**KENYA BUREAU OF STANDARDS**

**ADOPTION PROPOSAL**

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| **Document Type:** | **Adoption proposal** | |
| **Dates:** | Circulation date | Closing date |
| 2022-08-25 | 2022-09-24 |
| **TC Secretary** | **This form shall be filled, signed and returned to Kenya Bureau of Standards for the attention of Daniel Kitui kituid@kebs.org** | |

The Kenya Bureau of Standards intends to adopt the following International Standards as detailed here below:

1. **Number:** IEC 60061-2:2005

**Title:** Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders

**Scope:** IEC 60061 Lamp caps and holders together with gauges for the control of interchange ablility and safety consists of four Parts: Part 1: Lamp caps Part 2: Lampholders Part 3: Gauges Part 4: Guidelines and general information Each part is independent of the other, but a given part should always be studied in conjunction with the other parts. This consolidated version of IEC 60061-2 is based on the third edition (1969) and its supplements A(1970), B(1971), C(1972), D(1975), E(1975), F(1980), G(1983), H(1987), J(1989), K(1992), L(1994), M(1994), N(1995), P(1996), Q(1996), R(1996), S(1997), and amendments 18(1998), 19(1999), 20(1999), 21(2000), 22(2001), 23(2001), 24(2001), 25(2002), 26(2002), 27(2002), 28(2003) and 29(2003), 30(2003), 31(2004) and 32(2004).

**Online Preview**: <https://webstore.iec.ch/preview/info_iec60061-2%7Bed3.32%7Db.img.pdf>

1. **Number:** IEC 60357:2002

**Title:** Tungsten halogen lamps (non-vehicle) - Performance specifications

**Scope:** This International Standard specifies the performance requirements for single-capped and

double-capped tungsten halogen lamps, having rated voltages of up to 250 V, used for the

following applications:

• Projection (including cinematograph and still projection)

• Photographic (including studio)

• Floodlighting

• Special purpose

• General purpose

• Stage lighting

For some of the requirements given in this standard reference is made to "the relevant data

sheet". For some lamps these data sheets are contained in this standard. For other lamps,

falling under the scope of this stand

**Online Preview**: <https://webstore.iec.ch/preview/info_iec60357%7Bed3.0%7Db.pdf>

1. **Number:** IEC 61000-4-11:2020

**Title:** Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase

**Scope:** This part of IEC 61000 defines the immunity test methods and range of preferred test levels for

electrical and electronic equipment connected to low-voltage power supply networks for voltage

dips, short interruptions, and voltage variations.

This document applies to electrical and electronic equipment having a rated input current not

exceeding 16 A per phase, for connection to 50 Hz or 60 Hz AC networks.

It does not apply to electrical and electronic equipment for connection to 400 Hz AC networks.

Tests for these networks will be covered by future IEC documents.

The object of this document is to establish a common reference for evaluating the immunity of

electrical and electronic equipment when subjected to voltage dips, short interruptions and

voltage variations.

**Online Preview**: <https://webstore.iec.ch/preview/info_iec61000-4-11%7Bed3.0.RLV%7Den.pdf>

1. **Number:** IEC 61000-4-7:2002+AMD1:2008

**Title:** Electromagnetic compatibility (EMC) - Part 4-7: Testing and measurement techniques - General guide on harmonics and interharmonics measurements and instrumentation, for power supply systems and equipment connected thereto

**Scope:** This part of IEC 61000 is applicable to instrumentation intended for measuring spectral

components in the frequency range up to 9 kHz which are superimposed on the fundamental

of the power supply systems at 50 Hz and 60 Hz. For practical considerations, this standard

distinguishes between harmonics, interharmonics and other components above the harmonic

frequency range, up to 9 kHz.

**Online Preview**: <https://webstore.iec.ch/preview/info_iec61000-4-7%7Bed2.1%7Db.pdf>

1. **Number:** IEC 62717:2014+AMD1:2015+AMD2:2019

**Title:** LED modules for general lighting - Performance requirements

**Scope:** IEC 62717:2014+A1:2015+A2:2019 specifies the performance requirements for LED modules, together with the test methods and conditions, required to show compliance with this standard.

**Online Preview**: <https://webstore.iec.ch/preview/info_iec62717%7Bed1.2%7Db.pdf>

1. **Number:** IEC 62722-2-1:2014

**Title:** Luminaire performance - Part 2-1: Particular requirements for LED luminaires

**Scope:** IEC 62722-2-1:2014 specifies the performance requirements for LED luminaires, together with the test methods and conditions, required to show compliance with this standard. It applies to LED luminaires for general lighting purposes.

**Online Preview**: <https://webstore.iec.ch/preview/info_iec62722-2-1%7Bed1.0%7Db.pdf>

1. **Number:** IEC 62722-1:2022

**Title:** Luminaire performance - Part 1: General requirements

**Scope:** This part of IEC 62722 covers specific performance and environmental requirements for

luminaires, incorporating electric light sources for operation from supply voltages up to 1 000 V.

Unless otherwise detailed, performance data covered under the scope of this document are for

the luminaires in a condition representative of new manufacture, with any specified initial aging

procedures completed.

