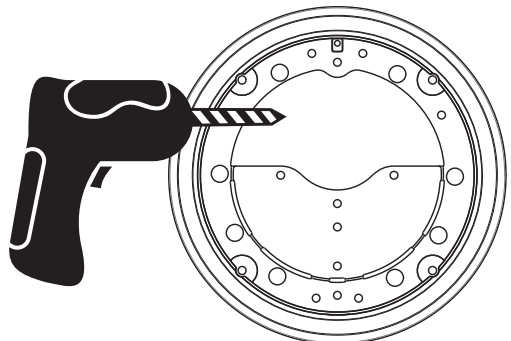
CONCRETE INSTALLATIONS

USING THE INFORMATION IN STEP 3 SELECT THE APPROPRIATE RETRO BRACKET FOR YOUR INSTALLATION.

## 2 BRACKET MODIFICATION

IN MOST CASES THE PRE MADE MOUNTING HOLES WILL ALIGN WITH MAJOR BRAND POOL LIGHTS.

HOWEVER IF REQUIRED, IT IS PERMISSIBLE TO DRILL NEW HOLES IN THE RETRO PLATES IN ORDER TO MOUNT TO EXISTING POSITIONS.





# 3

## EXISTING LIGHT IDENTIFICATION

### AUTUMN SOLAR SLIM 180

\* Also suitable for Magic / Questa / Waterlinx / Pantera light



POOL	PLATE	REMOVE TABS
TILED	A	-
RENDERED	B	-
FIBREGLASS	B	D
VINYL	N/A	N/A

PLATE 'A'

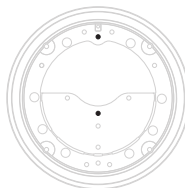
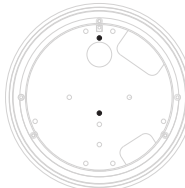


PLATE 'B'



### AQUAQUIP QC SERIES



POOL	PLATE	REMOVE TABS
TILED	A	N/A
RENDERED	B	-
FIBREGLASS	B	-
VINYL	N/A	N/A

PLATE 'A'

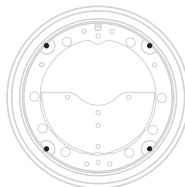
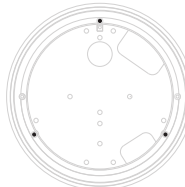


PLATE 'B'



### FILTRITE PAR 56

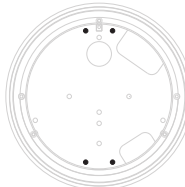


POOL	PLATE	REMOVE TABS
TILED	B	-
RENDERED	B	-
FIBREGLASS	B	-
VINYL	B	-

GK6710



PLATE 'B'



### POOLRITE TRIMLITE



POOL	PLATE	REMOVE TABS
TILED	A	-
RENDERED	B	-
FIBREGLASS	B	D,E,F,G,H,J,K
VINYL	N/A	N/A

PLATE 'A'

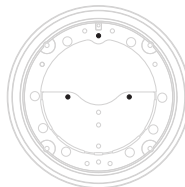
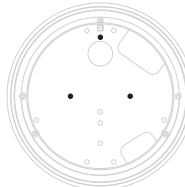


PLATE 'B'



### SPA ELECTRICS SE3M



POOL	PLATE	REMOVE TABS
TILED	A	-
RENDERED	B	-
FIBREGLASS	B	D
VINYL	B	-

PLATE 'A'

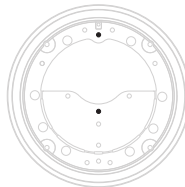
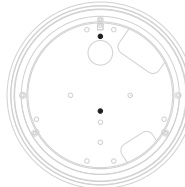


PLATE 'B'



\* Note: SE3 Lights with suction outlet cannot be replaced with the GKRX model due to suction installation standards. For more information contact Spa Electrics.

# 3

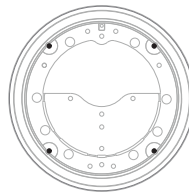
## EXISTING LIGHT IDENTIFICATION CONT.

