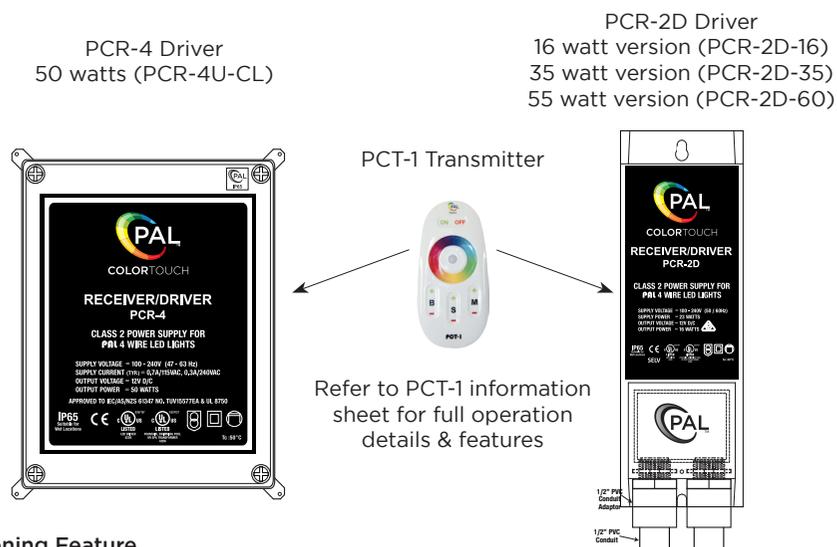


CONNECTING TO DRIVER

PAL COLOR TOUCH DRIVER

The PAL 64-EGB-FVS is powered by the PAL PCR-4/PCR-2D Class 2 LED drivers which are controlled by the PCT-1 remote control or optional Wi-Fi (when fitted). Refer to PCR-4 or PCR-2D for Detailed Installation Instructions.



Cloning Feature

DIP 1	DIP 2	CLONING DIP SWITCH SETTING
OFF	ON	JANDY
OFF	OFF	PENTAIR
ON	OFF	HAYWARD
ON	ON	PAL

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.

GUIDES AND WARNINGS

IMPORTANT INFORMATION:

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

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.

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

Be sure the electrical system of your pool conforms with the following requirements of the Canadian Electrical Code (CEC), CSA C22.1 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. Failure to do so could result in death or serious injury to service technician, pool users or others due to electrical shock.

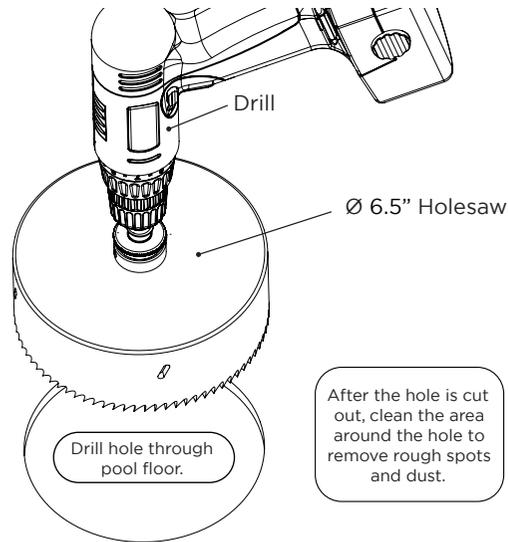


INSTALLATION FOR VINYL/FIBERGLASS POOLS

LIGHTING

Step 1. Drill Hole

- A.** Use a 6 1/2" hole saw in desired location for Bubbler Niche.
 - B.** The niche may be installed to the Fibreglass using marine grade epoxy or silicone to the bottom of the niche flange.
 - C.** Use provided gaskets only on vinyl installations. One on top, one on bottom of the vinyl.
 - D.** Screw nut up firmly. Make sure 'o' ring is installed.
- NOTE:** installing conduit on side - must put the nut on first.



