

EMC

INSTALLATION & OWNER'S MANUAL

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NOTICE



HORIZONTAL MOUNT ONLY

NOT INTENDED FOR OPERATION OUT OF WATER

READ THIS FIRST

Congratulations on your purchase of the **ATOM** underwater lighting system. All **ATOM** lights are manufactured by Spa Electrics in Australia from only the highest quality materials. For more information about Spa Electrics & our products,

please visit www.spaelectrics.com.au

BEFORE YOU START:

- ATOM cables can be shortened to suit individual installation requirements. Spa Electrics recommends all cabling is protected by conduit and that a junction box (or similar) is incorporated into pool cabling design to avoid siphoning.
- Ensure that the lighting system is installed by a qualified person (e.g. registered pool builder and/or licensed electrician), in accordance with the most current edition and/or amendment of current AS/NZS 3000 Wiring Rules.
- For safe and proper installation, ensure that only those parts supplied with the system are used.
- Maximum installation depth for the **ATOM** light is 400mm (16") below water line (to top of light).
- All lights should be mounted in a location that is easily accessible without the need for entering or lowering the pool water.
- 700mm (28") cable has been supplied pre-assembled within niche assembly, and must remain stored within the Niche to ensure the light can be accessed above the waterline. (Maximum cable within niche - 1000mm (40") (up to 1.0mm²). See Page 16 for more information).

CLEANING

Only use warm water and a soft brush or cloth to clean ATOM lights. <u>DO NOT</u> use detergents or spirits as this
can damage the light and void your warranty.

USE OF PRODUCT

- **DO NOT** operate light unless completely submerged in water.
- Operating the light for at least 30 minutes every week is advised (all year round).
- ATOM lights are suited for both domestic and commercial installations and can be operated continuously (24/7) if required.
- Temperature range for installation, operation and servicing: $+5^{\circ}\text{C} \sim +40^{\circ}\text{C}$ (+41°F $\sim +104^{\circ}\text{F}$)

IMPORTANT NOTE



It is recommended that the ATOM lighting range is operated using a Spa Electrics LV25-12 or LV50-12 transformer.

- DO NOT use electronic or switch-mode power supplies with ATOM lights. These power supplies will damage the light and void your product warranty.
- Pool chemicals & PH levels: Due to corrosive nature of unbalanced pool chemicals, Spa Electronics strongly recommend 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 levels 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 containers no user-serviceable parts; opening the light will void the product warranty.

TOOLS REQUIRED



✓ No. 2 Phillips screwdriver



13mm open-ended spanner



✓ Flat-blade screw driver (for lighthead removal)

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 & INFORMATION

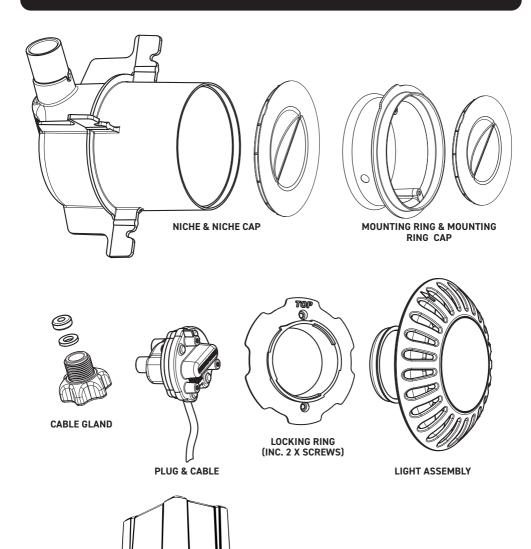
Phone: +61 03 9793 2299 (business hours)

Email: info@spaelectrics.com.au (SALES enguiries)

Email: tech@spaelectrics.com.au (TECHNICAL support enquiries)

