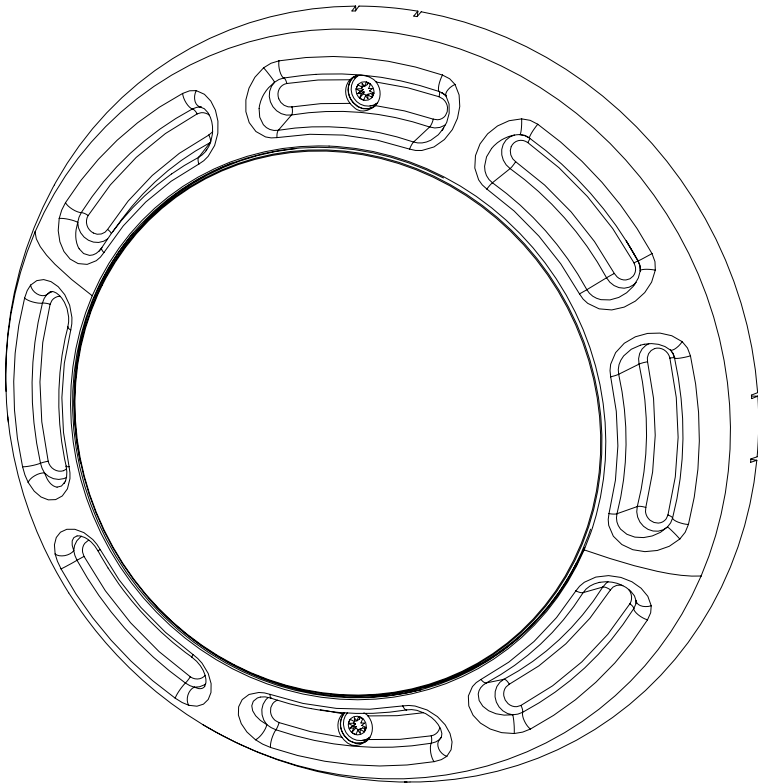




LIGHTING



EVENGLOW
NICHELESS INSTALLATION MANUAL

CONTENTS

PAGE	
2	Guides and Warnings
3	Nicheless Installation
6	Connecting Light
7	Connecting to driver
8	Troubleshooting
8	Terms and Conditions

GUIDES AND WARNINGS

Tools Required:

1 7/8" Hole Saw
Silicon + caulking gun
Thread tape

IMPORTANT INFORMATION:

- 1) Ensure that the electrical system for your pool conforms with all the requirements of the National Electrical Code (NEC) and all relevant local codes and ordinances.
- 2) This 12V Underwater Light must be installed in accordance with the National Electrical Code by a Certified Electrician or a Qualified Pool Technician. NOTE: No Bonding Terminal is required on the forming shell since the fixture is an all plastic construction and complies with NEC article 680 Requirements.
- 3) This Underwater light is designed for use with the PCR-4 AND PCR-2D UL Listed Class 2 LED Driver.

DO NOT CONNECT THIS 12V LIGHT DIRECT TO A 120V CIRCUIT.

The Junction Box and the low voltage transformer is located at least 4 (four) inches (10.16 cm) above ground level or eight (8) inches (20.3 cm) above maximum water level, whichever is higher. The Junction Box must be at least 48 inches (1.22 m) from the edge of the pool.

