

# Ingress Protection (IP) Ratings Guide

## Solids Rating

0

Not rated for protection.

1



Protected against solid objects over 50mm in size e.g. hands or large tools.

2



Protected against solid objects over 12mm in size e.g. fingers.

3



Protected against solid objects over 2.5mm in size e.g. wires and small tools.

4



Protected against solid objects over 1mm in size e.g. small screws & nails, and larger insects.

5



Partial protection against dust and similar particles.

6



Full protection from dust and similar particles.



## Moisture Rating

0

Not rated for protection.

1



Protected against vertically falling drops of water or condensation.

2



Protected against vertically falling drops of water when light is tilted up to 15 degrees angle.

3



Protected against direct sprays of water when light is tilted up to 60 degrees.

4



Protected against sprays of water from all directions.

5



Protected against low pressure jets of water from all directions.

6



Protected against high pressure jets of water from all directions.

7



Protected against short periods of immersion in water 15cm - 1m for up to 30 minutes. Always check manufacturer specifics for products with this rating.

8

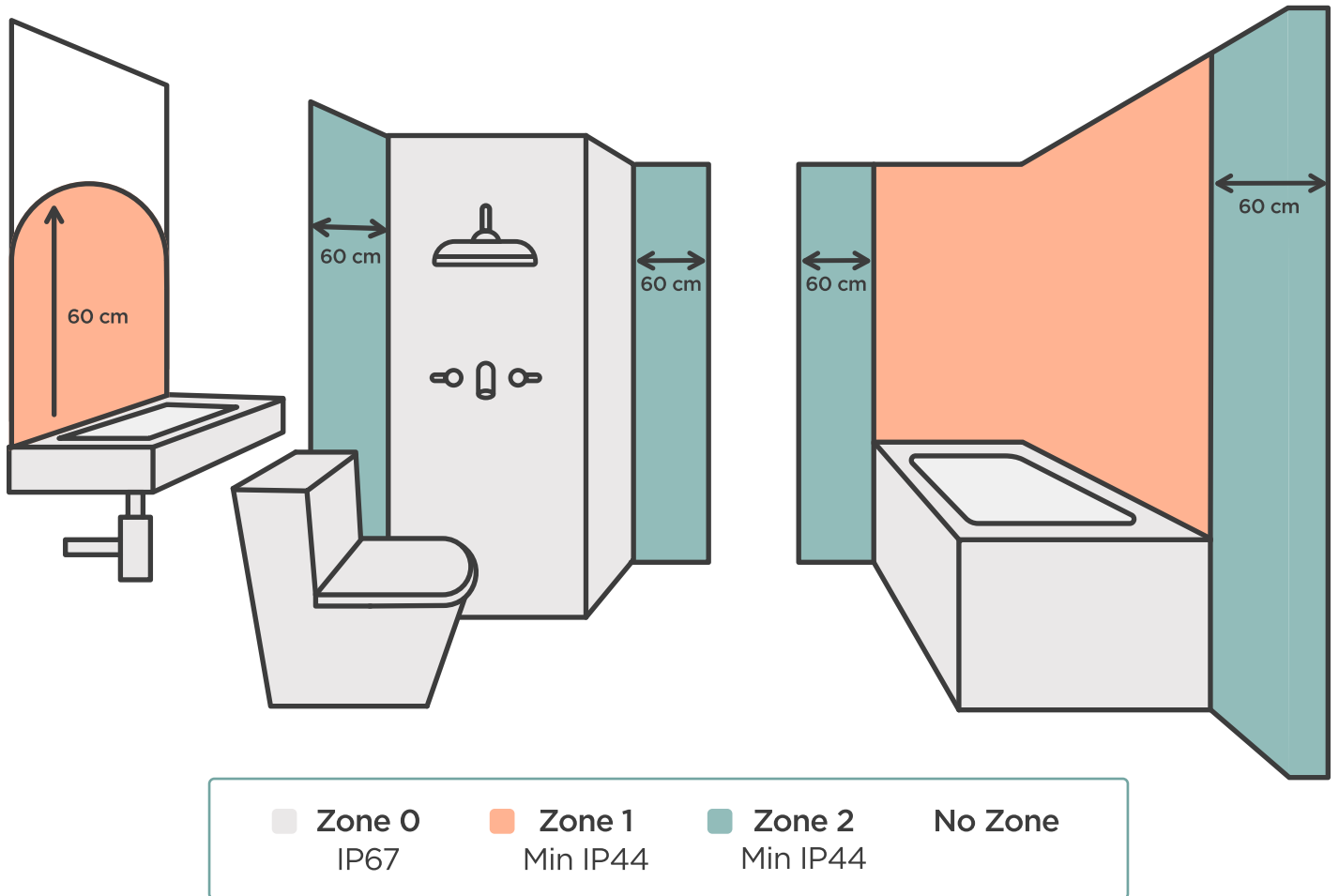


Protected against continuous immersion in water up to 1m for long periods. Always check manufacturer specifics for products with this rating.

9



Protection from close-range, powerful, high-temperature water jets.



## Minimum Requirements for bathroom lighting:

### ZONE 0

- Any lighting used in Zone 0 must have a minimum rating of IP67

### ZONE 1

- Residential: lights with IP rating IP44 or above

### ZONE 2

- Residential: lights with IP rating IP44 or above