Web: www.spaelectrics.com.au

INCLUDED PARTS



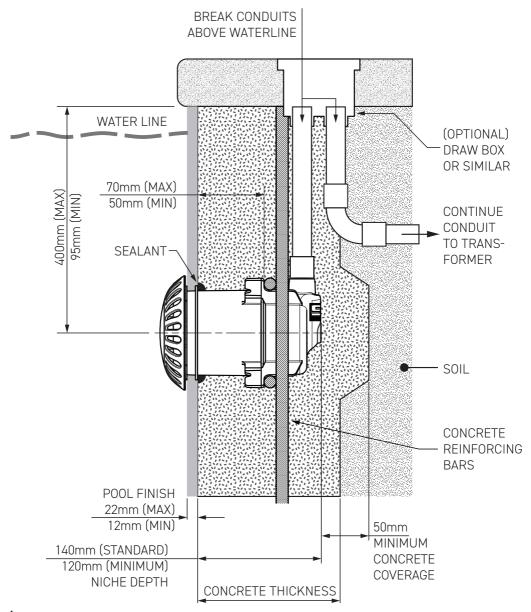
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FINISHED INSTALLATION

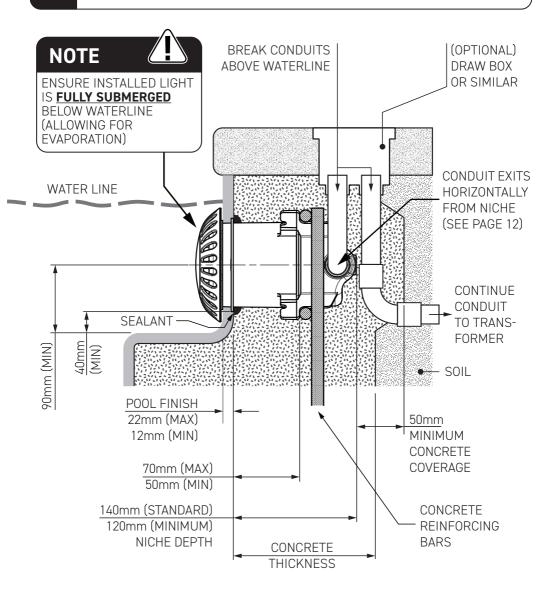
A

STANDARD WALL MOUNTING



B

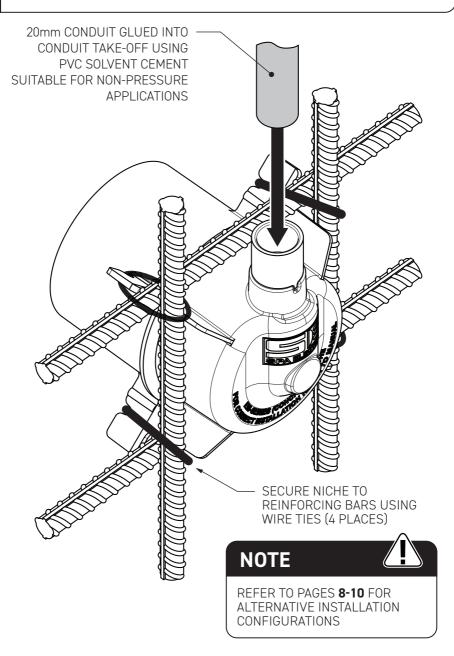
STEP MOUNTING



INSTALLATION PROCEDURE

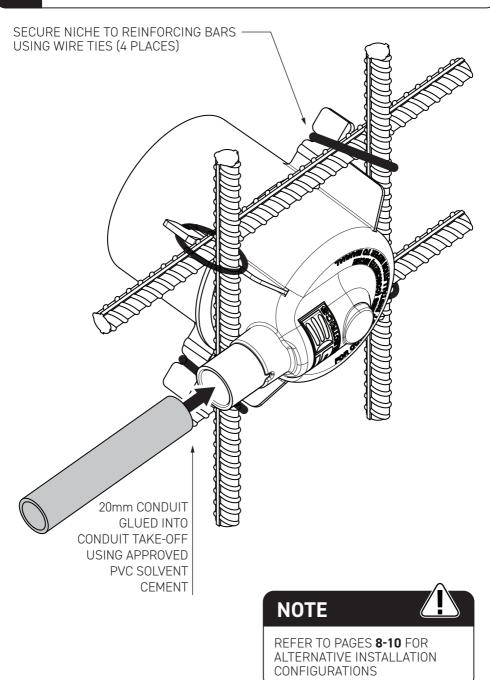
1A

VERTICAL CONDUIT INSTALLATION

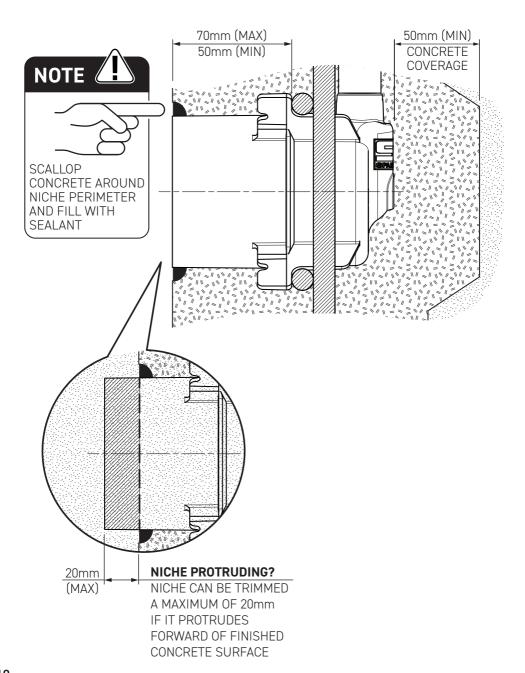


