

**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.

**2. DEFINITIONS**

2.1 For the purposes of this document, the definitions in SANS 60598-1, *Luminaires - Part 1: General requirements and tests* and SANS 1464-22, *Luminaires for emergency lighting* apply.

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 standards.

2.2.4 **Conformity of Production:** Proof (issued less than 12 months before the date of submission to the NRCS for approval) that electric luminaires offered for sale have been manufactured to the approved design and continue to comply with the requirements of this compulsory specification. The proof shall comprise of the manufacturer's quality management system certificate or report, and a control plan

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

2.2.6 **Product certification:** a document (a certificate or a permit or a license) issued by a body operating a product certification system described in 7.2 of this compulsory specification and accredited to SANS ISO/IEC 17065.

2.2.7 **Proof of conformity:** documented evidence of conformity with the requirements of this compulsory specification.

2.2.8 **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.

2.2.9 **Type:** a luminaire, or range of luminaires of similar construction, in compliance with the same standard, having the same IP (ingress protection) classification and class of protection against electrical shocks, equipped with light sources of the same nature and electrical components and circuitry and technology applied, which is essentially identical for the luminaire variants.

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

### 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, or import, or supply in accordance with the requirements of Annex A.

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 five (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** Luminaires for emergency lighting shall comply with the requirements of SANS 1464-22, *Luminaires for emergency lighting*.
- 4.3** Luminaires shall have a power factor at the supply terminal block of at least 0,85 and for luminaires fitted with fluorescent lamps or LED light sources with lamp power rating  $\leq 25W$ , the power factor shall be at least 0,5. The power factor must be marked on the product or packaging, or be declared in the test report.

#### **5. EQUIVALENCE OF STANDARDS**

Standard 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.

## **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 A valid test reports in IEC 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 valid test report 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 Evidence of conformity shall be traceable to the specific luminaire type(s).

## **ANNEX A**

### **APPROVAL OF LUMINAIRES**

#### **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 For luminaires without a product certification:**

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 For luminaires with a product certification:**

On expiry of the approval (LOA), an application for an extension may be granted, provided that a valid (as determined by the conformity assessment body) product certification and conformity of production are submitted to the NRCS.

**A.1.6** Identification markings and other information appearing on the product; and

**A.1.7** 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.

**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.