

**DEPARTMENT OF TRADE AND INDUSTRY
DEPARTEMENT VAN HANDEL EN NYWERHEID**

No. 834

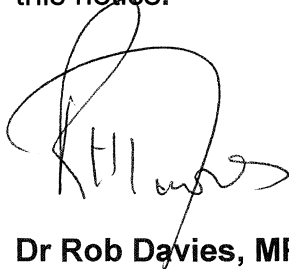
31 October 2014

**NATIONAL REGULATOR FOR COMPULSORY SPECIFICATIONS ACT
(ACT 5 of 2008)**

**COMPULSORY SPECIFICATION FOR ELECTRICAL LUMINAIRES
(VC 9012)**

It is hereby made known under section 13(4) of the National Regulator for Compulsory Specifications Act, (Act 5 of 2008), that I, Dr Rob Davies, the Minister of Trade and Industry, intends to introduce a Compulsory Specification Electrical Luminaires as set out in the attached Schedule.

Any person, who wishes to comment on the intention to thus introduce the compulsory specification concerned, shall submit their comments, in writing, to the Chief Executive Officer, National Regulator for Compulsory Specifications, Private Bag X25, Brooklyn, 0075, on or before the date two (2) months after publication of this notice.



**Dr Rob Davies, MP
Minister of Trade and Industry**

SCHEDULE
COMPULSORY SPECIFICATION FOR ELECTRICAL LUMINAIRES
(VC 9012)

1. SCOPE

1.1 This compulsory specification covers general requirements for electrical luminaires, incorporating electric light sources for operation from supply voltages up to 1 000 V. Such apparatus is generally available through normal retail distribution channels and is intended to be used by ordinary persons.

These include:

- Portable luminaires, such as hand lamps, portable luminaires for children, portable garden luminaires, lighting chains, luminaires for standby lighting etc.
- Fixed luminaires for decorative domestic applications, including pendant luminaires and luminaires specifically designed for wall mounting at low mounting heights, aquarium luminaires, luminaires designed for regular adjustment, ground recessed luminaires
- Floodlights for tungsten halogen lamps,
- Floodlights for LED light sources of power rating < 50W for domestic applications,
- Floodlights for HID lamps of power rating < 70W for domestic applications and
- Photo and film luminaires (non-professional).

1.2 Luminaires that are generally installed by skilled persons or instructed persons are excluded from this compulsory specification. These include:

- Luminaires for road and street lighting,
- Luminaires for stage lighting and for television, film and photographic studios (professional),
- Fixed and recessed luminaires for commercial and industrial applications,
- Floodlights for HID lamps of power ratings $\geq 70W$ or LED light sources of power ratings $\geq 50W$ for commercial and industrial applications,
- Luminaires for emergency lighting
- Luminaires for signaling,
- Luminaires sold for use in hazardous applications and environments,

- Luminaires designed and sold exclusively for industrial purposes,
- Luminaires designed for use in locations where special conditions prevail such as explosive atmospheres and
- SELV luminaires (luminaires powered from supply <50V).

2 DEFINITIONS

2.1 For the purposes of this document, the definitions in *SANS 60598-1, Luminaires - Part 1: General requirements and tests*.

2.2 In addition, the following definitions shall apply:

2.2.1 **applicant:** The manufacturer or importer seeking approval for a luminaire(s). The applicant shall be an existing legal entity within the Republic of South Africa.

2.2.2 **approval:** confirmation by the NRCS that a particular luminaire satisfies the requirements of this compulsory specification.

2.2.3 **declaration report:** a report, that is issued by an accredited conformity assessment body, indicating the equivalence of products and/or standards.

2.2.4 **NRCS:** The National Regulator for Compulsory Specifications as established by the National Regulator for Compulsory Specifications Act, 2008 (Act No. 5 of 2008).

2.2.5 **proof of conformity:** documented evidence of conformity with the requirements of this compulsory specification.

2.2.6 **product certification:** is a certification system described in requirement 7.2.2 of this compulsory specification.

2.2.7 **skilled person:** a person who has relevant education and experience to enable him or her to perceive risks and to avoid hazards which electricity can create.

2.2.8 **instructed person:** a person who has been adequately advised or supervised by electrically skilled persons to enable him or her to perceive risks and to avoid hazards that electricity can create.

2.2.9 **ordinary person:** a person who is neither a skilled nor an instructed person.

2.2.10 **valid test report:** a copy of an original test report.

2.2.11 **valid product certificate:** copy of an original product certificate of conformity issued by an accredited product certification body. (See 7.2)

2.2.12 **standby lighting luminaire:** a luminaire, not forming part of a fixed emergency lighting installation, which has a feature of automatically being activated from an integral power supply, in the event of a mains supply interruption.

2.2.13 **use:** the handling, touching, aiming or adjustment of a luminaire by the user during its normal operation. (Maintenance and repair is not regarded as “use” of a luminaire).(See 1.1)

3. GENERAL REQUIREMENTS

- 3.1 The applicant shall ensure that each type of luminaire has been approved by the NRCS before offering it for sale, in accordance with the requirements of Annex A or Annex B.
- 3.2 The applicant shall inform the NRCS of any change in design or materials affecting any mandatory requirement in terms of this compulsory specification. In the event of such change(s) the NRCS may, at its discretion, demand that the applicant submit a new application for approval.
- 3.3 The applicant shall, on request, provide the NRCS, within 5 working days, with satisfactory proof of approval in respect of any type of luminaire included in the scope of this compulsory specification.
- 3.4 Failure to provide such proof shall constitute reasonable grounds for suspicion of non-compliance with the requirements of this compulsory specification.