1B

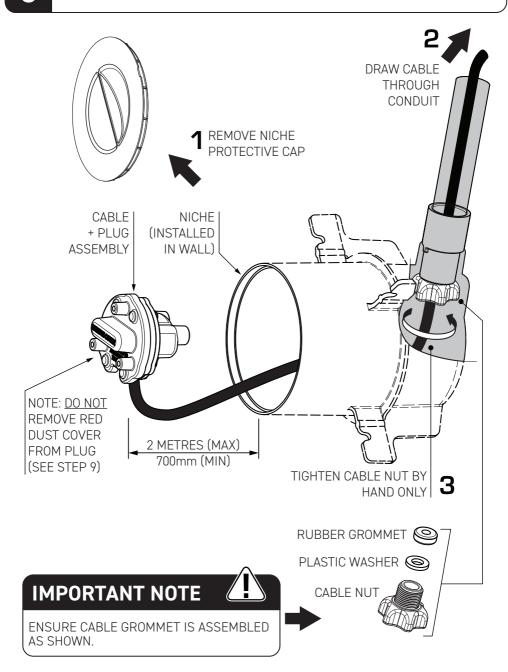
HORIZONTAL CONDUIT INSTALLATION



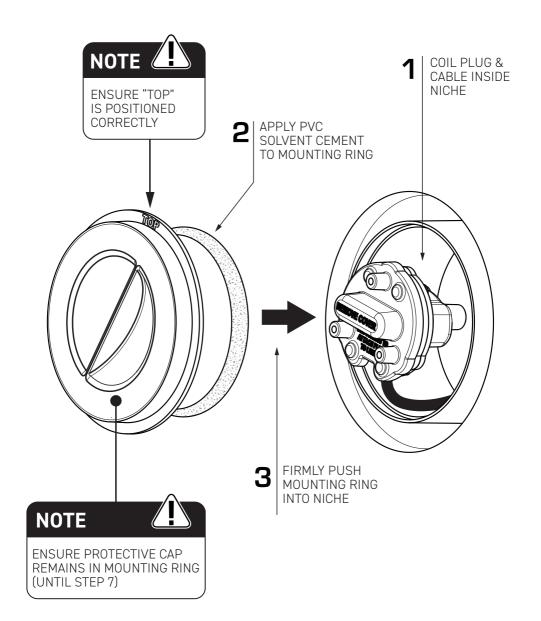
NICHE & CONCRETE DETAILS



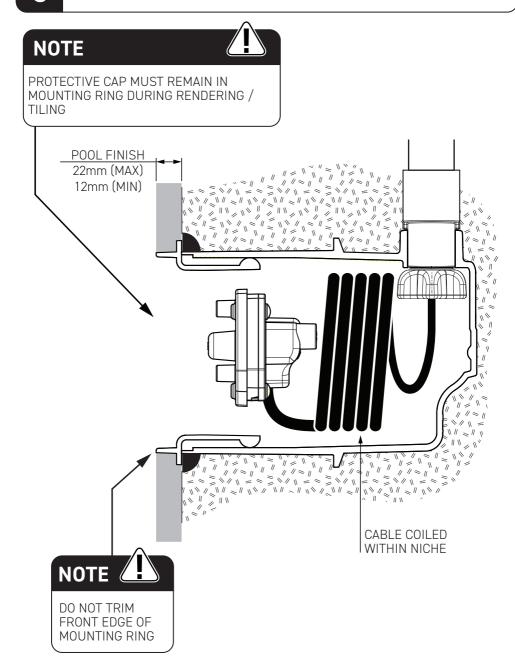
INSTALL CABLE & PLUG INTO NICHE



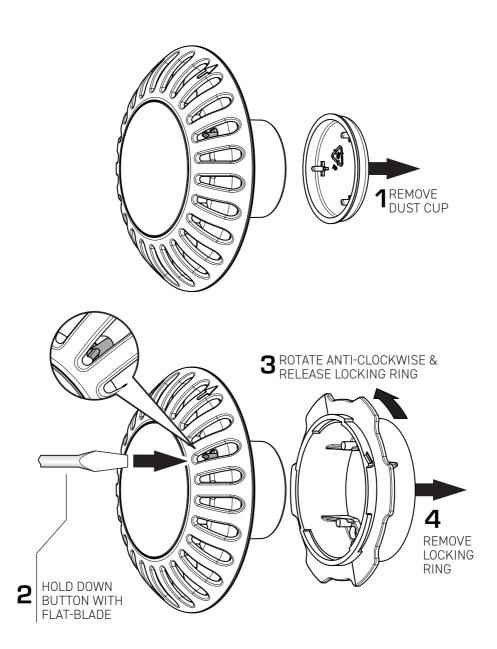
INSTALL MOUNTING RING INTO NICHE



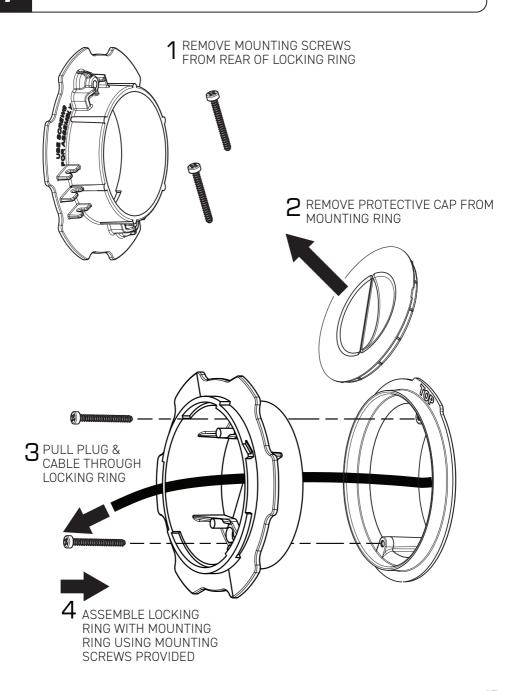
APPLY POOL FINISH



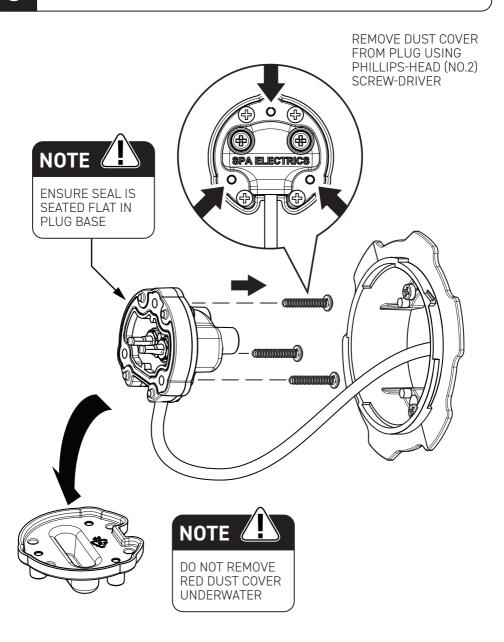
REMOVE LOCKING RING



