

# FREQUENTLY ASKED QUESTIONS

## IP RATING CLASSIFICATION



## GENERAL REMARK

- We advise to have the lighting devices installed only by a qualified electrician.
- In case the area is cleaned with water jets, then a minimum of IPX5 is required.
- Informative: according to the International Electrotechnical Commission [IEC]:
  - IPX1 = drip-proof luminaires
  - IPX6 = powerful water jet-proof luminaires
  - IPX3 = rain-proof luminaires
  - IPX7 = watertight luminaires
  - IPX4 = splash-proof luminaires
  - IPX8 = pressure watertight luminaires
  - IPX5 = jet-proof luminaires

Below is an indication of which IP rates are applicable for which bathroom zones. Please double check and follow local regulations.

### ZONE 0

IPX7 upwards

Inside the shower, all fixtures must be SELV (Security Extra Low Voltage) 12V AC or 30V DC and at least IPX7.

### ZONE 1

IPX4 upwards

Only use lighting of minimum IPX4 with a voltage according to SELV that translates 25V AC or 60V DC. In case powerful water jets are used, a minimum of IPX5 must be used.

### ZONE 2

IPX4 upwards

Only use lighting of minimum IPX4 in the area not closer than 60 cm width and 225 cm height next to the shower and/or bathtub. IPX4 is sufficient on condition that a direct water jet cannot make contact with the lighting device. If water jets are used, then a minimum of IPX5 must be used.

### ZONE 3

IPX3 upwards  
IPX1 if no contact with steam or water

Outside of zones 1 and 2; in case it is exempted that the lighting device is touched by water or steam, an IPX1 classification is sufficient.