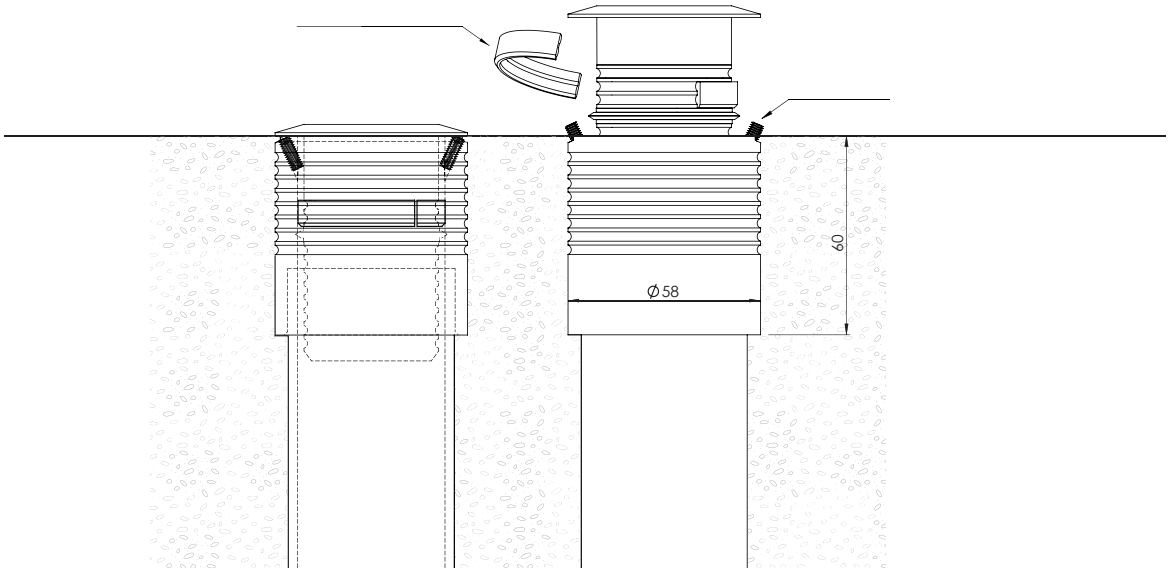
M2 & M4 SECURITY CANISTER INSTALLATION GUIDE



M2 & M4 SECURITY 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 a 58mm or 2 1/4" core drill, a neat hole can be accurately cut in the concrete, and you can be assured that it will be perpendicular to the surface. The Security Canister can be either chemset into place with a suitable concrete epoxy or urethane caulk into a prepared hole.

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.

Route the wiring out of the hole and thread through the canister bore. Set the canister in place and allow to cure fully.

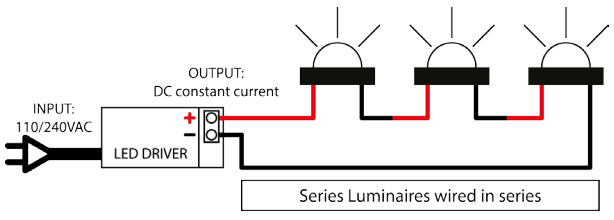
Insert the two set screws and give them a few turns each only. Leave the hex key positioned in one of the screws for now. Insert the two collets around the luminaire body above the conduit seal (SEE ABOVE). Press the luminaire and it's conduit seal into the security canister until the flange rests against the hex key. The collets will now be retained deep inside the canister. Tighten both set screws until they stop, then back off each screw half a turn.

Press the Luminaire fully home to it's final position. Removal is a reverse of this procedure and cannot be achieved without the correct hex key and a knowledge of the collet system that retains the luminaire.

Additional length of 50mm PVC conduit can be added to the security canister. Use a suitable PVC cement glue.

REMOTE DRIVER WIRED IN SERIES

Often referred to as series wiring the current in a series circuit follows one path from start-to-finish with the positive of the second LED connected to the negative of the first. Series wiring allows a single driver to be mounted remotely, powering a number of series fittings. Often the most simplest of wiring schemes as each fitting is connected to the next in a daisy chain. It removes the need for a smaller 12 volt driver in each fitting.



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.