This document covers requirements for luminaires to support energy efficient use and

responsible environmental management to the end of life. The object of this document is to

provide a set of requirements which are considered to be generally applicable to most types of

luminaires. Where additional performance requirements for specific types of light source are

relevant, these are specified in the IEC 62722-2 series.

**Online Preview**: <https://webstore.iec.ch/preview/info_iec62722-1%7Bed2.0.RLV%7Den.pdf>

1. **Number:** IEC 63103:2020

**Title:** Lighting equipment - Non-active mode power measurement

**Scope:** This document specifies methods of measurement of electrical power consumption in nonactive mode(s), as applicable for electrical lighting equipment. This includes electrical lighting equipment incorporating non-illumination components.

This document specifies neither performance requirements nor limits on power consumption.

This document applies to lighting equipment connected to a supply voltage up to 1 500 V DC

or up to 1 000 V AC.

**Online Preview**: <https://webstore.iec.ch/preview/info_iec63103%7Bed1.0%7Db.pdf>

1. **Number:** IEC TR 61341:2010

**Title:** Method of measurement of centre beam intensity and beam angle(s) of reflector lamps

**Scope:** This Technical Report describes the method of measuring and specifying the centre beam

intensity and the associated beam angle(s) of reflector lamps.

It applies to incandescent, tungsten halogen and gas-discharge and LED based reflector

lamps for general lighting purposes. It does not apply to lamps for special purposes such as

projection lamps.

These recommendations relate to design testing of lamps only.

**Online Preview**: <https://webstore.iec.ch/preview/info_iec61341%7Bed2.0%7Db.pdf>

1. **Number:** IEC TR 61547-1:2020

**Title:** Equipment for general lighting purposes - EMC immunity requirements - Part 1: Objective light flickermeter and voltage fluctuation immunity test method

**Scope:** This part of IEC 61547 describes an objective light flickermeter, which can be applied for,

amongst others, the following purposes:

– measuring the intrinsic performance of all lighting equipment without the application of

voltage fluctuations in terms of illuminance flicker; during this measurement, the lighting

equipment is supplied with a stable mains;

– testing the immunity performance of lighting equipment against (unintentional) voltage

fluctuation disturbance on the AC mains in terms of illuminance flicker; during this test a

set of defined voltage fluctuations are applied to the AC mains and the immunity of the

lighting equipment to the disturbance is determined.

Apart from the above two purposes, the immunity performance of lighting equipment can also

be tested against intentional voltage fluctuation on the AC mains arising for example from

mains signalling. This is however not described in further detail in this document.

**Online Preview**: <https://webstore.iec.ch/preview/info_iectr61547-1%7Bed3.0.RLV%7Den.pdf>

1. **Number:** IEC 61547:2020

**Title:** Equipment for general lighting purposes - EMC immunity requirements

**Scope:** This part of IEC 61547 which deals with electromagnetic immunity requirements, applies to

lighting equipment which is within the scope of IEC technical committee 34, including

apparatus such as lamps, luminaires and modules.

**Online Preview**: <https://webstore.iec.ch/preview/info_iec61547%7Bed3.0.RLV%7Den.pdf>

1. **Number:** IEC TR 63158:2018

**Title:** Equipment for general lighting purposes - Objective test method for stroboscopic effects of lighting equipment

**Scope:** This document describes an objective stroboscopic effect visibility (SVM) meter, which can be

applied for performance testing of lighting equipment under different operational conditions.

The stroboscopic effects considered in this document are limited to the objective assessment

by a human observer of visible stroboscopic effects of temporal light modulation of lighting

equipment in general indoor applications, with typical indoor light levels (> 100 lx) and with

moderate movements of an observer or nearby handled object (< 4 m/s). Details on restriction

of the applicability of the stroboscopic effect visibility measure is given in Clause A.1.

**Online Preview**: <https://webstore.iec.ch/preview/info_iectr63158%7Bed1.0%7Den.pdf>

We are therefore seeking views from potential users in respect of the same. The Standards are available at the Kenya Bureau of Standards Information Centre and a preview via the links on the individual standards.

Please tick and fill your preference of the listed option. (If the spaces provided are not enough, please attach a separate sheet of paper).

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| No. | Standard | Adoption Accepted | Adoption not Acceptable | Recommendation |
| 1. | IEC 60061-2:2005 |  |  |  |
| 2. | IEC 60357:2002 |  |  |  |
| 3. | IEC 61000-4-11:2020 |  |  |  |
| 4. | IEC 61000-4-7:2002+AMD1:2008 |  |  |  |
| 5. | IEC 62717:2014+AMD1:2015+AMD2:2019 |  |  |  |
| 6. | IEC 62722-2-1:2014 |  |  |  |
| 7. | IEC 62722-1:2022 |  |  |  |
| 8. | IEC 63103:2020 |  |  |  |
| 9. | IEC TR 61341:2010 |  |  |  |
| 10. | IEC TR 61547-1:2020 |  |  |  |
| 11. | IEC 61547:2020 |  |  |  |
| 12. | IEC TR 63158:2018 |  |  |  |

Name and signature (of respondent) ………………………………………… Position…………………

Signature: …………………………………………………….

On behalf of: (Name of organization)

Date:

**NOTE:** Absence of any reply or comments shall be deemed to be an acceptance of the proposal for confirmation and **shall constitute an approval vote…**