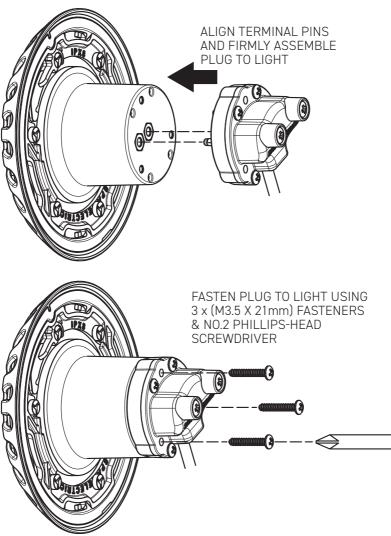
ASSEMBLE LOCKING RING TO MOUNTING RING



REMOVE PLUG DUST COVER



ASSEMBLE PLUG TO LIGHT



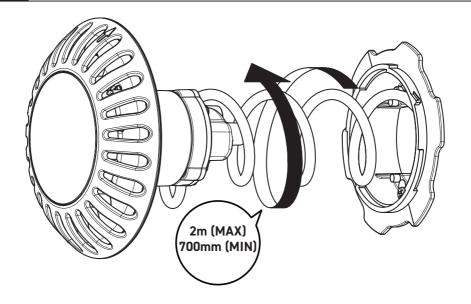
IMPORTANT NOTES



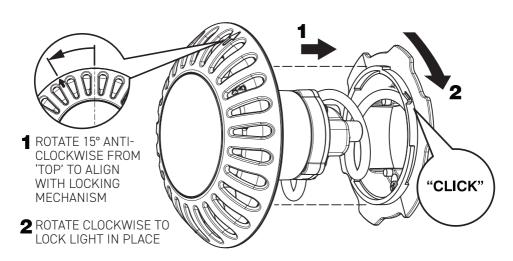
- → DO NOT OVERTIGHTEN SCREWS
- → DO <u>NOT</u> USE POWER-TOOLS
- → DO <u>NOT</u> ADD SEALANTS OR GREASES
- → ENSURE ALL SURFACES ARE CLEAN AND DRY
- → DO NOT ASSEMBLE UNDERWATER

LIGHT ASSEMBLY