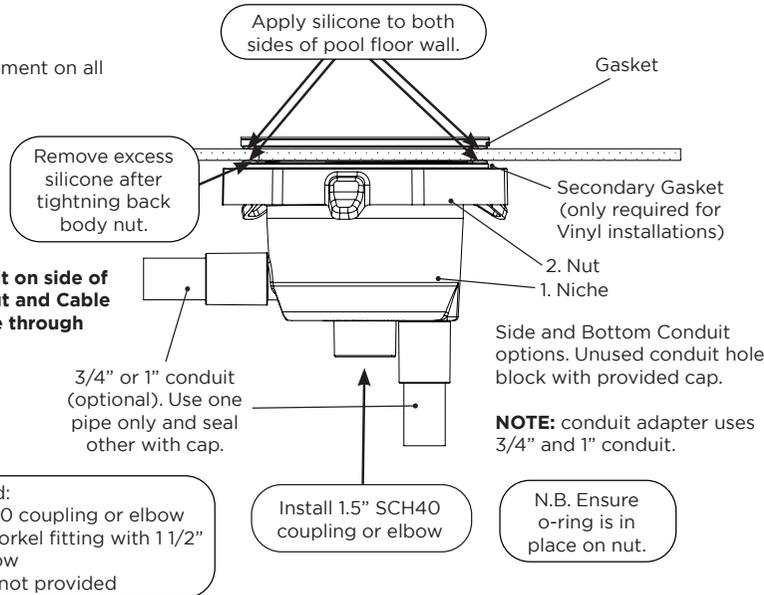
Drill into a flat, easily accessible area of pool floor.

After the hole is cut out, clean the area around the hole to remove rough spots and dust.

Step 2. Installing Niche

NOTE: use PVC solvent cement on all provided fittings.

NOTE: If installing conduit on side of niche - must put Wing Nut and Cable Seal before feeding cable through conduit.



2 pipe fittings provided:
 - small uses 1 1/2" SCH40 coupling or elbow
 - large uses optional Snorkel fitting with 1 1/2" SCH40 coupling or elbow
 *Snorkel and coupling not provided

Install 1.5" SCH40 coupling or elbow

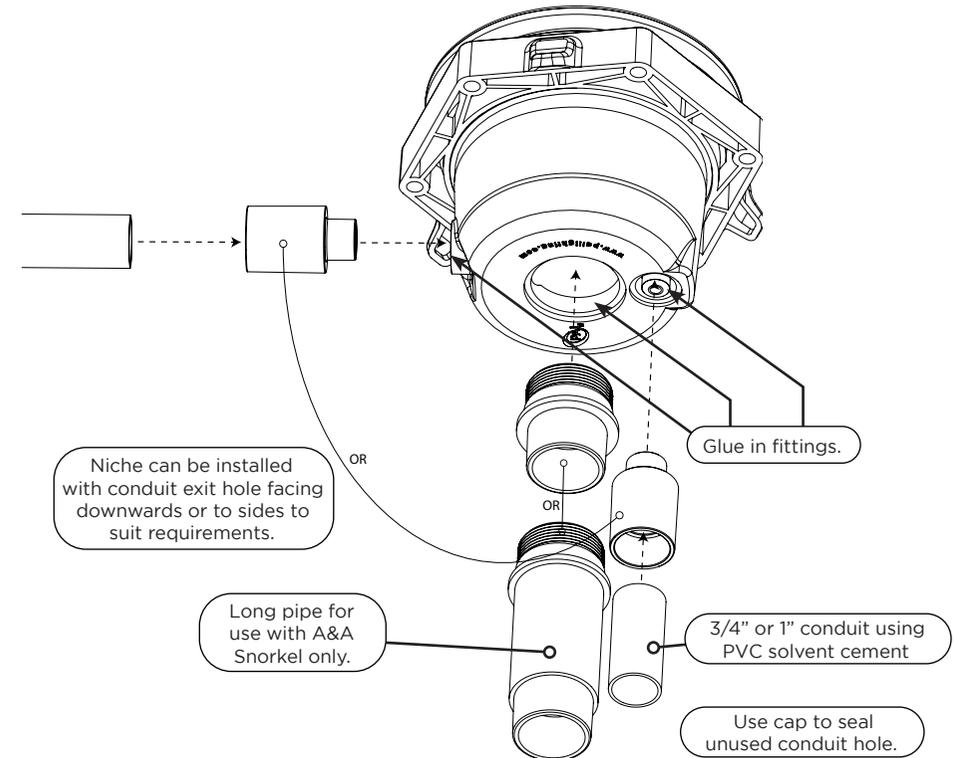
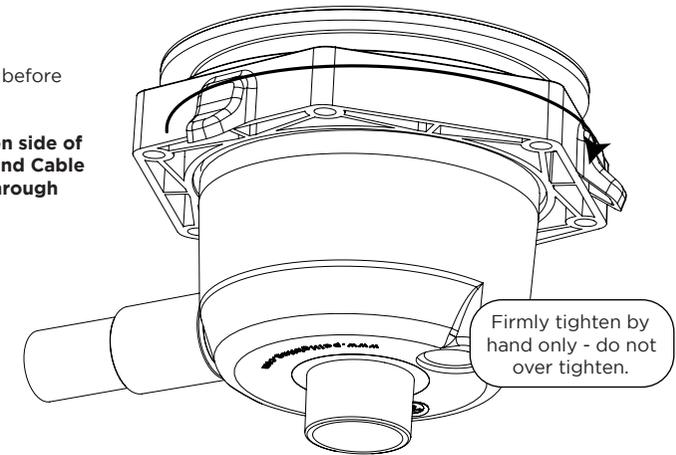
N.B. Ensure o-ring is in place on nut.

