

INSTALLATION

VALIRYO RECOMMENDATION FOR INSTALLATION IN THE SHOWER SPACE

1 Standards and certification

Valiryo can be installed inside the shower space because it has an IP56 Protection Index against the entry of water and dust, accredited by the international certificate:

C / 18046512

carried out under the IEC 60529:1989 and IEC 60529:1989/A1:1999 standards, in the independent laboratory "Technological Institute of Aragon", with laboratory accreditation ILAC N° 100/LE257.

This certificate is included in the international certificate:

CB Scheme: BE-8415

accredited by the independent laboratory "SGS Tecnos, S.A." with laboratory accreditation ILAC N° 5/LE011.

The standard IEC 60364-7-701:2006, explains the requirements for low voltage electrical installations in sites containing a bathtub or shower.

This standard indicates in point 701.512.2 on external influences that electrical equipment such as Valiryo must have at least IPX4 index to be installed in volume 1 and 2 (shower area), and an IPX5 in the case of equipment such as Valiryo that may be subjected to blasts of water.

Summarizing, Valiryo can be installed within the shower plate, as it complies with the standards (Valiryo has a higher IP rating than the one required to install electrical equipment in the wet areas of the shower). See the chart below:

Voltage	Standard	Valiryo
Private places	IPX4	IP56
Public places	IPX5	IP56

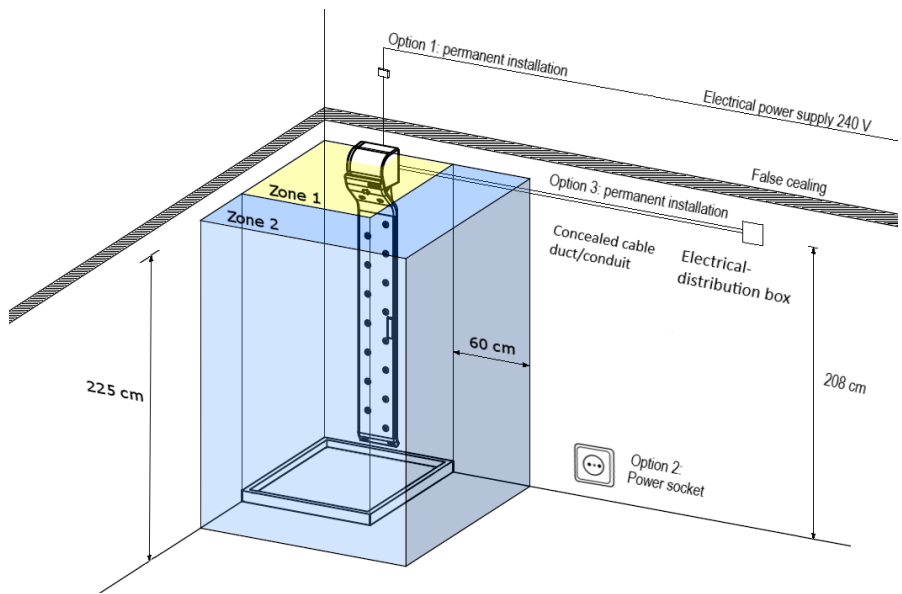
2 Electrical data

Voltage	220-240 V~; 50-60 Hz
Amperage	12 A
Power	2800 W
Insulation Class	Class II
Power Cord	Section 1,5 mm ² H05VV-F

3 Electrical installation

Isolate Valiryo's installation using a magnetothermic switch of 16 A.

To additionally protect the installation, it is recommended to install a residual current disconnection device (RCD), not higher than 30 mA in the electrical circuit of the equipment according to IEC 60364-4-41:2005.



There are 3 options to install Valiryo within the shower space:

- **Option 1:** Permanent installation through the false ceiling, cutting the power plug and making the connection inside the false ceiling.
- **Option 2:** Plug in directly to the Power socket. This is not recommended because is not aesthetic solution.
- **Option 3:** If you don't have false ceiling in your bathroom, you can put inside the wall a concealed cable duct to put inside the power cable of Valiryo. You can make the electrical connection in a standard electrical box. Recommended height for concealed cable duct installation is 208 cm from the floor.

To easily handle the upper case during installation or uninstallation, it is recommended to insert 10 cm of cable inside the upper case to make it easy.