

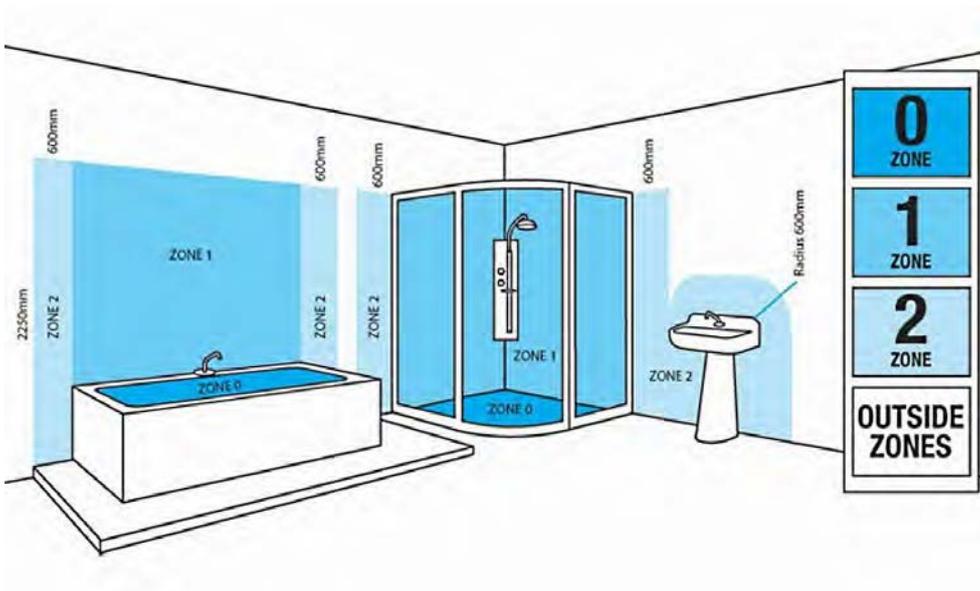
## Illuminated Bathroom Mirrors and Clearview Pads

Our illuminated bathroom mirrors and Clearview demister pads are suitable for Zones 2 & 3. Use this zone information with the details on this page to help you. The bathroom is divided into zones that tell us where certain light fittings can be installed. The two images, shown to the left, demonstrate the four current zones of a typical bathroom.



## Illuminated Bathroom Mirrors and Clearview Pads: Current Zone Regulations

Please read below the definitions of each zone.



**Zone 0** is inside the bath or shower itself. Any fitting used in this zone must be low voltage, (max 12V) and be rated at least IP67 which is total immersion proof. (We do not currently have any fittings that are suitable for Zone 0).

**Zone 1** is the area above the bath to a height of 2.25m from the floor. In this zone a minimum rating of IP44 is required. If the fitting is 240V a 30ma residual current device (RCD) must also be used to protect the circuit in this 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 IP rating of at least IP44 is required. In addition, it is good practice to consider the area around a wash basin, within a 60cm radius of any tap to be considered as zone 2.

**Zone 3 or Outside Zones** is anywhere beyond zones 0, 1, and 2 (subject to Specific limits) and where no water jet is likely to be used. No IP rating is required. In addition to the above, if there is a likelihood of water jets being used for cleaning purposes in zones 1, 2 and 3, a fitting rated a minimum IP65 must be used.

### I.P. Ratings Explained

IP rating stands quite literally for 'Ingress Protection' An IP (Ingress Protection) number is used to specify the environmental protection of enclosures around electronic equipment.

These ratings are determined by specific tests. The IP (Ingress Protection) number is composed of two numbers, the first referring to the protection against solid objects and the second against liquids. The higher the number the better the protection i.e IP54, IP65 etc (see below)



# IP RATING CHART

IP stands for Ingress Protection and is formed with two numbers: IPXX. The two numbers refer to two separate levels of protection.

IP      

The first digit shows the level of protection against solid objects.

The second digit shows the level of protection against liquids.

Digit	Description	Icon
0	No protection	
1	Protected from solid objects bigger than 50 mm diameter (hands/large tools)	
2	Protected from solid objects no bigger than 12.5 mm diameter (hands/large tools)	
3	Protected from solid objects bigger than 2.5 mm diameter (small tools/wires)	
4	Protected from solid objects bigger than 1.0 mm diameter (wires)	
5	Sufficient protection from entry of dust that could interfere with equipment.	
6	Complete dust protection. (No ingress of dust)	
0	No protection	
1	Protected against vertically falling water drops	
2	Protected against vertically falling water drops when at a 15° angle	
3	Protected against water spraying up to 60° on either side	
4	Protected against water spraying at any angle	
5	Protected against water jets from any direction (hose pipes)	
6	Protected against powerful water jets or heavy seas	
7	Protected against temporary submersion in water (up to 1 metre for 30 mins)	
8	Protected against continuous submersion in water	
9	Complete protection from high pressure water from any direction	

**FOR EXAMPLE...**