Except when the luminaire is installed in an area of the swimming pool that is not used for swimming and the lens is adequately guarded to keep any person from contacting it, the luminaire shall be installed in or on a wall of the pool, with the top of the lens opening not less than 457 mm (18 inches) below the normal water level of the pool. For supply connection, use only an isolating low voltage power supply with ungrounded output, evaluated for swimming pool use.

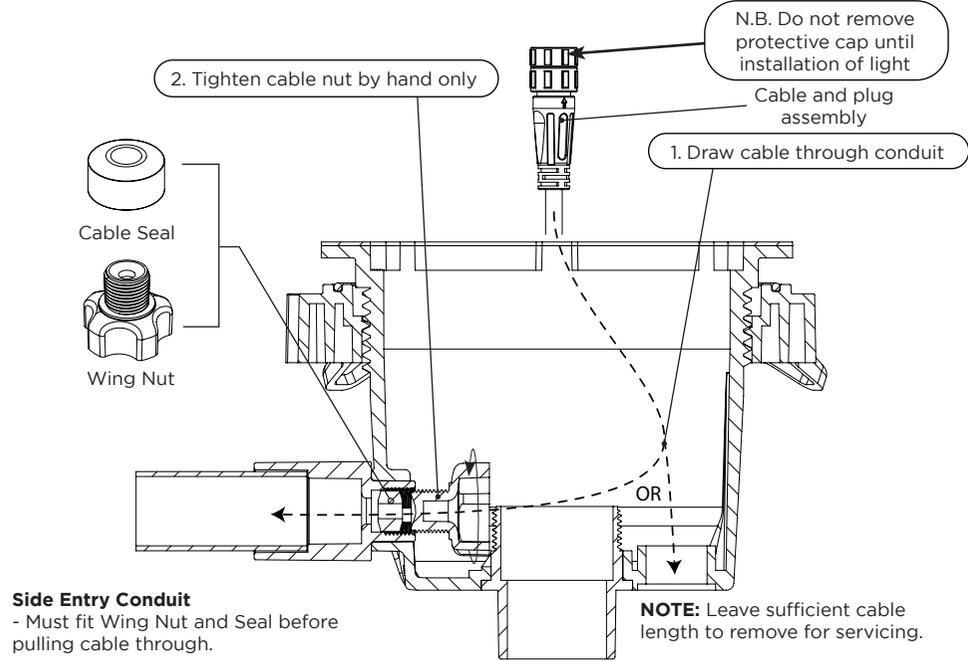
Side Entry Conduit

- Must fit Wing Nut and Seal before pulling cable through.