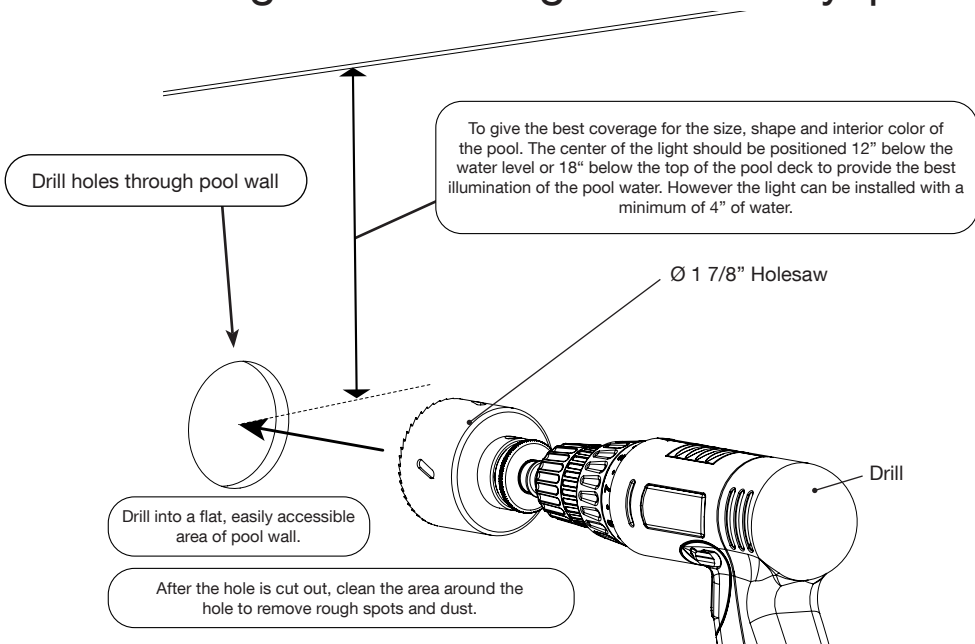
To be certain that the pool or spa electrical system meets all applicable requirements, the electrician should also consult the local building department.

CANADIAN INSTALLATION 1.5" WALL FITTING

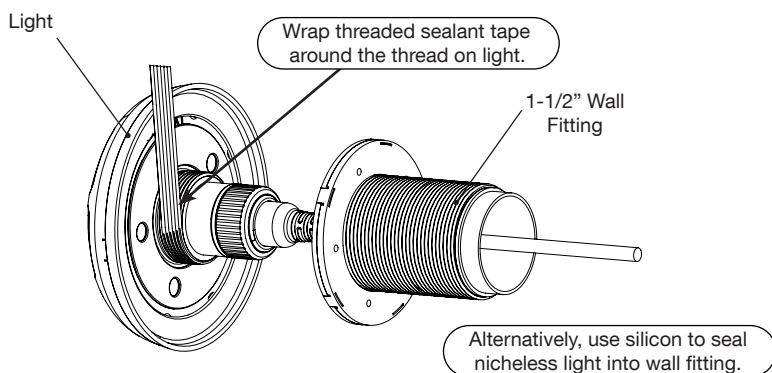
Be sure the electrical system of your pool conforms with the following requirements of the Canadian Electrical Code (CE), and all local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the light and (fixture-housing) is installed.

