


## CYRO FLUSH IP44

### INSTALLATION INSTRUCTIONS

These instructions are provided for your safety.

Please read them carefully before commencing work and retain them for future reference.

### SAFETY INFORMATION

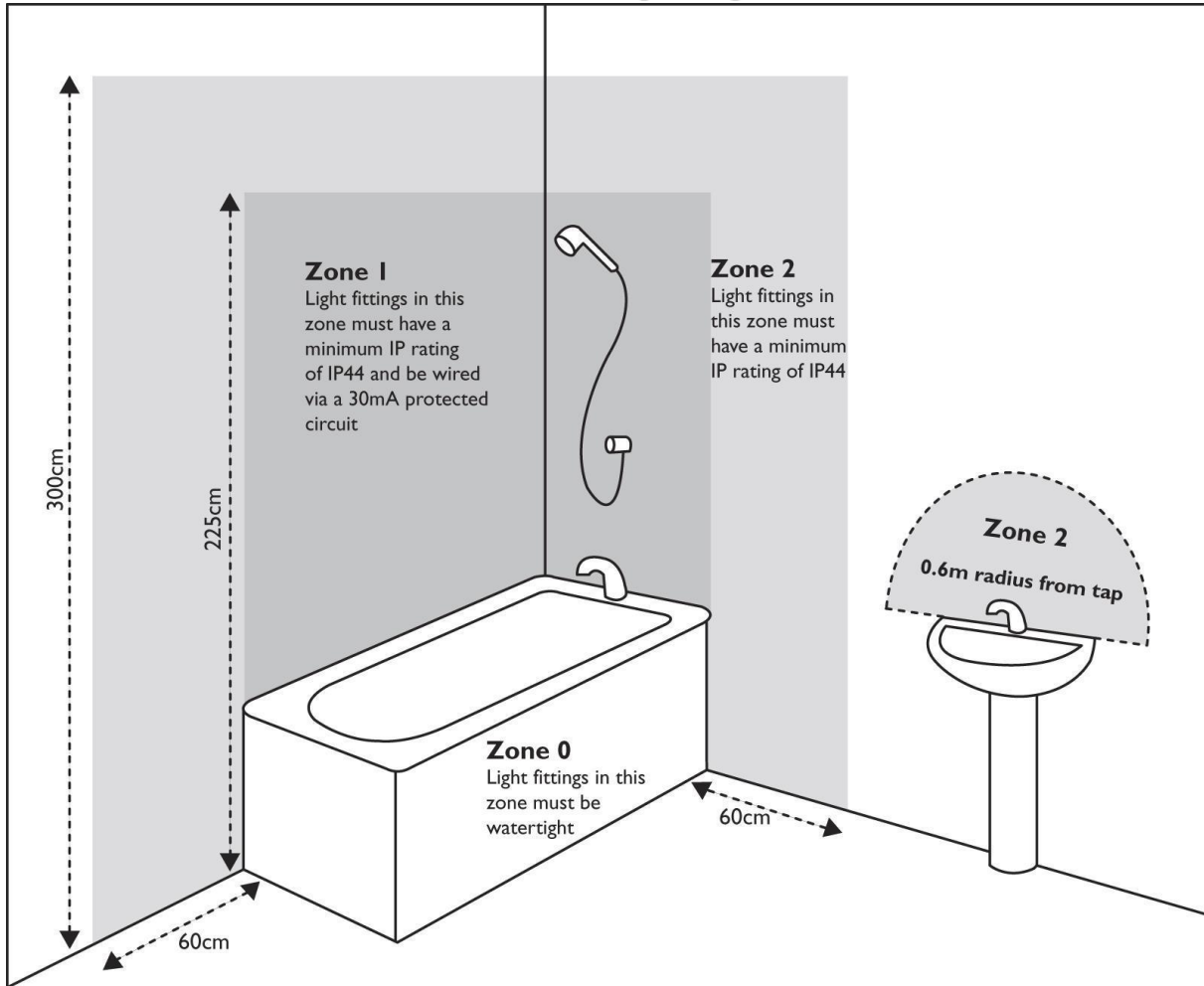
- \* We recommend any electrical wiring in the bathroom is carried out by a qualified electrician. All wiring must comply with the current edition of the IEE wiring regulations and relevant Building Regulations.
- \* This fitting is rated IP44 and is suitable for use in Zone 1 of a bathroom when fitted in accordance with IEE wiring regulations (see diagram overleaf).
- \* To prevent electrocution switch off at the mains supply before installing or maintaining this fitting. Ensure other persons cannot restore the electricity supply without your knowledge.
- \* If you are in doubt please consult a qualified electrician.
- \* To avoid damage to concealed wiring during installation, establish the direction of the supply cable before drilling fixing holes.
- \* This fitting should be fitted to a lighting supply with protected 5 amp fuse or equivalent circuit breaker.
- \*  **NOT** suitable for mounting on normally flammable surfaces.
- \* Always be sure to use the correct type and wattage of bulbs as indicated on the fitting. Never exceed the wattage stated.
- \* When changing the bulb, always switch off at the mains and allow the old bulb to cool down before handling. Dispose of used bulbs carefully.

