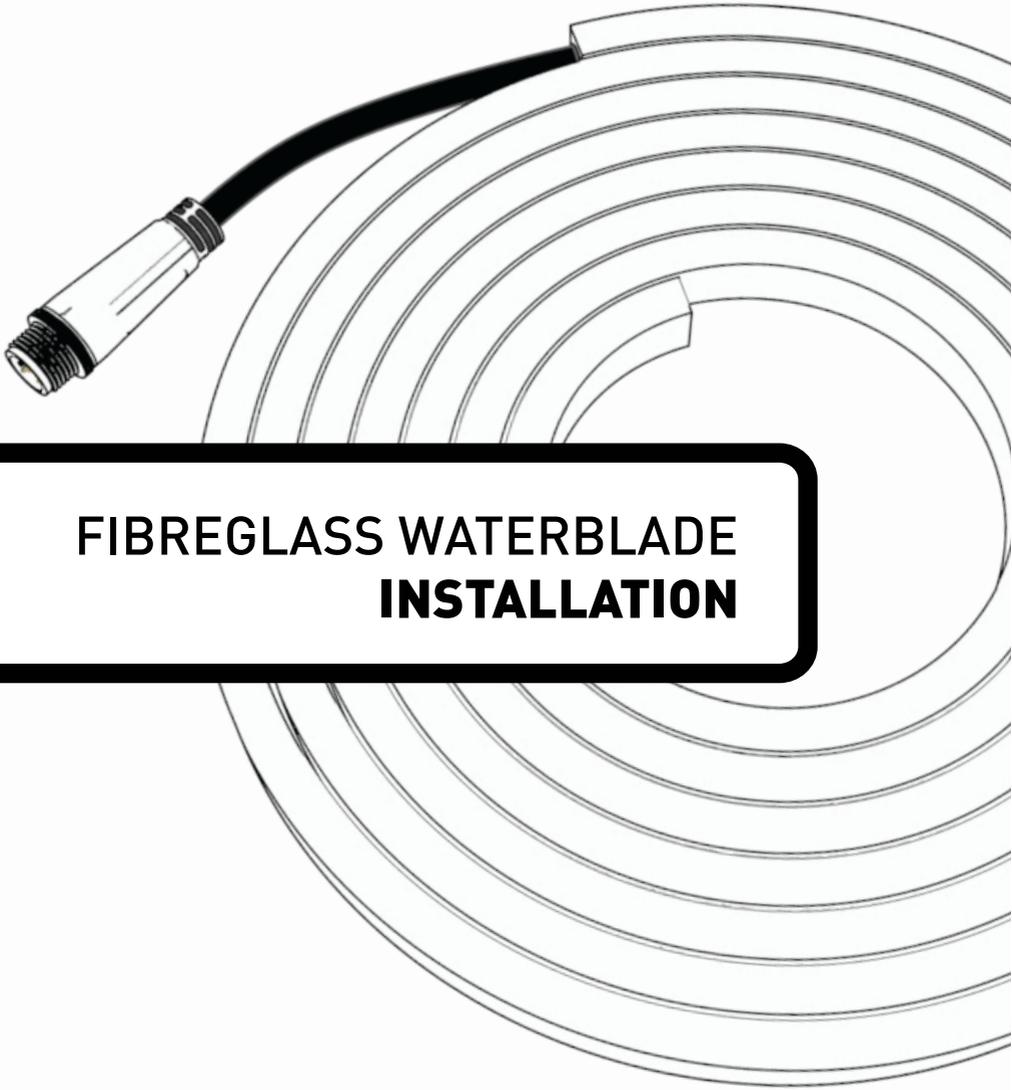


M A T R I X

LWB SERIES



**FIBREGLASS WATERBLADE
INSTALLATION**

**INSTALLATION &
OWNER'S MANUAL**

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SPECIFICATIONS

INPUT: 12V AC 2A ONLY

OUTPUT: 24V DC 1A MAX

MAX STRIP LENGTH : 10 METERS (TOTAL)

MAX CABLE LENGTH: 45M - (USE ONLY **MATRIX** CABLES)

FUSE: 2A BLADE FUSE

MAX OPERATING TEMPERATURE: 0°C ~ +40°C

TOTAL LAMP WATTS: 25W MAX

PRODUCT SUPPORT & INFORMATION

Phone: +61 3 9793 2299 (business hours)

Email: sales@spaelectrics.com.au (SALES enquiries)

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

Web: www.spaelectrics.com.au

READ THIS FIRST

Congratulations on your purchase of a **MATRIX** lighting system. All Spa Electrics lights are designed and manufactured in Australia from only the highest quality materials.