### STROUD C150



POOL	PLATE	REMOVE TABS
TILED	A	-
RENDERED	A	-
FIBREGLASS	A	-
VINYL	N/A	N/A

PLATE 'A'



### STROUD SM400

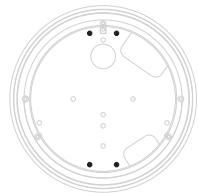


POOL	PLATE	REMOVE TABS
TILED	B	-
RENDERED	B	-
FIBREGLASS	B	-
VINYL	N/A	N/A

GK6710



PLATE 'B'

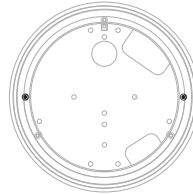


### SWIMWORLD POOL LIGHT



POOL	PLATE	REMOVE TABS
TILED	B	-
RENDERED	B	-
FIBREGLASS	B	-
VINYL	N/A	N/A

PLATE 'A'



### WATERCO LITESTREAM

\* Also suitable for Britestream LED model



POOL	PLATE	REMOVE TABS
TILED	A	-
RENDERED	B	-
FIBREGLASS	B	E,G,H
VINYL	B	-

PLATE 'A'

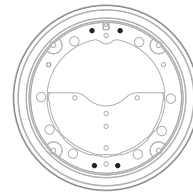
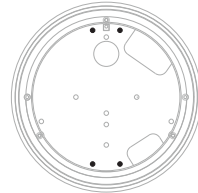


PLATE 'B'



## IMPORTANT



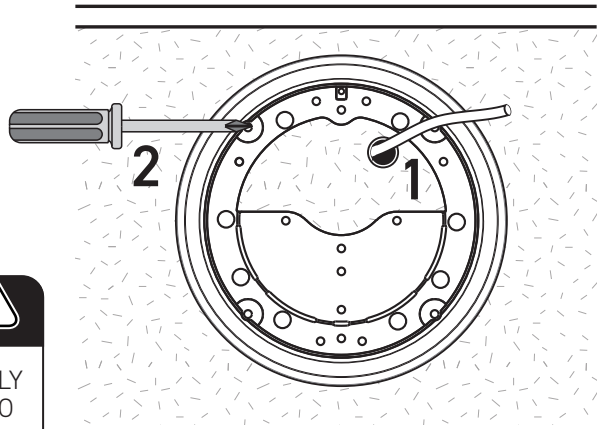
THESE MOUNTING LOCATIONS ARE PROVIDED AS A GUIDE ONLY. IN SOME CASES MOUNTING LOCATIONS CAN VARY FROM THE DESIGNATED POSITIONS. IN THESE INSTANCES DRILLING NEW MOUNTING HOLES MAY BE REQUIRED. SEE STEP 2 FOR DETAILS

# 4

## INSTALLING RETRO BRACKET

1. FEED POOL LIGHT CABLE THROUGH SUITABLE LOCATION ON RETRO BRACKET

2. AFFIX BRACKET TO EXISTING MOUNTING LOCATIONS USING STAINLESS STEEL SCREW KIT PROVIDED.



### NOTE

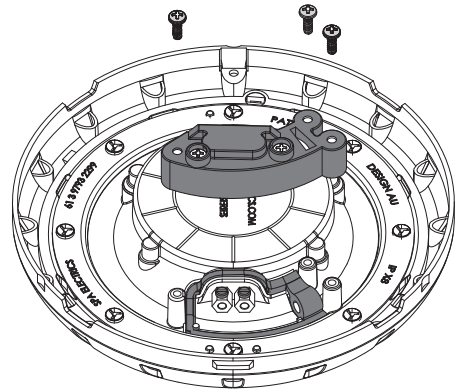
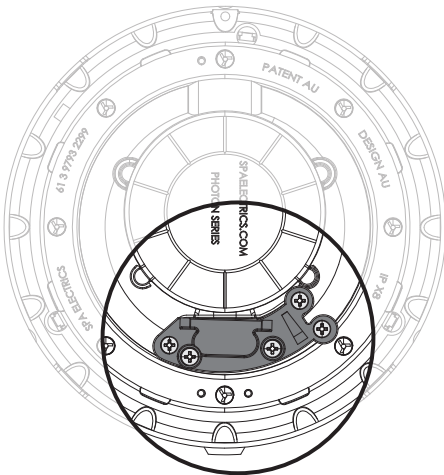


