

GX16T-5 SOKLIGA TORUKUJULINE VALGUSDIOODLAMP.  
OHUTUSNÕUDED

GX16t-5 capped tubular LED lamp - Safety specifications

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

|                                                                                                                     |                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| See Eesti standard EVS-EN 62931:2017 sisaldab Euroopa standardi EN 62931:2017 ingliskeelset teksti.                 | This Estonian standard EVS-EN 62931:2017 consists of the English text of the European standard EN 62931:2017.                      |
| Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas                                                   | This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation. |
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English Version

**GX16t-5 capped tubular led lamp -  
Safety specifications  
(IEC 62931:2017)**

Lampe à led tubulaire munie d'un culot GX16t-5 -  
Spécifications de sécurité  
(IEC 62931:2017)

Zweiseitig gesockelte LED-Lampen mit Passungssystem  
GX16t-5 - Sicherheitsanforderungen  
(IEC 62931:2017)

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European Committee for Electrotechnical Standardization  
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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## European foreword

The text of document 34A/1957/FDIS, future edition 1 of IEC 62931, prepared by SC 34A "Lamps", of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62931:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-03-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-06-01

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## Endorsement notice

The text of the International Standard IEC 62931:2017 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

|                                          |      |                                                                                                     |
|------------------------------------------|------|-----------------------------------------------------------------------------------------------------|
| IEC 60081                                | NOTE | Harmonized as EN 60081.                                                                             |
| IEC 60529:1989<br>+ A1:1999<br>+ A2:2013 | NOTE | Harmonized as EN 60529:1991 (not modified)<br>+ A1:2000 (not modified)<br>+ A2:2013 (not modified). |
| IEC 60921                                | NOTE | Harmonized as EN 60921.                                                                             |
| IEC 61195                                | NOTE | Harmonized as EN 61195.                                                                             |
| IEC 61347-2-13                           | NOTE | Harmonized as EN 61347-2-13.                                                                        |
| IEC 62471                                | NOTE | Harmonized as EN 62471.                                                                             |

## Annex ZA

(normative)

### Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

| <u>Publication</u> | <u>Year</u> | <u>Title</u>                                                                                                                             | <u>EN/HD</u>  | <u>Year</u>        |
|--------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------|
| IEC 60061-1        | -           | Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps                          | EN 60061-1    | -                  |
| IEC 60061-2        | -           | Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders                        | EN 60061-2    | -                  |
| IEC 60061-3        | -           | Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges                             | EN 60061-3    | -                  |
| IEC 60061-4        | -           | Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 4: Guidelines and general information | EN 60061-4    | -                  |
| IEC 60360          | -           | Standard method of measurement of lamp cap temperature rise                                                                              | EN 60360      | -                  |
| IEC 60400          | 2008        | Lampholders for tubular fluorescent lamps and starterholders                                                                             | EN 60400      | 2008               |
| + A1               | 2011        |                                                                                                                                          | + A1          | 2011               |
| + A2               | 2014        |                                                                                                                                          | + A2          | 2014               |
| IEC 60598-1 (mod)  | 2014        | Luminaires - Part 1: General requirements and tests                                                                                      | EN 60598-1    | 2015               |
| IEC 60695-2-10     | 2000        | Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure                     | EN 60695-2-10 | 2001 <sup>1)</sup> |

1) EN 60695-2-10:2001 is superseded by EN 60695-2-10:2013, which is based on IEC 60695-2-10:2013.

| <u>Publication</u> | <u>Year</u> | <u>Title</u>                                                                                                               | <u>EN/HD</u>  | <u>Year</u>        |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------|---------------|--------------------|
| IEC 60838-2-3      | -           | Miscellaneous lampholders - Part 2-3: Particular requirements - Lampholders for double-capped linear LED lamps             | EN 60838-2-3  | -                  |
| IEC 60695-2-11     | 2000        | Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products | EN 60695-2-11 | 2001 <sup>2)</sup> |
| IEC 61347-1        | 2015        | Lamp controlgear - Part 1: General and safety requirement                                                                  | EN 61347-1    | 2015               |
| IEC 62031          | -           | LED modules for general lighting - Safety specifications                                                                   | EN 62031      | -                  |
| IEC 62504          | -           | General lighting - Light emitting diode (LED) products and related equipment - Terms and definitions                       | EN 62504      | -                  |
| IEC/TR 62778       | 2014        | Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires                           | -             | -                  |
| ISO 4046-4         | 2016        | Paper, board, pulps and related terms - Vocabulary - Part 4: Paper and board grades and converted products                 | -             | -                  |

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2) EN 60695-2-11:2001 is superseded by EN 60695-2-11:2014, which is based on IEC 60695-2-11:2014.

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