NICHELESS INSTALLATION

Drilling hole in fibreglass and vinyl pool

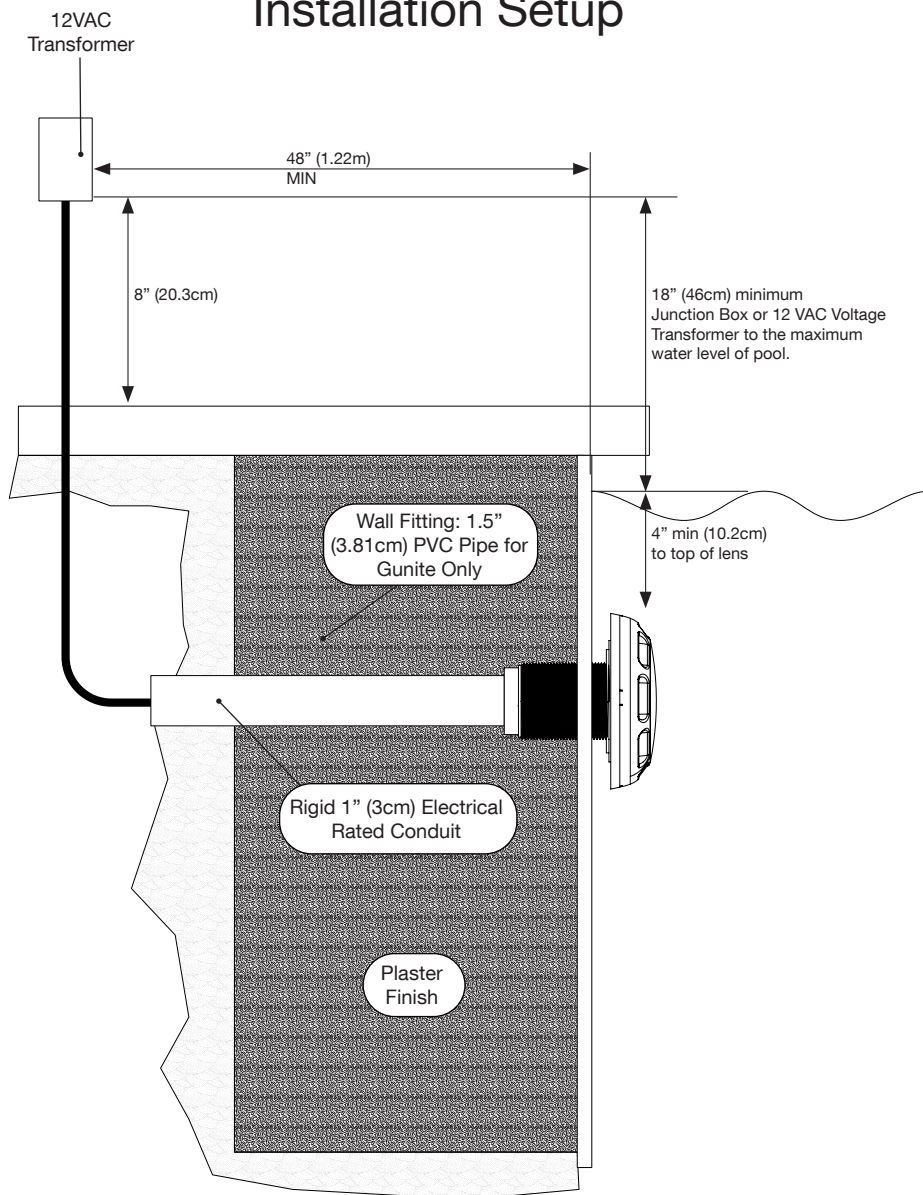


Sealing Nicheless Light into 1.5" Fitting



NICHELESS INSTALLATION

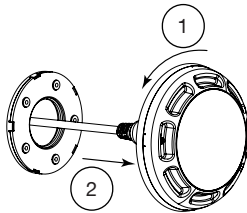
Installation Setup



NICHELESS INSTALLATION

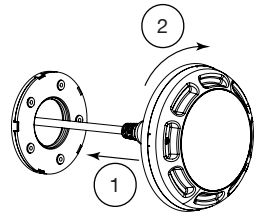
Removing and Installing Light

Removing Light



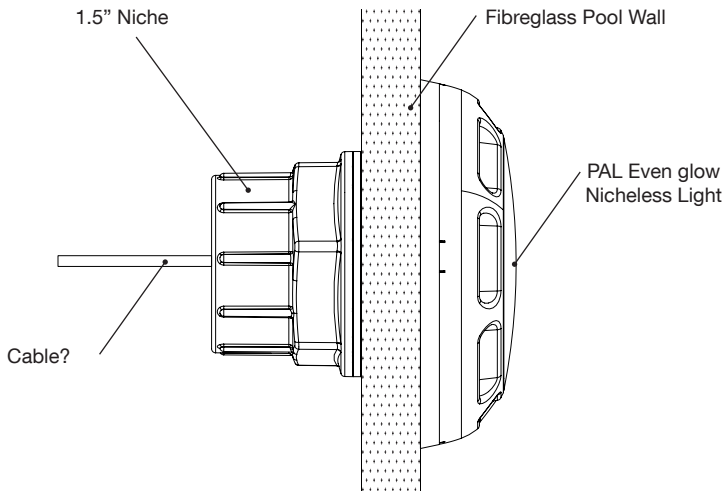
Twist light anti-clockwise to remove from nicheless fitting

Installing Light

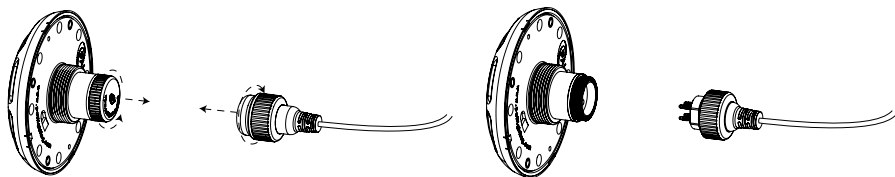


To install light, twist clockwise into nicheless fitting

Final Installation



CONNECTING TO LIGHT



Remove protective caps from plug and light socket by unscrewing.