4. SPECIFIC REQUIREMENTS

- 4.1 Luminaires shall comply with relevant requirements of SANS 60598-1 *Luminaires - Part 1: General requirements and tests*, together with the appropriate Part(s) 2 of the SANS 60598 series.
- 4.2 All luminaires with fluorescent, HID and LED light sources shall comply with the power factor requirements of SANS 475, *Luminaires for interior lighting, street lighting and floodlighting – Performance requirements*

5. EQUIVALENCE OF STANDARDS

Standards issued by different standardization bodies such as ISO and EN, will only be accepted if it is proven, in the form of a declaration report from an accredited conformity assessment body, that they are technically equivalent to the relevant South African National Standard. The applicant shall be responsible for obtaining such a declaration report. Proof of conformity with such a standard shall be accepted as conformity with the corresponding South African National Standard.

6. CONFORMITY TO REFERENCED STANDARDS

- 6.1 For the purposes of this compulsory specification, a new edition of a referenced standard shall become effective twelve (12) months from the date of publication as a South African National Standard.
- 6.2 New products, or products resubmitted for approval because of a change in design or materials, shall in all cases be evaluated against the requirements of the latest edition of any referenced standard.
- 6.3 When a new edition of a referenced standard is published, products originally approved in accordance with the previous edition of that standard may have their approval extended for up to five years from the effective date of the new standard, subject to the requirements of Annex A or Annex B, unless declared otherwise by the Minister.

7. EVIDENCE OF CONFORMITY

One of the following options of evidence shall be submitted to the NRCS as proof of conformity with the requirements of this compulsory specification:

7.1 Option 1, for luminaires without a product certification:

7.1.1 Test reports in IEC/EN format or any equivalent format acceptable to the NRCS and issued by an appropriately accredited and internationally recognized body being a member of an IAF/ILAC/IECEE mutual recognition scheme in accordance with the NRCS's conformity assessment policy.

7.1.2 The test reports shall prove conformity with all the applicable mandatory requirements.

7.1.3 Evidence of conformity shall be traceable to the specific luminaire type(s).

7.2 Option 2, for luminaires with product certification:

7.2.1 A product certificate and a valid test report issued by an appropriately accredited and internationally recognized body being a member of an IAF/ILAC/IECEE mutual recognition scheme in accordance with the NRCS's conformity assessment policy.

7.2.2 The certification system administered by the product certification body in 7.2.1 shall include testing of the products and assessment of the quality system of the manufacturer. Surveillance of the quality system shall be conducted and representative samples of luminaires of each type or representative of the family of luminaires or of generically the same design in respect of components wiring methods, intended to comply with the requirements of this compulsory specification, shall be taken from the point of production and shall be assessed through inspection and/or testing for on-going conformity.

The certification system shall include the following:

- samples from the point of production requested by the certification body;
- determination of the characteristics of the samples by testing;
- initial assessment of the production process and quality system;
- evaluation of the test reports;
- decision on certification of the manufacturer;
- granting certification to the manufacturer;
- surveillance of the production process and quality system, and
- surveillance by testing of samples from the factory or the market.

A system 5 certification contemplated in ISO/IEC Guide 67 which covers the requirements of this clause shall be deemed to comply with these requirements.

ANNEX A

APPROVAL OF LUMINAIRES WITHOUT A PRODUCT CERTIFICATION

A.1 APPLICATION FOR APPROVAL

An application for approval of each type of luminaire intended for sale shall include:

A.1.1 Details of the type of luminaire(s) for which approval is sought and the standard(s) to which it is claimed to conform;

A.1.2 Details of the manufacturing plant(s) in which the luminaire type is produced;

A.1.3 For new applications, proof of conformity, with all the requirements of this compulsory specification, issued less than 36 months before the date of submission to the NRCS;

A.1.4 On expiry of the approval, an application for an extension may be granted, provided that all the conditions of the previous approval were met. In this case, proof of compliance, with all the requirements of the relevant compulsory specification, issued less than 60 months before the date of submission to the NRCS, shall be required;

A.1.5 Identification markings and other information appearing on the product; and

A.1.6 Any reasonable additional information, in order to clarify the above that may be requested by the NRCS.

A.2 APPROVAL

A.2.1 The NRCS shall assess the evidence of conformity supplied by the applicant and shall decide to grant approval or not, at its sole discretion.

A.2.2 The NRCS shall assign a unique number to each approval.

A.2.3 The NRCS shall issue a letter of authority certificate (LOA) for each successful application, to the applicant, when all the requirements have been met. The validity period of an LOA shall be three years and two years for an extension.

A.2.4 The approval granted with respect to each type of luminaire that is pursuant to this compulsory specification may be withdrawn at any time, after the manufacturer has been notified in writing, if the requirements have not been met or maintained.

ANNEX B

APPROVAL OF LUMINAIRES WITH A PRODUCT CERTIFICATION

B.1 APPLICATION FOR APPROVAL

An application for approval of each type of luminaire (or family of luminaires of generically the same construction) intended for sale shall include:

B.1.1 Details of the type of luminaire(s) for which approval is sought and the standard(s) to which it is claimed to conform;

B.1.2 Details of the manufacturing plant(s) in which the luminaire type is produced;

B.1.3 For new applications, proof of conformity as described in requirement 7.2 of this compulsory specification, with all the requirements of this compulsory specification, issued less than 36 months before the date of submission to the NRCS;

B.1.4 On expiry of the approval (LOA), an application for a new LOA may be granted, provided that all the conditions of the product certification were met. In this case, a valid product certificate and conformity of production shall be required.

B.1.5 Identification markings and other information appearing on the product or packaging of the product. (The products shall carry the appropriate product certification mark); and

B.1.6 Any reasonable additional information in order to clarify the above that may be requested by the NRCS.