



Technical Feature

Electrical Classes

In lights, measures must be put in place to protect against electric shock. They must guarantee that, in the event of a fault, accessible housing components cannot become live and therefore dangerous. The different ways of achieving this are listed below in classification classes.

Class	Light	Notes
I	Lights with a connection point for an Earth conductor to which all the accessible metal components must be connected; the Earth conductor can immediately ground the voltage in the event of a fault	Must be connected to a protective Earth. the symbol placed at the connection point
II	These lights must have no accessible metal parts which can directly become live in the event of a fault	Light must not have an Earth connection point and must not be connected to a protective Earth.
III	Lights for operation at safety extra low voltage (SELV), i.e. at a voltage below 50V, generated by a safety insulating Transformer in accordance with DIN VDE 0551 (EN 60742) or drawn from Batteries or accumulators	Light must not have an earth conductor connection point and must not be connected to a protective Earth