For more information on Spa Electrics and our products, please visit www.spaelectrics.com.au

BEFORE YOU START:

- **MATRIX** cables are supplied with pre-fitted quick connect plugs to reduce installation hassle and guarantee reliability. These cables should not be cut, joined or modified in any way from their original condition.
- Ensure that the power supply used to operate this 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 the AS3000 wiring code.
- For safe and proper installation, ensure that only those parts supplied with the system are used.
- Lights should only be mounted in a location that is readily accessible after the installation is complete.

CLEANING

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

USE

- Operating the light for at least 30 minutes every week is advised (all year round).
- Temperature range for installation, operation and servicing: 0°C ~ +40°C



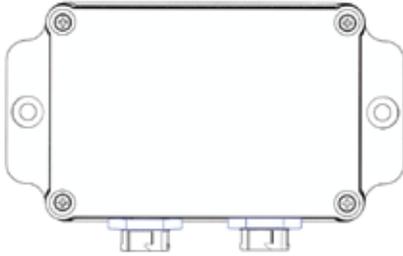
WARNING

Minimum power source wattage requirement - 25 Watts per driver

Maximum total strip light length per driver = 5 Meters

- DO NOT use electronic or switch-mode transformers. 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 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.

INCLUDED PARTS



STRIP LIGHT DRIVER



1.2M STRIP LIGHT



1M INPUT POWER CABLE



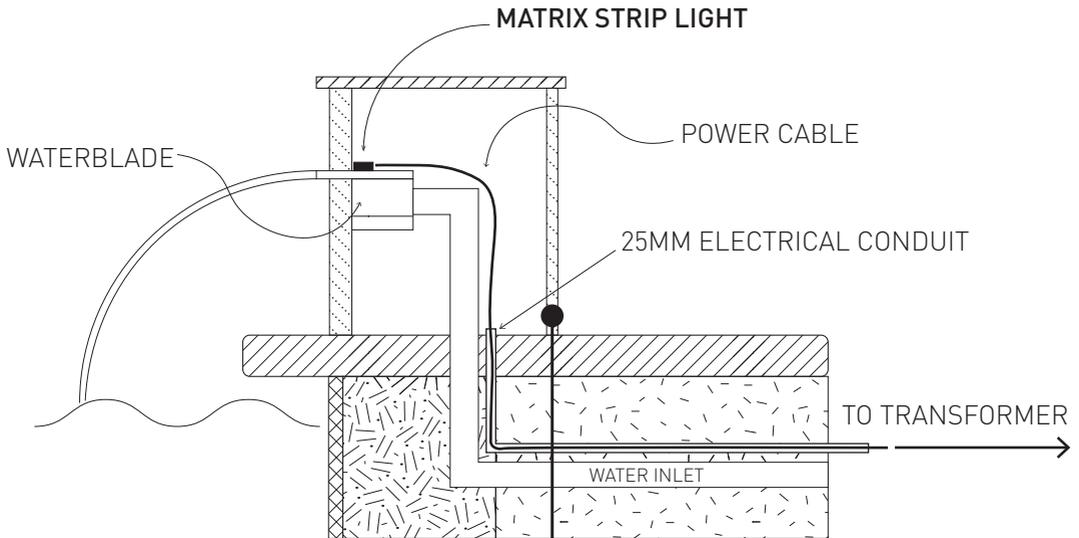
5M STRIP LIGHT
POWER CABLE



NOTE

**ADDITIONAL EXTENSION
CABLES AVAILABLE IN
20, 30, 40M LENGTHS.
SEE PAGE 10 FOR FURTHER
INFORMATION.**

FINISHED INSTALLATION



 **NOTE**
INTERNAL ACCESS TO STRIP LIGHT IS STRONGLY RECOMMENDED

INSTALLATION – MOUNTING

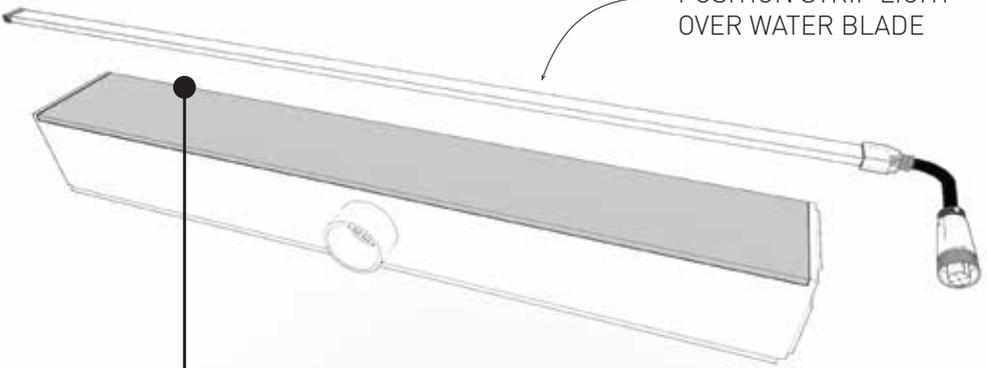
1 REMOVE ADHESIVE

REMOVE ADHESIVE
PEEL COAT



2 POSITION STRIP LIGHT

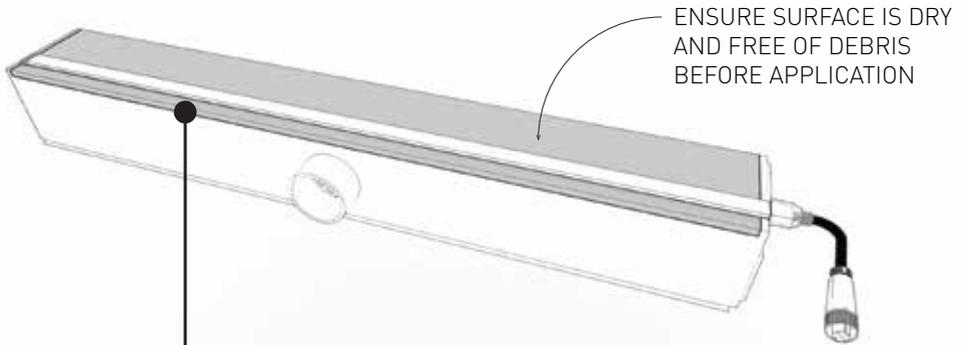
POSITION STRIP LIGHT
OVER WATER BLADE



NOTE

ADHERE STRIP LIGHT AS CLOSE
AS POSSIBLE TO EXTERNAL LIP
OF WATER BLADE

3 ADHERE STRIP LIGHT



NOTE

PRESS FIRMLY BY HAND TO ENSURE A STRONG ADHESION



WARNING

PROVIDED TAPE MUST BE USED TO ADHERE STRIP LIGHT. ANY ALTERNATIVE MAY VOID ON-SITE WARRANTY.



STRIP LIGHT TOO LONG?

EACH STRIP LIGHT CAN BE SHORTENED BY SIMPLY TRIMMING TO THE DESIRED LENGTH USING A PAIR OF SCISSORS. THERE ARE TRIM MARKS VISIBLE ON THE FRONT AND BACK OF THE STRIP LIGHT TO HIGHLIGHT THE APPROPRIATE TRIM LOCATION.

