

الهيئة السعودية للمواصفات والمقاييس والجودة
Saudi Standards, Metrology and Quality Org (SASO)

SASO 2902:2018/AMD2:2023

**متطلبات كفاءة الطاقة ومتطلبات التشغيل ووضع البطاقات لمنتجات الانارة - الجزء
الثاني**

**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 weight is more than 50 kg.
 - length or lowest cut is more than 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.