FOR FIBREGLASS POOLS, APPLY NEUTRAL CURING SILICONE TO MOUNTING SCREW THREADS.

# 5

## CONNECTING CABLE TO LIGHT

REMOVE TERMINAL COVER



USING A #2 PHILIPS SCREW DRIVER REMOVE THE 3 FIXING SCREWS AND TERMINAL COVER TO REVEAL THE TERMINAL CONNECTION.

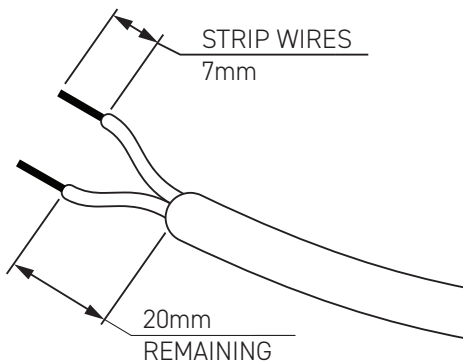
## 6 CABLE PREPARATION

STRIP POOL LIGHT CABLE TO SPECIFIED LENGTH.

### NOTE

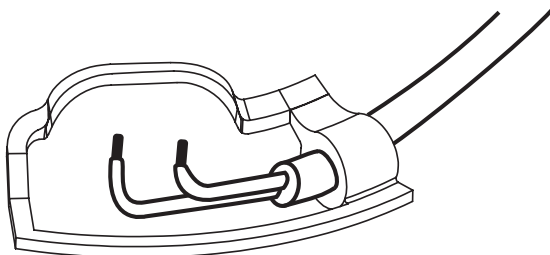


IF CABLE LENGTH ALLOWS, CUT CABLE BACK UNTIL FRESH COPPER APPEARS



SELECT AN APPROPRIATE CABLE GLAND BY TESTING EACH GLAND ON THE EXISTING CABLE.

THE FITMENT SHOULD BE FIRM OVER THE CABLE WITHOUT BULGING OR DEFORMING THE GLAND.



## 7 ATTACH CABLE TO LIGHT

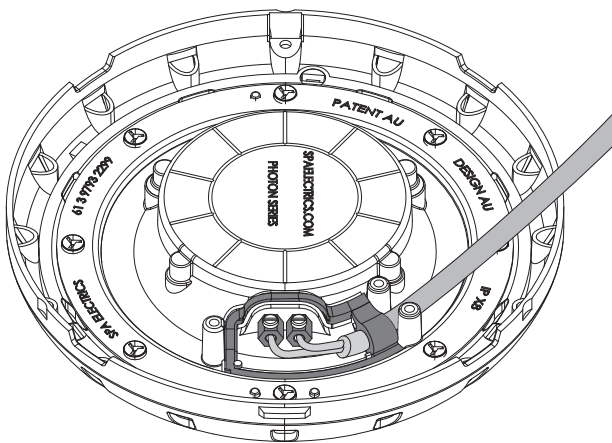
ATTACH WIRES TO TERMINALS ON REAR OF LIGHT, USING A FLAT BLADE SCREWDRIVER.

ENSURE GLAND IS CORRECTLY SEATED AND NOT TWISTED.