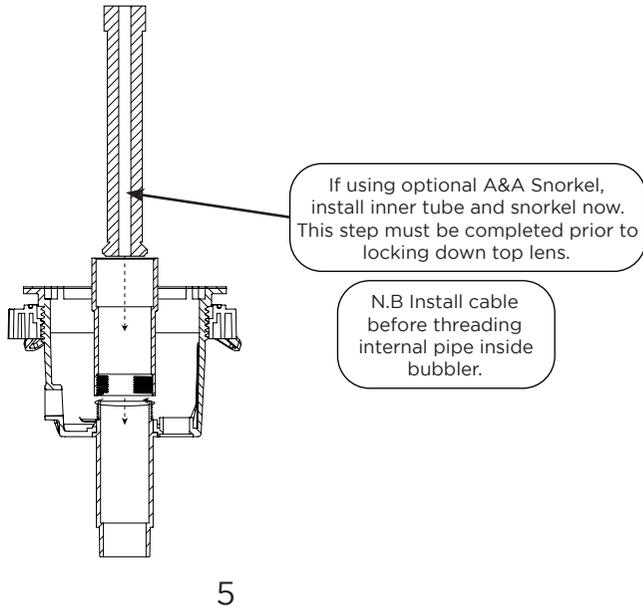
NOTE: If installing conduit on side of niche - must put Wing Nut and Cable Seal before feeding cable through conduit.