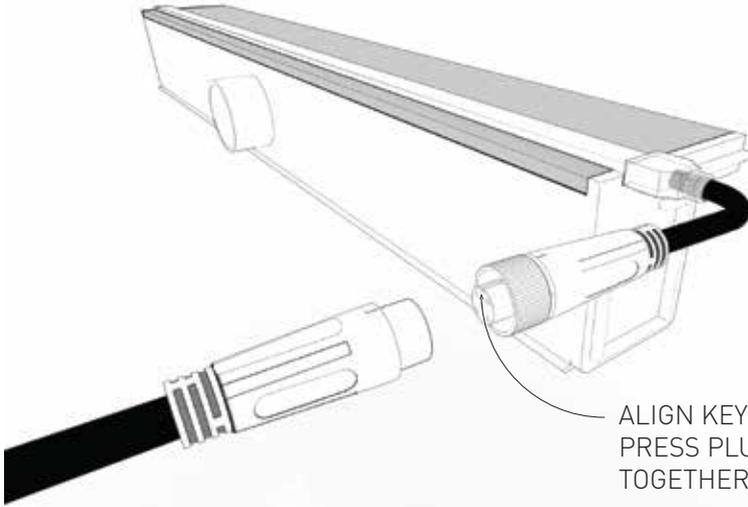
ONCE THE STRIP LIGHT IS TRIMMED, SIMPLY GLUE THE SPARE END CAP ON THE EXPOSED END USING NEUTRAL SILICONE.

Continue to next section

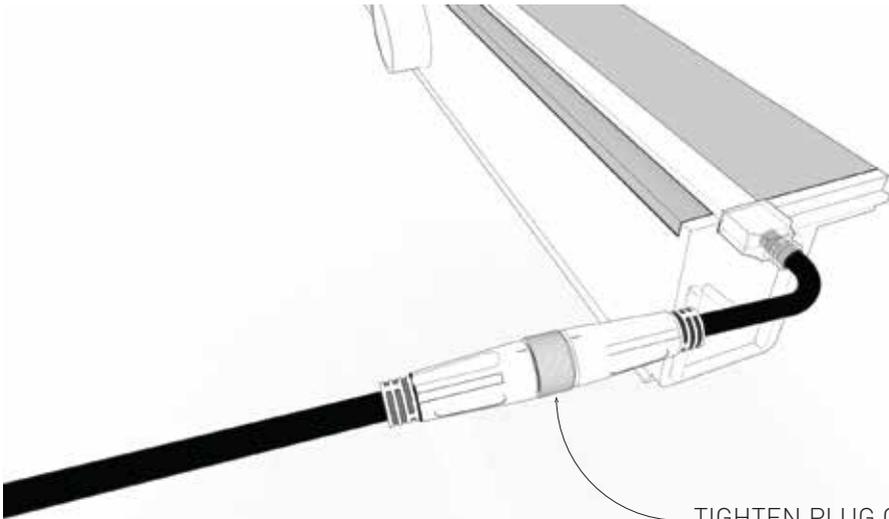


INSTALLATION – WIRING

4 CONNECT PLUG HALVES

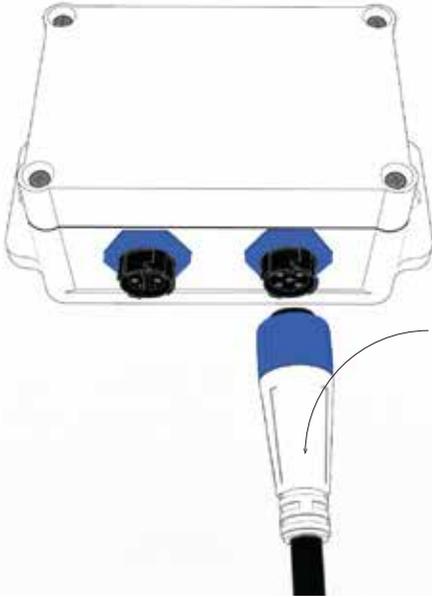


ALIGN KEY WAY AND
PRESS PLUG HALVES
TOGETHER.

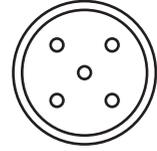


TIGHTEN PLUG COLLAR
FIRMLY BY HAND.

5 5 PIN CONNECTION

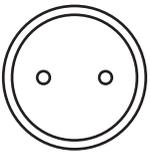


TO STRIP LIGHT
5 PIN CONNECTION

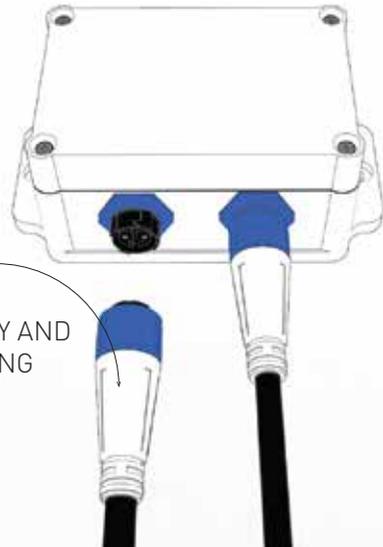


CONNECT STRIP LIGHT
POWER CABLE TO DRIVER
BY ALIGNING KEY WAY AND
PUSHING ONTO MATING
CONNECTOR.

