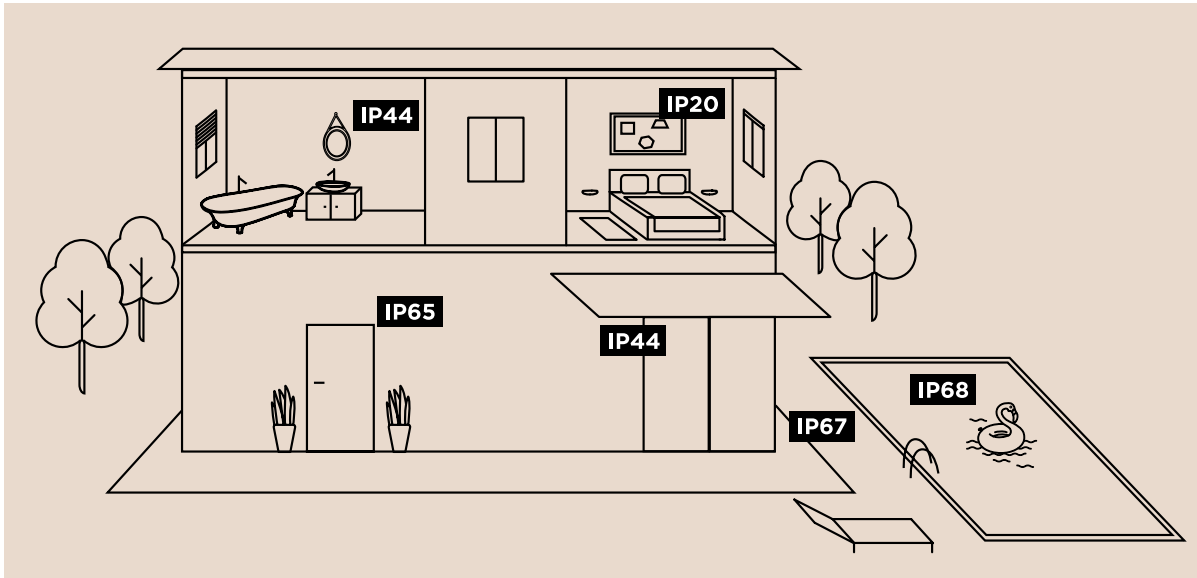


GOOD TO KNOW

IP RATING CLASSIFICATION



FIRST DIGIT

Protection against dust

Schutz gegen Festkörper

0		No protection <i>Kein Schutz</i>	1		Protected against solid objects greater than 50 mm Ø <i>Geschützt vor festen Gegenständen über 50 mm Ø</i>
2		Protected against solid objects greater 12 mm Ø <i>Geschützt vor festen Gegenständen über 12 mm Ø</i>	3		Protected against solid objects over 2.5mm Ø <i>Geschützt vor festen Gegenständen über 2,5mm Ø</i>
4		Protected against solid objects greater than 1.0 mm Ø <i>Geschützt vor festen Gegenständen über 1,0 mm Ø</i>	5		Dust protected <i>Staubgeschützt</i>
6		Dust tight <i>Staubdicht</i>			

SECOND DIGIT

Protection against water

Schutz gegen Flüssigkeiten

0		No protection <i>Kein Wasserschutz</i>	1		Protected against vertically dripping water <i>Geschützt vor senkrecht fallendem Tropfwasser</i>
2		Protected against dripping water (tilted up to 15°) <i>Geschützt vor schräg fallendem Tropfwasser (bis 15°)</i>	3		Protected against spray water <i>Geschützt vor Sprühwasser</i>
4		Protected against splashing water from all directions <i>Geschützt vor Spritzwasser aus allen Richtungen</i>	5		Protected against water jets <i>Geschützt vor Strahlwasser</i>
6		Protected against strong water jets <i>Geschützt vor starkem Strahlwasser</i>	7		Protected against penetrating water during short-term immersion <i>Geschützt vor eindringendem Wasser beim kurzzeitigen Eintauchen</i>

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.