1 COIL CABLE INSIDE NICHE

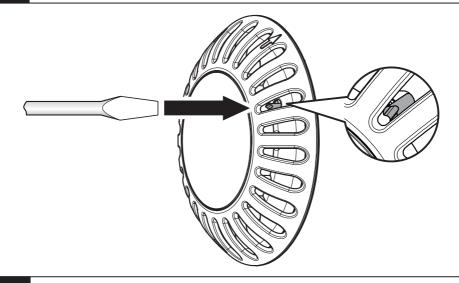


2 INSERT LIGHT INTO LOCKING RING

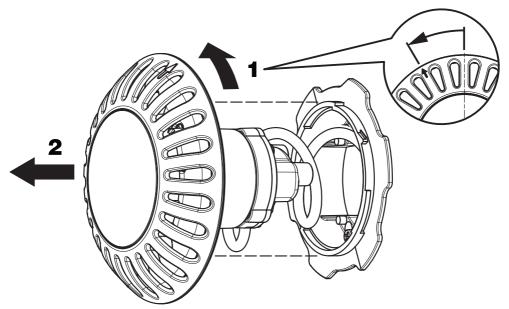


LIGHT REMOVAL

PUSH DOWN BUTTON WITH FLAT BLADE & HOLD

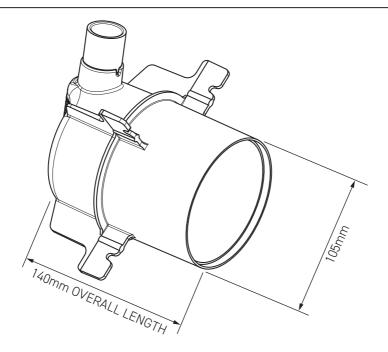


2 ROTATE ANTI-CLOCKWISE & RELEASE FROM LOCKING RING

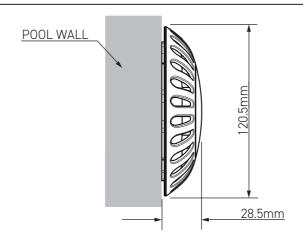


KEY DIMENSIONS

A NICHE



B INSTALLED LIGHT



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