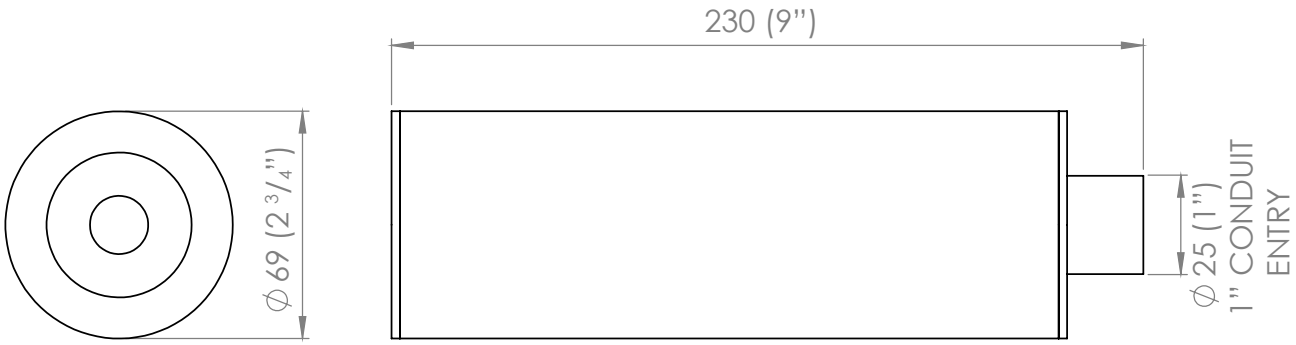
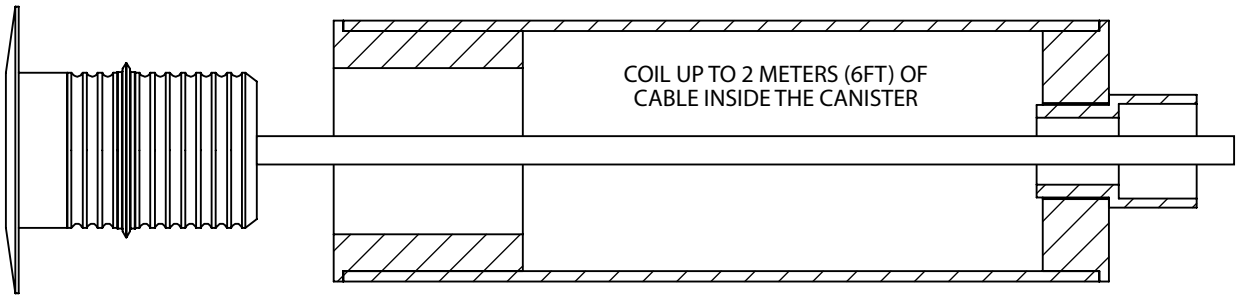
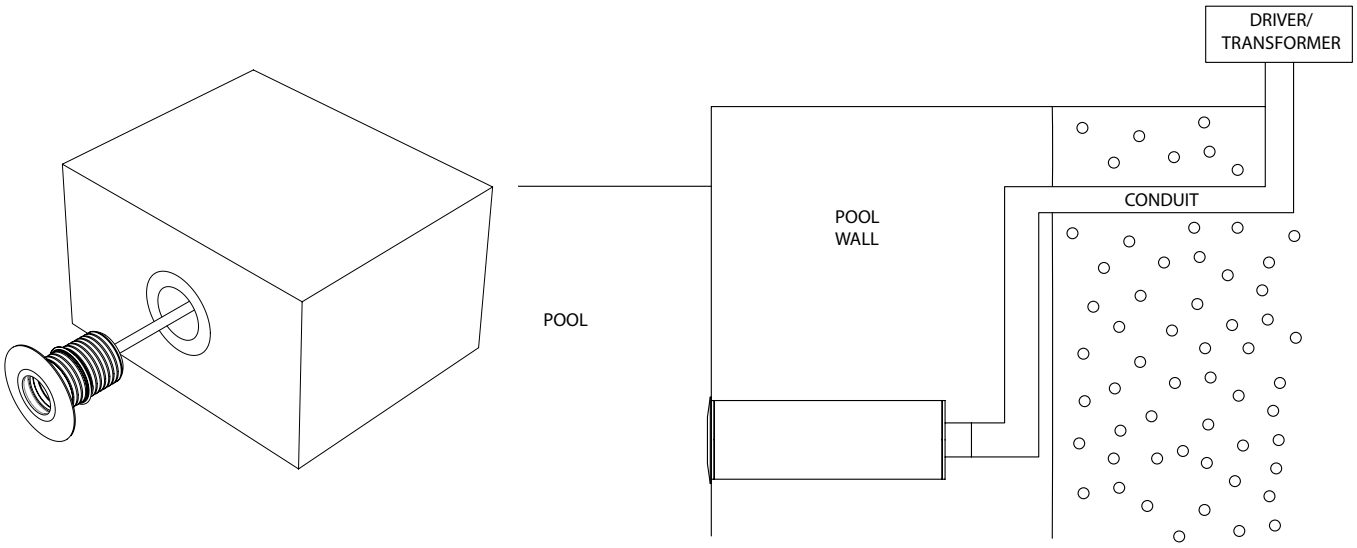
LuxR PVC CANISTERS

M2 & M4 RECESSED POOL CANISTER INSTALLATION GUIDE







THESE PRODUCTS ARE LOW VOLTAGE, TWO CONDUCTOR
WET NICHE LED SWIMMING POOL AND SPA LUMINAIRES
FOR USE WITH AN ISOLATED LOW VOLTAGE POWER
SUPPLY FOR POOL USE.