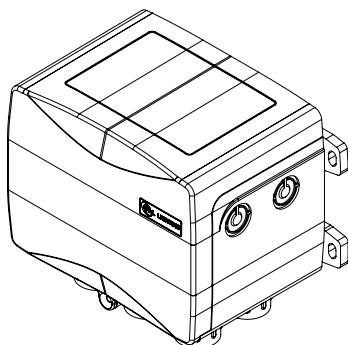
Insert plug into light and secure with screw-on cap.

CONNECTING TO DRIVER

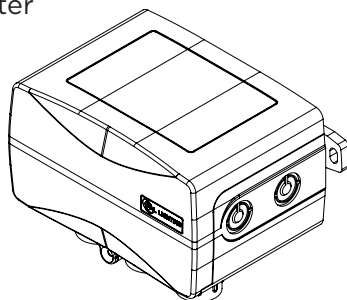
PAL COLOR TOUCH DRIVER

The Bubbler is powered by the PAL PCR-1Z / PCR-2Z Class 2 LED Driver
Refer to PCR-1Z or PCR-2Z for Detailed Installation Instructions.

64-PCR-2Z



64-PCR-1Z



PCZ-2 Transmitter



Switch 1	Switch 2	Switch 3	Switch 4	Mode
OFF	ON	OFF	ON	JANDY
OFF	OFF	OFF	ON	PENTAIR
ON	OFF	OFF	ON	HAYWARD
ON	ON	OFF	ON	PAL
OFF	OFF	ON	ON	ASTRAL

NOTE:

- Must turn off power before making DIP switch selection.
- When syncing PAL lights to other OEM lights, static colors will match but color change mode timing may vary.
- If the PAL Lights are to be used with Automation, do not use the handheld remote control and disconnect the Wi-Fi module from the board if so equipped.
- If the Automation does not turn the PAL lights on or off and there is power to the driver, press the S1 button one time to turn on the PAL Driver.
- Note that the PAL features of infinite color selection and dimmability are not available while in Cloned mode.

TROUBLESHOOTING

Model: 4 Wire Colour Touch Light

ISSUE	REASON	DIAGNOSE	ACTION
Light not turning on (1)	Faulty Globe.	Test RED, GREEN, BLUE using the mode button to determine if the light has dropped a color.	Replace Light Head.
Light not turning on (2)	Faulty Driver.	Check Driver output under load using a multimeter. 24volts DC.	Replace Driver.
Light not turning on (3)	Cut Cable.	Check the voltage on the pins of the plug to determine if there is 24volts DC.	Pull a new cable through (Make sure the conduit is not flooded and is completely dry before pulling cables).
Light not turning on (4)	No mains power to Driver.	Check Red indicator light at the driver to see if it has input power.	Contact a licensed electrician to assist.
Light not turning on (5)	Lights do not change colour.	Mains power is getting to the driver, but pressing the manual button does not switch lights on/off.	Replace driver.
Lights out of sync	One light is different color compared to other lights.	Test RED, GREEN, BLUE using the mode button to determine if the light has dropped a color.	Replace Light Head.
Lights not changing color	Lights incorrectly wired to LED lamp.	Check color coding at the terminal.	Rewire cables to correct terminals.
Handset will not operate	Stuck on colour.	Check manual button to determine if colors change.	Recode handset to driver.

TERMS AND CONDITIONS

PAL PRODUCT WARRANTY DETAILS

The PAL product is guaranteed against defects in materials and/or workmanship, under normal domestic use for (12) twelve months.

Except as otherwise provided for by law, this guarantee becomes invalid if in the opinion of the Company the product has been misused, abused, damaged in transit, incorrectly installed, or connected to an electrical supply not corresponding with the products specification or a non-approved PAL power supply.

The Company is not responsible for forwarding freight charges or losses in transit.

If any part of the product proves to be defective within the warranty period, the defective part will be repaired or replaced, free of charge and at the discretion of Bellson Electric.

Bellson Electric shall not be liable for any loss of profits or any consequential, indirect or special loss, damage or injury of any kind whatsoever arising directly or indirectly from Bellson Electric products. This limitation does not apply to any liability under the Australian or New Zealand consumer legislation.

PLEASE REGISTER YOUR PRODUCT WARRANTY DETAILS ONLINE AT:

www.bellson.com.au/register.htm OR You MUST retain some proof of purchase to provide evidence of the DATE of the original purchase.