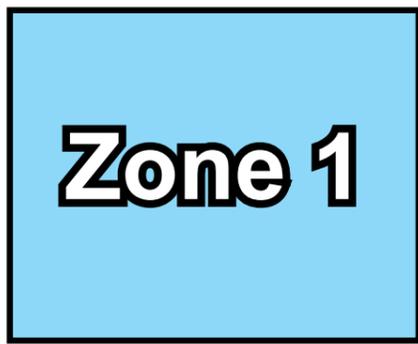


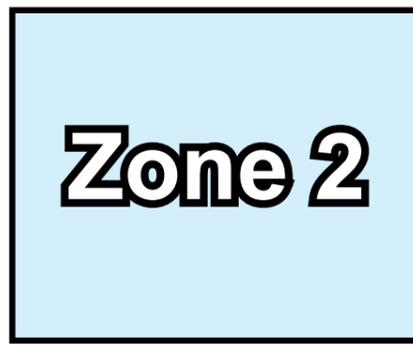
# KNOW YOUR IP?? ZONES



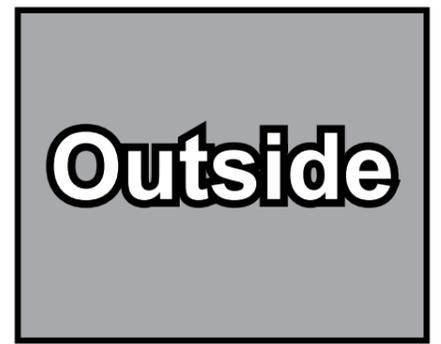
IP68 - Submersable



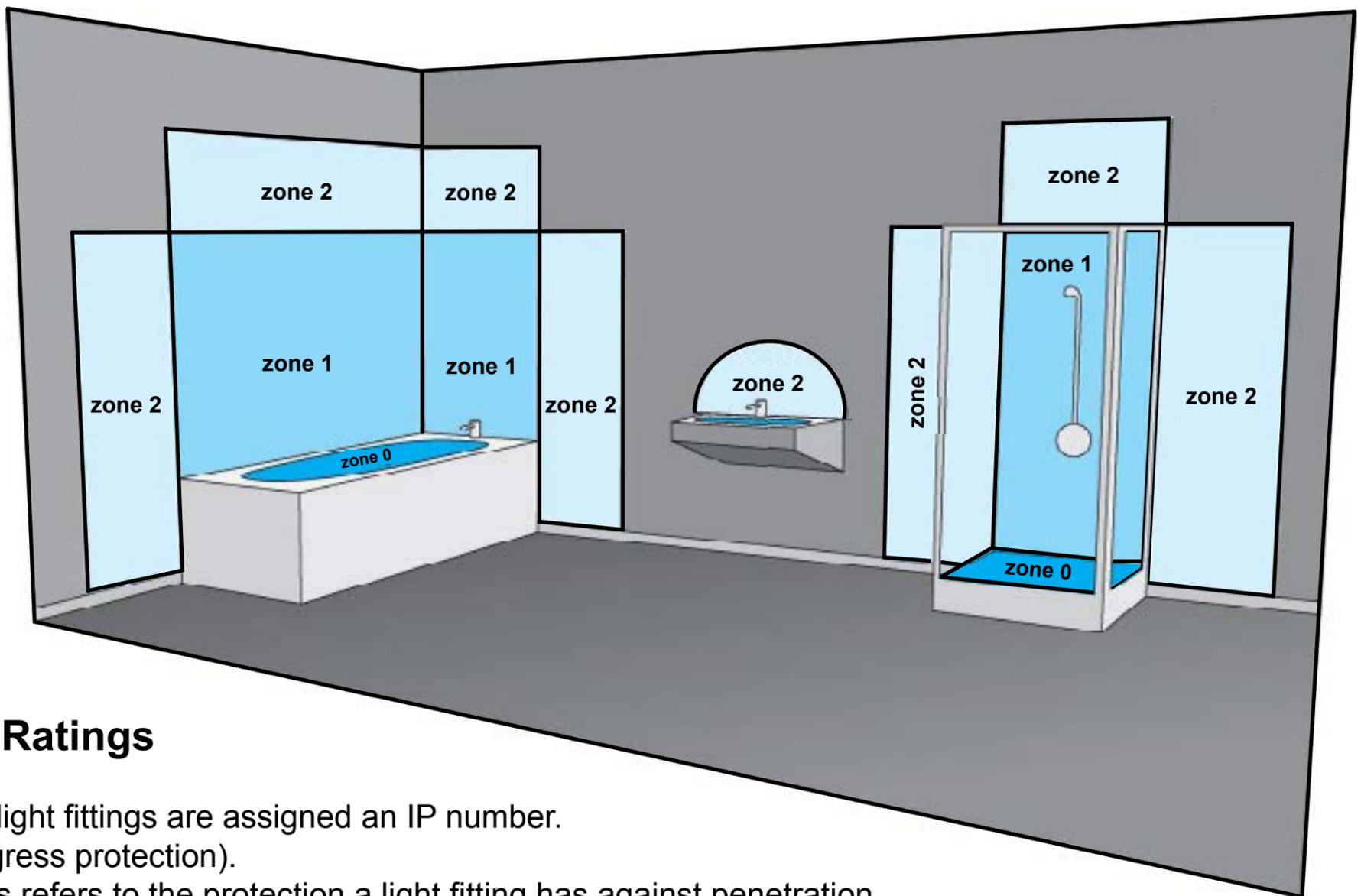
IP65 - Waterproof



IP44 - Splashproof



IP20 - Steamproof



## IP Ratings

All light fittings are assigned an IP number. (ingress protection).

This refers to the protection a light fitting has against penetration

So in Zones 1 and 2 a minimum of **IP44** is required

### IP RATINGS AND OUTDOOR FITTINGS

Fittings which are intended to be used outdoors should have IP ratings which make them suitable for their intended use / location.

For example, a lantern which is to be used in a porch - where there is some protection against the elements - can be IP23, while a lantern which is intended to be above an outside door, or a floodlight sited on a gable end would have to resist splashing water, at least, and should be IP44 at a minimum

#### PLEASE NOTE:

All light fittings sold in the UK MUST be rated at least IP20 - which means fingers cannot be placed on live parts but they do not have to be protected against water ingress - unless specifically designed for such locations

### First IP Number - Solid Objects Protection

1	Protection against solid objects greater than 50mm
2	Protection against solid objects greater than 12.5mm such as a finger
3	Protection against solid objects greater than 2.5mm such as a screwdriver
4	Protection against solid objects greater than 1mm such as a wire
5	Dust protected. Will not interfere with the operation of the fitting
6	Dust tight. No ingress of dust

### Second IP Number - Protection Against Moisture

0	No protection against water ingress
1	Protection against vertical drops of water
2	Protection against vertical drops of water at an angle of 15°
3	Protection against spraying water at 60°
4	Protection against water splashes from all directions
5	Protection against jets of water
6	Protection against powerfull jets of water
7	Protection against being immersed in water up to 1m for 30seconds
8	Protection against immersion in water under pressure - water tight