### INSTALLATION

1. Ensure the house electricity supply is off at the fuse board.
2. To ensure the connections to the light remain waterproof to IP44 the connections must be made with the rubber covered IP44 connector block supplied with the fitting. A single 3 core cable (switched live, neutral and earth) must be run from the connections inside the ceiling void to the fitting. This must then be connected to the fitting with this IP44 connector block. (In most houses there will be 3 or 4 sets of cables connected together inside the ceiling rose which will not fit inside the IP44 connector block, see 3 below).
3. If you are fitting this unit in place of an existing ceiling rose, you may find that there are more than 3 sets of cables connected within the rose. Before removing the existing rose, carefully note the position of each set of cables. If there are loop in cables that are permanently live, and are not connected to the light these must be terminated in a separate terminal block not connected to the fitting.
4. Ensure the cable from the fitting passes through the grommet in the backplate ensuring it makes a good watertight seal around the cable.
5. The weight of the fitting must be supported whilst you make the electrical connections.  
Slide one half of each side of the rubber connector cover over each end of the incoming and outgoing wires.  
Connect the supply live (normally brown or red) to terminal block marked 'L' or brown wire on fitting.  
Connect the supply neutral (normally blue or black) to terminal block 'N' or blue on fitting.  
Connect the supply earth (normally unsheathed or green/yellow) to terminal block marked '⏚' on fitting.  
Ensure electrical connections are tight and no loose strands of wire are left out of the connector block.  
Slide the rubber boots over the connector block to provide a watertight seal.
6. Push the covered connector block inside the ceiling void and fix the ceiling plate to the ceiling using suitable screws. Ensure that the screws are fixed firmly into the ceiling joist and not just the plaster. The heads of the screws must be sealed with the small rubber washers included in the screw pack to prevent water ingress into the fitting. **Take care not to trap or damage wiring.**
7. Fit the bulb type and wattage as indicated on the fitting.
8. Ensure the rubber seal is correctly positioned inside the fitting to seal against the glass.
9. Offer the glass up to the backplate and twist clockwise until securely located.
10. Switch on the electricity supply at the fuse board.

### GENERAL INFORMATION

This fitting is designed for internal use only and must be fitted to a DRY SURFACE as any dampness in plaster or paint can damage the finish. **Do not use polish or abrasive cleaner - just a soft dry cloth.**



## This light is IP44 making it suitable for Zones 1 and 2

### IP44 CONNECTOR BLOCK

The rubber boots on the connector block will provide a watertight seal to IP44 if connected as below.

1. Separate the two halves of the boot by cutting the spur connecting them with scissors or a knife.
2. Cut the ends off the rubber boots with sharp scissors or a knife to reveal a suitable size hole depending on cable being used. The boot must be a tight fit around the insulation of the cable to ensure a watertight seal. It is therefore important not to cut the boots back too far. If you should cut back the boot too far the wire entry can be sealed with silicone mastic after step 8 below.
3. If single strands of cable are being used these can be pushed through the top side wall of the boot through the three depressions. (As shown).
4. Slide each boot backwards over each end of the cables.

5. Cut back the insulation on the wires as shown.
6. Make connections in the connector block ensuring they are tight and no loose strands are left out of the connector block.
7. Slide both boots back along the cable towards the connector block.
8. Push the two halves of the boots together so the arrows on the top of the boot are in line. Fully engage the ribs in order to create a good watertight seal. The halves are fully engaged when the front edge of the outer boot is hard up against the stop on the inner boot.
9. Take care to ensure the two halves of the boot are not pulled apart when the fitting is finally fitted.