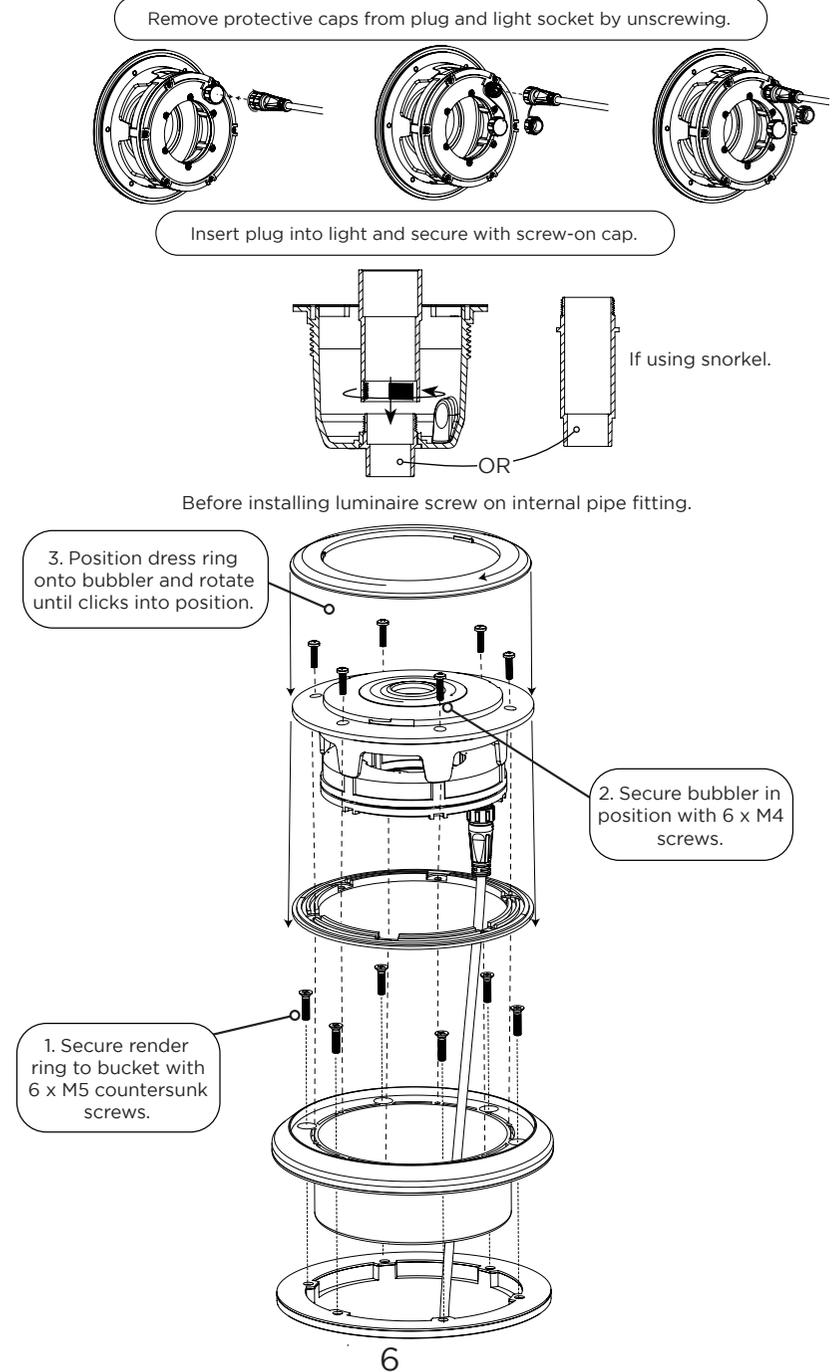
Step 3. Installing Cable



Side Entry Conduit
- Must fit Wing Nut and Seal before pulling cable through.



Step 4. Installing Luminaire



TROUBLESHOOTING

Model: 4 Wire Evenglow Light

ISSUE	REASON	ACTION
Light not turning on (1)	Faulty Globe.	Replace Globe.
Light not turning on (2)	Faulty Driver.	Check Driver output under load using a multimeter. 12volts DC.
Light not turning on (3)	Cut Cable.	Check the voltage at light using a multi-meter.
Light not turning on (4)	Driver not connected to GPO or switched on.	Check Driver is connected to power, check power indicator LED is lit on your Driver. If still no indicator light, send back to PAL for repair.
Light not turning on (5)	Faulty LED Driver inside control box.	Push the test button inside control box, if lights still doesn't turn on then send product back to PAL.
Lights out of sync (1)	Light incorrectly wired to control box.	Check color wire sequences connecting to control box.
Lights out of sync (2)	Lights incorrectly wired to LED lamp.	Check color sequences to LED lamp terminal block inside the light.

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.

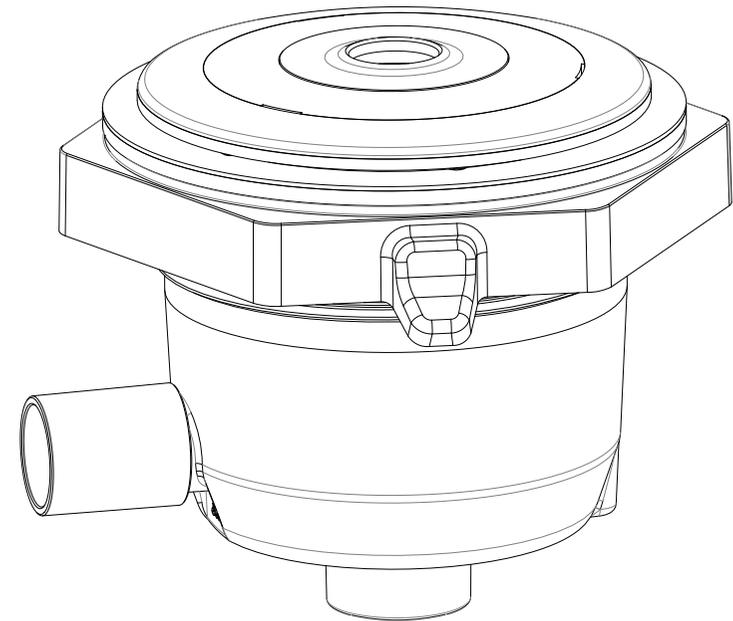
PLEASE REGISTER YOUR PRODUCT WARRANTY DETAILS ONLINE AT:
www.bellson.com.au/register.htm

OR You MUST retain some proof of purchase to provide evidence of the DATE of the original purchase.



LIGHTING

NICHE BUBBLER INSTALLATION



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