

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

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**GX16t-5 capped tubular led lamp – Safety specifications**

**Lampe à led tubulaire munie d'un culot GX16t-5 – Spécifications de sécurité**





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ELECTROTECHNICAL  
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## GX16t-5 CAPPED TUBULAR LED LAMP – SAFETY SPECIFICATIONS

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The text of this standard is based on the following documents:

FDIS	Report on voting
34A/1957/FDIS	34A/1974/RVD

For all information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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## GX16t-5 CAPPED TUBULAR LED LAMP – SAFETY SPECIFICATIONS

### 1 Scope

This document specifies the safety and interchangeability requirements together with the test methods and conditions required to show compliance of non-integrated tubular LED lamps intended for general lighting purposes, having:

- a rated wattage up to 70 W,
- a rated voltage up to 190 V ripple free DC,
- GX16t-5 cap as listed in Table 1.

The requirements of this document relate only to type testing.

NOTE 1 Where in this document the term “lamp(s)” is used, it is understood to stand for “non-integrated GX16t-5 capped tubular LED-lamp(s)”, except where it is obviously assigned to other type of lamps.

NOTE 2 The lamp specified in this document is operated with a controlgear specified in Annex B. See Clause 18.

NOTE 3 This document includes photobiological safety.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60061-1, *Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps*

IEC 60061-2, *Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 2: Lampholders*

IEC 60061-3, *Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges*

IEC 60061-4, *Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 4: Guidelines and general information*

IEC 60300, *Standard method of measurement of lamp cap temperature rise*

IEC 60400:2008, *Lampholders for tubular fluorescent lamps and starterholders*

IEC 60400:2008/AMD1:2011

IEC 60400:2008/AMD2:2014

IEC 60598-1:2014, *Luminaires – Part 1: General requirements and tests*

IEC 60695-2-10:2000, *Fire hazard testing – Part 2-10: Glowing/hot-wire based test methods; Glow-wire apparatus and common test procedure<sup>1</sup>*

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<sup>1</sup> Withdrawn