

## WHAT IS IP RATING?

The resistance offered by the fixture to the penetration of solids and liquids is indicated by the IP (Ingress Protection) rating. This is a 2 digit number, the first number identifies the degree of protection against the ingress of solids and the second number against liquids e.g. IP65 indicates total protection against dust and protection against low jets of water.

### FIRST DIGIT PROTECTION AGAINST SOLIDS

0	No Protection
1	Protected against solid objects greater than 50mm (e.g. accidental contact with hand)
2	Protected against solid objects greater than 12mm (e.g. accidental contact with finger)
3	Protected against solid objects greater than 2.5mm (e.g. tools and wires)
4	Protected against solid objects greater than 1mm (e.g. fine tools and wires)
5	Protected against dust
6	Total protection against dust

### SECOND DIGIT PROTECTION AGAINST LIQUIDS

0	No Protection
1	Protection against vertical water drops (e.g. condensation)
2	Protection against direct sprays of water, up to 15° from vertical
3	Protection against direct sprays of water up to 60° from vertical
4	Protections against water spray from all directions
5	Protection against low pressure jets of water from all directions
6	Protection against jets of water of similar to heavy seas
7	Protection against immersion between 15 - 100cm
8	Protection against submersion