

## INSTRUCTIONS FOR USE AND DEFINITION OF PERMITTED AMBIENT CONDITIONS

Nimbus AQUA luminaires have been developed in accordance with the requirements of the IP 44 rating. That means, they are protected against ingress of solid objects (diameter 1.0 mm or greater) and against water splashed from all directions – „splashproof“ in the classical sense of the word. The IP rating of the housing is therefore based on the ingress of solid objects and water – chemicals, constant or creeping moisture and aggressive atmosphere are not considered in this categorization.

### Use in private bathrooms and outdoors

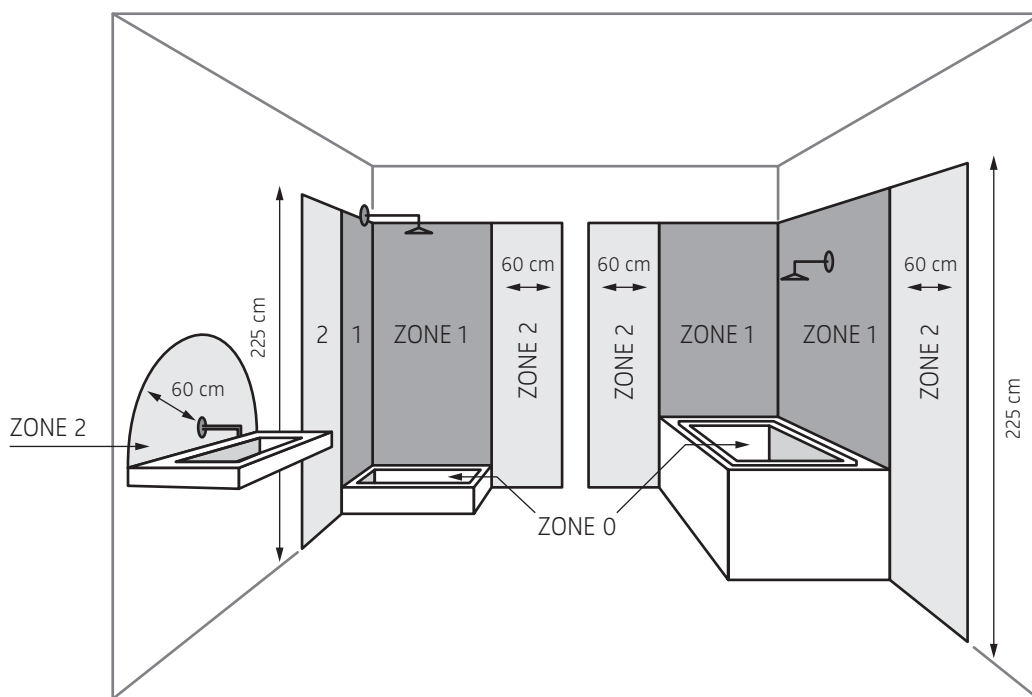
The luminaires can be safely used in private bathrooms or outdoors if the applicable statutory regulations and regulations regarding electrical installations are observed (position of the converters and junction boxes, length of supply cables, low voltage up to 50 V). The actual assessment of the required IP rating for the various zones must be performed by a local qualified electrician in accordance with national installation guidelines.

The German DIN VDE 0100 regulation part 701 distinguishes between 3 protection zones for bathroom as a „wet room“:

- ZONE 0 means inside the bath or shower itself.
- ZONE 1 is bordered by the vertical surfaces around the bath or shower tub; if there is no shower tub by the vertical surfaces 120 centimetres from the shower head when in its holder. In each case, the zone extends up to a height of 225 centimeters.
- ZONE 2 adjoins ZONE 1 and is 60 centimeters wide.

ZONES 0 and 2 do not apply to showers without a tub.

All Nimbus AQUA luminaires can be used in ZONES 1 and 2. However, use in ZONE 1 is subject to the condition that no direct water jet can reach the luminaires. Converters must be situated outside of ZONES 0 and 1.



### Use in public bathing facilities

Use of Nimbus AQUA luminaires in indoor pools, mineral baths and brine baths is not recommended. As far as the planning laws are concerned, the atmosphere in public bathing facilities corresponds to „Corrosivity Category C4“ (high atmospheric corrosivity) and applies equally to industrial areas, coastal areas with moderate salinity, chemical plants and swimming pools.

Aggressive media such as saline moist atmospheres from bathing, mineral or sea water, solvents, cleaning agents, chlorine vapours and other highly corrosive influences have a permanent impact on the luminaires.

Such corrosive atmosphere damages all components. Warranties do not cover use in such conditions.