### NOTE



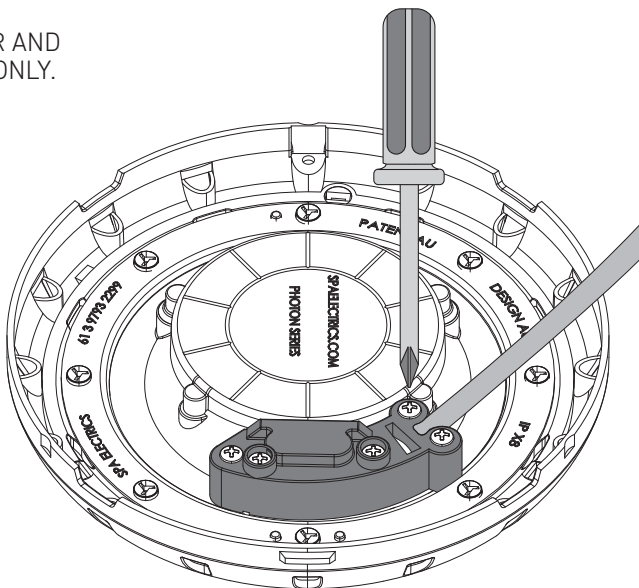
AS THE LIGHTS OPERATE ON **AC** VOLTAGE THERE IS NO POLARITY.



# 8

## ATTACH CABLE TO LIGHT CONT.

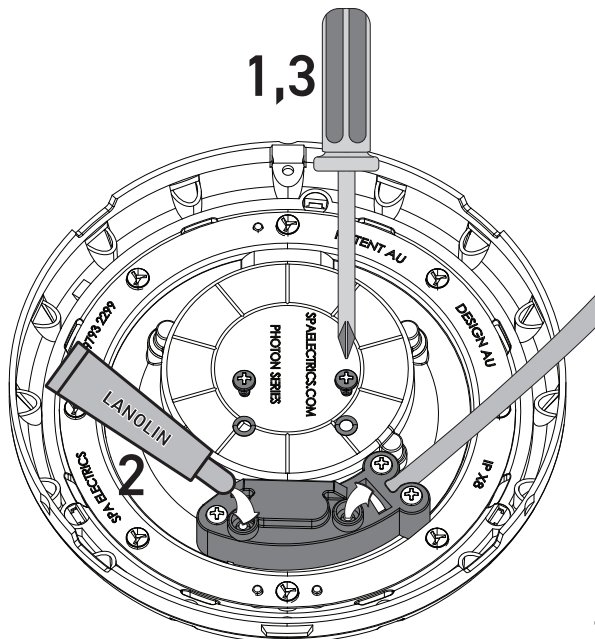
REPLACE TERMINAL COVER AND SECURE FIRMLY BY HAND ONLY.



# 9

## INJECT LANOLIN GREASE

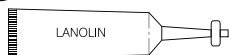
1. REMOVE 2 X FILLER SCREWS & O-RING SEALS.
2. INJECT LANOLIN INTO LEFT FILLER HOLE UNTIL VISIBLE IN RIGHT FILLER HOLE.
3. REPLACE THE O-RING SEALS AND SCREWS IN THE FILLER HOLES. ENSURE NOT TO OVER TIGHTEN.



### LANOLIN USE



GENTLY WARM  
LANOLIN TUBE



REMOVE  
LID

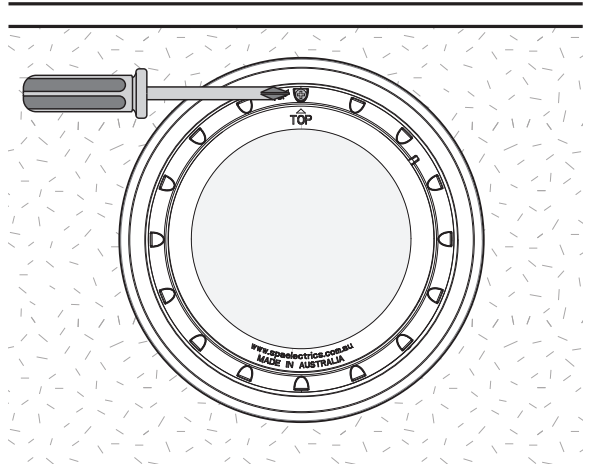
# 10

## ATTACH LIGHT TO BRACKET

COIL EXCESS CABLE BEHIND POOL LIGHT.