6 2 PIN CONNECTION



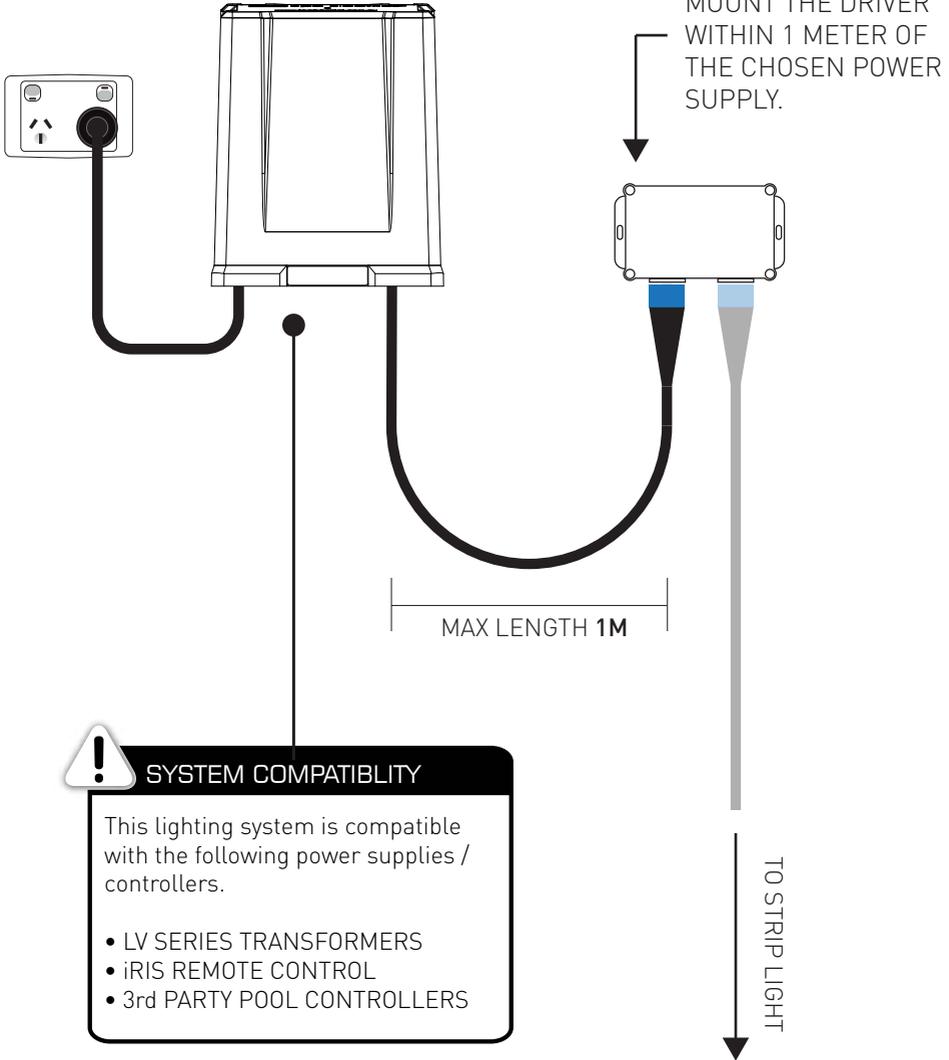
TO 12V AC POWER SUPPLY
2 PIN CONNECTION



CONNECT INPUT
CABLE TO DRIVER
BY ALIGNING KEY WAY AND
PUSHING ONTO MATING
CONNECTOR.