LUXR RANGE PVC CANISTER

NOTE: THESE INSTRUCTIONS MUST NOT CONTRAVENE YOUR LOCAL ELECTRICAL AUTHORITY REGULATIONS, WITH WHICH ALL INSTALLATIONS HERE IN MUST COMPLY

Existing Installations - Cut an appropriate sized hole in the mounting surface for the canister using the dimension guide to the top of this page. Apply epoxy/concrete in the hole and fix the canister in place. The flange should then recess flush with the mounting surface.

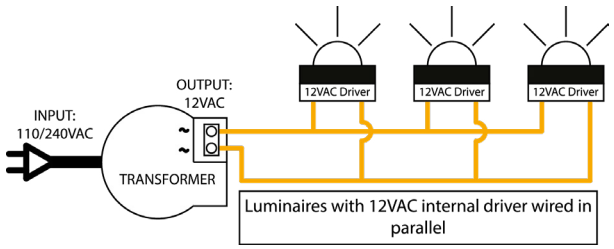
New Installations - Apply PVC cement to the canister and roll it in sand, this creates a key for the plaster/cement to adhere to the canister. Attach the PVC canister to the metal reinforcing. The canister is then plastered/concreted into position completely encapsulating the PVC canister on all sides except the opening where the luminaires fit. The flange should then recess flush with the mounting surface.

All recessed LuxR fixtures come with a conduit seal. Once the canister is fixed in place and the electrical termination complete. Simply push the fixture into the canister. The conduit seal will hold it firmly in place.

LuxR PVC CANISTERS

INTEGRAL DRIVER + TRANSFORMER

In a parallel circuit all the positive connections are tied together and back to the positive output of the LED driver and all the negative connections are tied together and back to the negative output of the driver. The integral driver option allows LuxR fittings to be wired in parallel to existing or new installations where a wire wound or magnetic transformer is being used.



RECOMMENDATION

LuxR can provide a pool and pond transformer for this product in the USA. Please visit our website for details.

M4 USA POOL LIGHT

The M4 luminaire range is powered by a 4 watt LuxR light engine that offers a wide choice of LED colours. The luminaire was developed to meet the challenge of delivering high quality practical accent lighting with maximum energy efficiency and a long, maintenance-free life.

All LuxR luminaires offer a replaceable LED system using Cree LED chips for maximum performance and long life. Precise LED binning by Cree ensure the same colour temperature across all our luminaires which allows LuxR products to be situated close to one another without the fear of colour variance in the colours.

This luminaire is extremely tough, durable and waterproof, making it ideal for installation in public spaces, large-scale projects and residential areas.

REPLACING COMPONENTS

Firstly remove the luminaire from its recessed location. Unscrew the flange paying close attention to the assembly order or refer to the diagram below. Locate the item that needs to be replaced, it is imperative you replace the component with factory LuxR parts to ensure correct operation of the luminaire. When reassembling make sure all the components are in their correct order to ensure water tightness and correct light output.

316 STAINLESS STEEL PROPERTIES

Please read the following carefully, this is to bring to your attention to a number of important points pertainingto the properties of 316 stainless steel.

1. 316 Stainless is suitable for use in water with a level of Chlorine (which is dissolved gas in water) of up to 3 parts per million. The chlorine is there to inhibit biological build up in the water.

2. 316 Stainless is suitable for use in water with a level of chloride of up to 1000 parts per million and a pH level of 7.

3. The corrosion factor may double for each 10 degrees of water temperature increase.

4. In the first week after the pool is filled the chemical concentration is often increased to over five times normal level. After the first week the chemicals are allowed to return to normal levels. Therefore corrosion of the luminaire is likely to be severe during this period. This can be averted by removing the luminaire from its mounting canister and placing it out of the water until the chemical level returns to normal.

5. If corrosion occurs and it is not severe the staining may be removed with fresh water and detergent, if the detergent does not remove the staining then a product such as Jenolite can be used. Jenolite is a phosphoric acid solution and should be used with caution! The manufacturers recommendations must be followed carefully.

6. If you are not certain that the chemical level will remain below the specified levels stated above after the initial set up period an electropolished version is available. Electropolishing may increase the corrosionresistance of the luminaire by 33%.