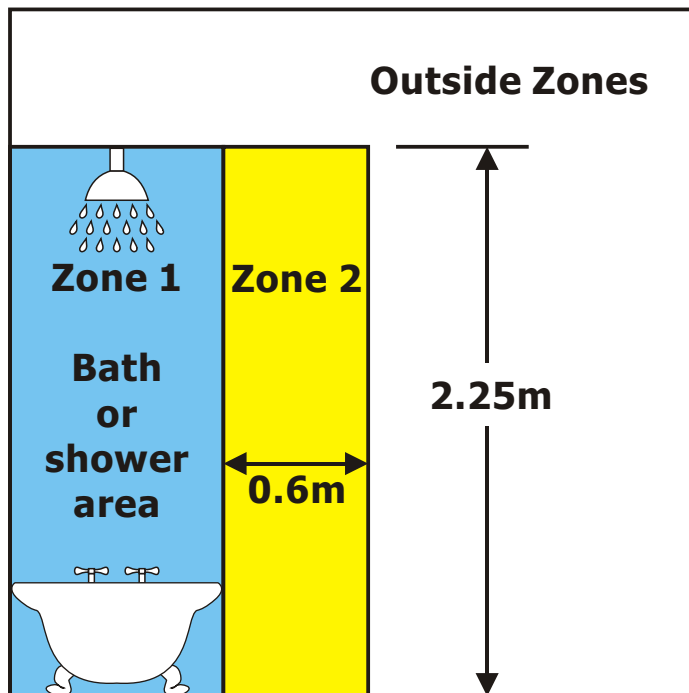


## REQUIREMENTS BASED ON REGULATIONS FOR LUMINAIRES IN AREAS CONTAINING A BATH OR SHOWER

For the purpose of defining the regulations, the bathroom is divided into two zones as shown below. In any room containing a bath or shower, protection by a RCD (Residual Current Device) of 30 mA with a response time of 0.4 seconds is required for each circuit.



### Zone 1

The area above that defined by the perimeter of the bath or shower tray.

Only fittings supplied from a remote 12V transformer and having a minimum rating of IPx5 are recommended.

### Zone 2

Area adjoining bath or shower tray.

Outside the perimeter of the bath or shower up to a distance of 600mm, fittings with a minimum IPx4 rating are required, either mains or low voltage.

### Outside of Zones

The remaining area of the bathroom beyond Zone 2.

In this area any mains or low voltage luminaire can be used if protected by an RCD.

Only bath or shower areas are relevant in these regulations - washbasins are not.

If water jets are used (this does not include shower heads), then IP55 is required.