

## LUXR MICRO, ONE, TWO AND FOUR INSTALLATION INSTRUCTIONS

To preserve the validity of your warranty and ensure long term performance of your LuxR products, it is critical to follow the correct installation procedures.

The installation of the LuxR range luminaires must be carried out by a suitably qualified person in accordance with local and/or international standards. When working on an electrical system all precautions should be taken to prevent electrical shock.

The H05RN-F or SJOOW cable provided is UV stabilized and rated to IP68 ingress protection and is suitable for direct burial, however it is recommended that all low voltage cables be run in flexible conduit for extra protection. Where extra cable is required, source the equivalent cable from your local supplier. For a valid IP68 connection, all insulation layers need to be appropriately sealed.

The LuxR range is designed to be connected in series to a remote constant current driver if no LuxR integral driver is fitted. Or in parallel to a 12vAC power supply where a LuxR Integral driver is fitted.

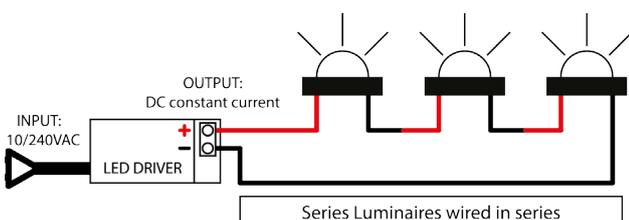
When connecting the LED fixture careful attention should be paid to the polarity.

Where NO LuxR Integral driver is fitted the following applies:

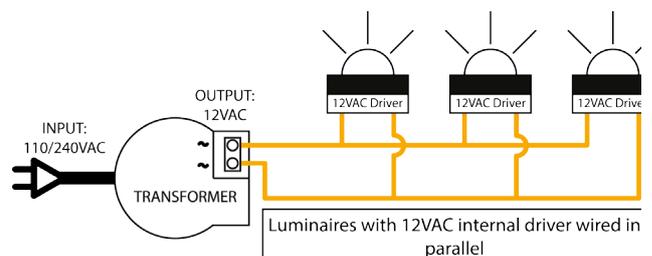
The LuxR Micro range are to be connected to a suitable and approved  $\leq 350\text{mA}$  constant current driver.  
 The LuxR 1 range are to be connected to a suitable and approved  $350\text{mA}$  constant current driver.  
 The LuxR 2 range are to be connected to a suitable and approved  $700\text{mA}$  constant current driver.  
 The LuxR 4 range are to be connected to a suitable and approved  $700\text{mA}$  constant current driver.

When the driver device has been switched off there is a residual voltage, which can be apparent for up to 10 minutes. Connecting LEDs to a driver device within this time, without first discharging the secondary output will damage the LEDs. To prevent damage of the LED, ensure that the circuit is switched off and the driver is not live before connecting any LEDs.

Please confirm fixture type which is mentioned on the cable label before connecting fixture



Series wiring schematic (No integral driver)



Parallel wiring schematic (Integral driver)

## LED module replacement:

The LuxR range feature replacement LED engine modules. In order to carry out this operation, the luminaire must be switched off, and the flange unscrewed paying special attention to the correct order of assembly. A 2mm hex key will be required to unscrew the retaining screws, then the LED engine can be removed. The Micro LED engine differs slightly and is a simple push fit. A tiny dab of thermal paste on the back of the new LED engine is all that is required to prepare the mating surface. Fitting is simply a reversal of the disassembly process. Avoid touching the LED dome. New lubricated O-rings should be used to ensure the IP rating is maintained.

## Integral driver module replacement:

The M2 and M4 range feature an optional integral driver module. In order to carry out this operation, the luminaire must be switched off, and the LED removed by following the instructions above. Using a Park Tool Cluster Spanner (pictured below) or a set of Circlip Pliers allows the plug to be unscrewed from the body. These tools can be purchased on websites such as EBAY or from local hardware stores. Once unscrewed the driver can then be withdrawn by pulling on the cable. Fit new lubricated O-rings to ensure the IP rating is maintained. Insert the replacement driver module into the two locating holes. Lastly, screw the plug back on using the reverse method.

## Seals:

When removing and disassembling any LuxR product, you must replace all the seals with the correct lubricated O-rings to ensure IP rating is maintained:

MM: Consult your LuxR distributor for proprietary silicone seals

Typical M1: Size AS568-117 Silicone 70, ALL

Typical M2: Size AS568-124 Silicone 70, ALL

Typical M4: Size AS568-124 Silicone 70, ALL



## Care and Refinishing:

LuxR recommends the following cleaning methods only, if you are unsure of what finish you have please get in touch with LuxR.

Do not use bleach, concentrated cleaners or solvents under any circumstances.

Powdercoated Finishes: Wipe gently with a soft damp cloth or chamois. Do not use abrasive compounds.

Stainless Steel: It is important to clean stainless situated outdoors regularly with a soft brush, diluted detergent and warm water. Do not use bleach based cleaning products with abrasive properties on stainless steel.

Copper products will age naturally and will patina over time, it is not necessary to clean these materials frequently. When they do require cleaning, wipe them with a damp cloth. Do not use abrasive or polishing compounds.

Do not water blast/pressure blast fixtures.