7 TRANSFORMER CONNECTION

TRANSFORMER

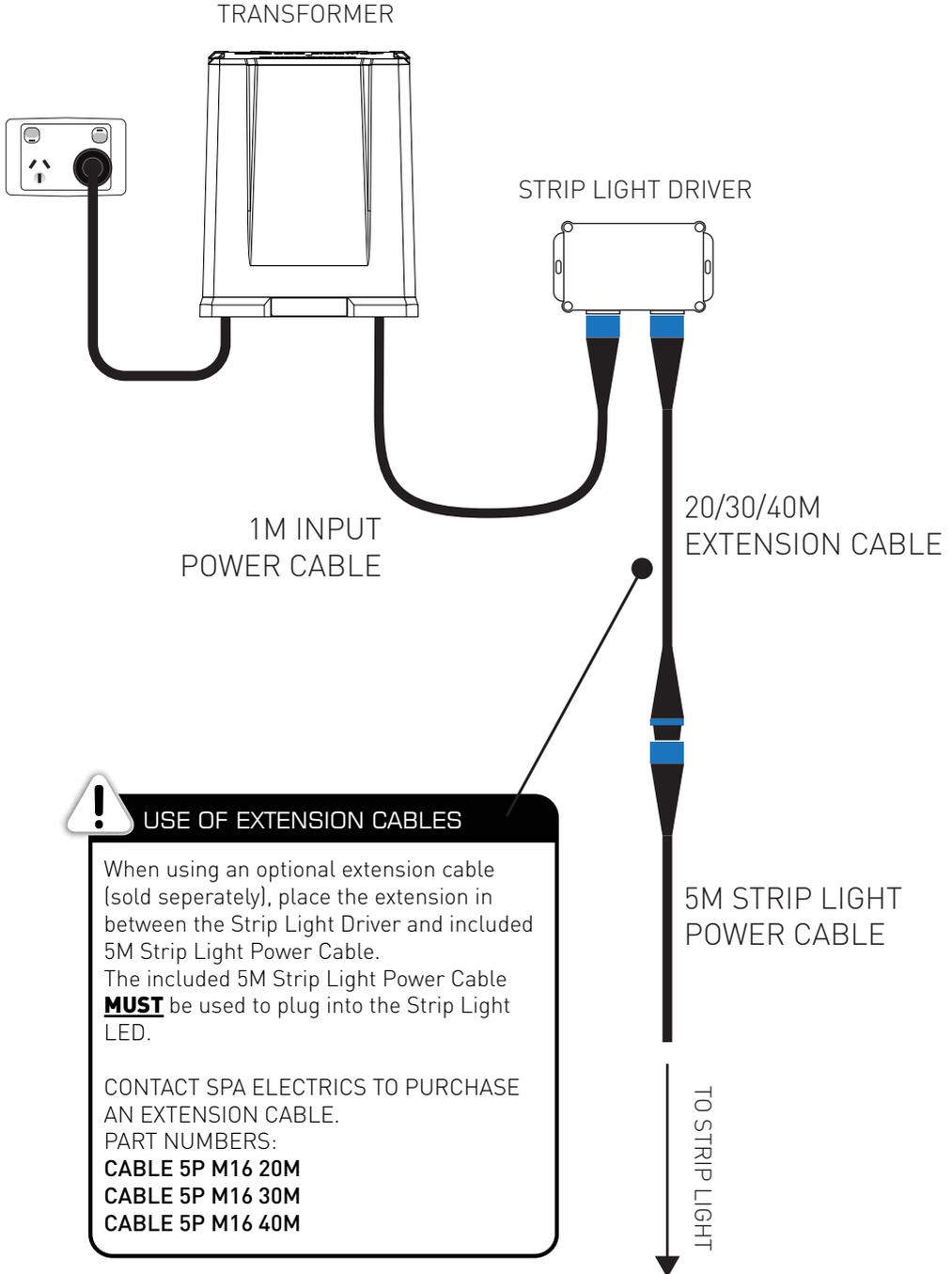


SYSTEM COMPATIBILITY

This lighting system is compatible with the following power supplies / controllers.

- LV SERIES TRANSFORMERS
- IRIS REMOTE CONTROL
- 3rd PARTY POOL CONTROLLERS

EXTENSION CABLES





NOTE

PLEASE STORE THIS
MANUAL IN A SAFE PLACE
FOR FUTURE REFERENCE



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