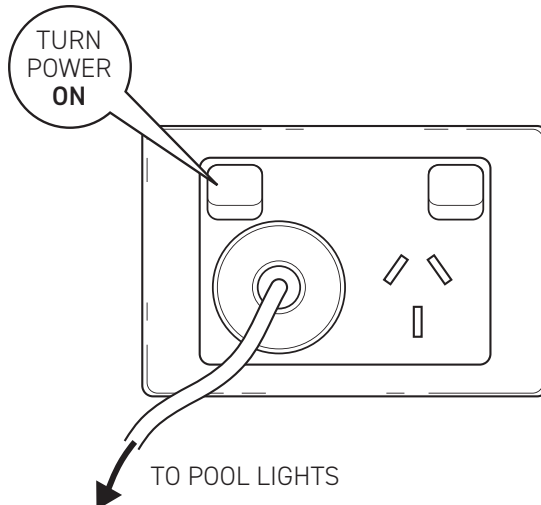
ATTACH LIGHT TO BRACKET BY INSERTING TAB AT BASE OF LIGHT INTO BRACKET AND INSERTING M4 X 12 P SCREW.

TIGHTEN GENTLY BY HAND.



# 11

## TEST SYSTEM



# TRI-COLOUR OPERATION

**TRI-COLOUR** light models provide a choice of 3 exciting fixed colours at the flick of a switch!

## COLOURS AVAILABLE:

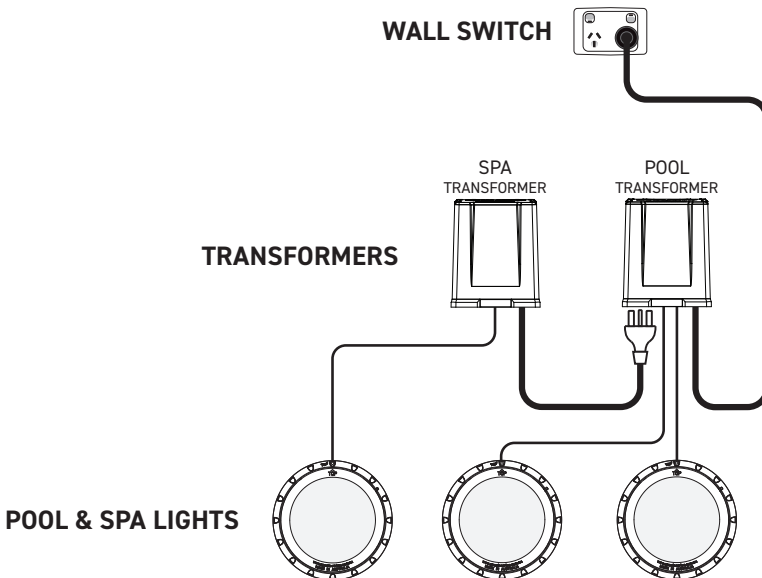
1. Electric **Blue**
2. 4000K **White**
3. Lagoon **Green**

## OPERATING INSTRUCTIONS:

1. To change the colour of the light, simply turn your light **OFF** for **2** seconds and then turn it back **ON**. This will signal the light to proceed to the next colour. Colours will display in the order above, to select a desired colour, simply step through the colours until you find your desired selection.
2. Your lights will automatically save your selected colour once the power has been turned **OFF** for more than **1** minute so the next time the lights are used, they will illuminate on the last colour selected.
3. To reset or '**synchronise**' your lights; with the power turned **ON**, turn the power **OFF/ON** once rapidly. This will put the lights into **RESET** mode (flashing **BLUE**), once this occurs turn the power **OFF**, wait **2** seconds & turn the power **ON**. Your lights should now be synchronised.

## SYNCHRONISED INSTALLATION

When installing multiple lights; to ensure synchronisation and ease of operation all lights must operate from a single switch.





 **Spa Electrics**<sup>®</sup>

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