SASO 2902:2018/AMD2:2023

Energy efficiency, functionality and labelling requirements for lighting products Part 2

THIS DOCUMENT IS A DRAFT AMENDMENT TO SAUDI STANDARD CIRCULATED FOR COMMENT. IT IS, THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED UNTIL APPROVED BY THE BOARD OF DIRECTORS
1. SCOPE

Table 2: List of products covered

Delete:
Delete hazardous substances from regulatory parameters.

3. Terms and definitions

3.2 Technical

Add:

**Scalable LED module**: LED module which is designed according to a certain design rule and can be expressed by the characteristics proportional to a specific geometrical dimension.

**Note 1 to entry**: e.g., a linear LED module which is designed so that the consumed power per unit length is a constant value. In case of 10 W consumed power, the total luminous flux is 500 lm per 50 cm LED module length. In case of 20 W consumed power, the total luminous flux is 1 000 lm per 100 cm LED module length. LED modules are considered scaleable, if arranged on one reel or similar bigger unit.

**Pendant luminaire**: luminaire provided with a cord, chain, tube, etc., which permits it to be suspended from a ceiling or a wall support.

4.5 Hazardous chemicals: Substance restrictions for lamps and control gears

Delete:
Delete this Clause.

5.2 Type of documents needed for registration under the scope of this standard

Table 2: Type of documents required

Delete:
Delete “Environment (Hazardous substances)”.

Add new clause

5.3 Linear LED module

For Scalable LED module with linear geometry, such as LED strips or strings:

- Rated power and lumen flux shall be declared per 1 meter (including products with length less than 1 meter)
- Test shall be conducted at 50 cm or nearest cut and the cut length shall be mentioned in the test report.
ANNEX B.1 Products exempted

ANNEX B.1.2 Products exempted as used for non-primary lighting purpose/application.

Add:

- luminaire with RGB or RGB/W.
- Floor, Table, or Wall.
- All pendant luminaires are exempted except (Pendant Linear Luminaires, Pendant Panel Luminaires, and pendant high bay Luminaires).

ANNEX B.1.3 Products exempted for technical reasons.

Add:

- In the case that the luminaire cannot be tested for the following reasons:
  - net wight is more than 50 kg.
  - length or lowest cut is more the 2 meters.
- luminaire with a beam angle of less than 10°.
- luminaire with IP protection 65 or higher. (not include: flood luminaire, Street lighting luminaire)

ANNEX B.3 - Products exempted from the provision of section 4.5 of this Standard

Delete:

Delete this Annex.

ANNEX G.2- Information to be visibly displayed to end-users, prior to their purchase and on the packaging:

After point o.

Add:

- IP protection (if it is 65 or higher).

  - Note: for Scalable linear LED module, rated values of power, lumen and efficacy shall be declared per 1 meter

ANNEX J – Hazardous chemicals: Substance restrictions for lamps & control gears

Delete:

Delete this Annex.