

Luminaires with luminous-discharge lamps.

Even the EN 50107-1:2002 and A1:2004 "Signs and luminous-discharge-tube installations operating from a no-load rated output voltage exceeding 1 kV but not exceeding 10 kV -- Part 1: General requirements" refers to "small portable signs" – closer to an electrical equipment than to an installation - along the past years it seemed there was a lack of standard as regards the possibility of manufacturing luminaires equipped with discharge lamps.

The competent bodies published an IEC/EN norm covering those kind of luminaires, already present on the market. The existence of a dedicated standard allows such a product to carry a mark besides the CE marking only. Further detail are specified below.

Norms for Luminaires with cold cathode tubular discharge lamps:

EN 60598-2-14:2009 "Luminaires -- Part 2-14: Particular requirements - Luminaires for cold cathode tubular discharge lamps (neon tubes) and similar equipment"

IEC 60598-2-14:2009 applies to luminaires for cold cathode tubular discharge lamps and similar equipment, operating on a no-load rated output voltage over 1 000 V but not exceeding 10 000 V, mainly used for general lighting, for indoor or outdoor applications and for supply voltages up to 1 000 V. This publication is intended to be read in conjunction with IEC 60598-1: Luminaires - Part 1: General requirements and tests. It was established on the basis of the seventh edition (2008) of that standard.

This part of IEC 60598 applies to luminaires for cold cathode tubular discharge lamps and similar equipment, operating on a no-load rated output voltage over 1000 V but not exceeding 10000 V, mainly used for general lighting, for indoor or outdoor applications and for supply voltages up to 1000 V.

This publication is intended to be read in conjunction with IEC 60598-1: Luminaires - Part 1: General requirements and tests. It was established on the basis of the seventh edition (2008) of that standard.

It covers luminaires incorporating luminous-discharge tubes and supply units, of fixed or portable type, supplied by high, mains or ELV voltages by transformers, inverters or converters. This standard does not cover luminaires for luminous-discharge tubes operating at rated voltages not exceeding 1000 V (pre-heated cathodes), for which reference is made to the relevant part 2 of IEC 60598, and luminous discharge tube luminaires to be assembled in site as an electrical lighting system, for which regional wiring rules apply.

A handbook has been published by Italian (www.aifil.it) and Spanish Association (www.aserluz.org) in which the main guidelines for the CE marking are described.