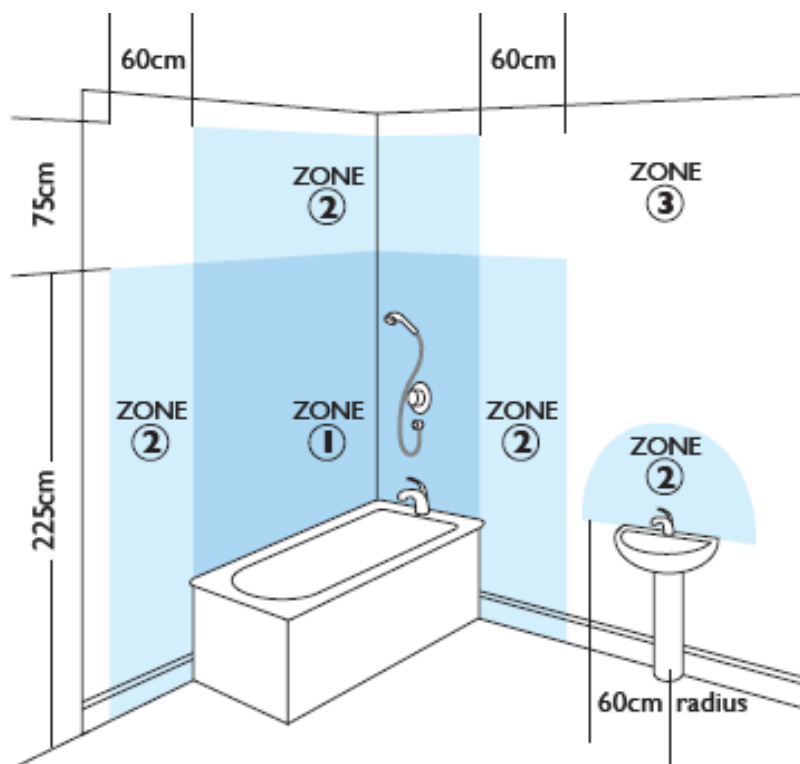


Bathroom Lighting Technical Information

When choosing lighting for bathroom/shower room areas, it is very important to ensure you select products, which have the appropriate Ingress Protection (IP) rating. The IP rating is always followed by two characters which represent the level of protection. It is important that you choose fittings with the correct rating according to where they are to be situated in a bathroom or shower room.

The following is not an installation guide and so it is important that reference should be made to the IEE Wiring Regulations (16th Edition).

The diagram below shows a bathroom which has 4 clear zones 0, 1, 2 and 3



Zone 0 is inside the bath or shower area itself. Any fitting used in this zone must be low voltage, (max 12v) and be rated at least **IP67** which is total immersion proof.

Zone 1 is the area above the bath to a height of 2.25m from the floor. This zone has a minimum rating of **IP44**. If the fitting is 240v a 30ma residual current device (RCD) must also be used to protect the circuit zone.

Zone 2 is an area stretching 0.6m outside the perimeter of the bath and to a height of 2.25m from the floor. In this zone an **IP44** or above is required. We would also recommend that the area around a wash basin, within a 60cm radius of any tap should also be rated as IP44.

Zone 3 is anywhere outside zone 0, 1 and 2 (subject to specific limits) and where no water jet is likely to be used. No IP rating is required.

We would also remind you that if there is a likelihood of water jets being used for cleaning purposes in zones 1, 2 and 3 a fitting rated a minimum of IP65 must be used.

Finally, we would always recommend that you check with a qualified electrician when choosing electrical fittings to ensure that reference is made to the latest copy of the IEE Wiring Regulations.