

**DRAFT SAINT LUCIA NATIONAL STANDARD**

**DNS/ IEC 62612: 2013**

**SELF-BALLASTED LED LAMPS FOR GENERAL LIGHTING  
SERVICES WITH SUPPLY VOLTAGES > 50 V – PERFORMANCE  
REQUIREMENTS (IEC 6212: 2013, IDT)**

**Edition 1.0**

**ENQUIRY STAGE 40 – March 2018**

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**THIS IS AN IDENTICAL ADOPTION OF INTERNATIONAL  
ELECTROTECHNICAL COMMISSION, IEC 62612: 2013.**

## GENERAL STATEMENT

The Saint Lucia Bureau of Standards was established under the Standards Act (No. 14 of 1990) and started operations on 01 April 1991. A broad-based 15-member Standards Council directs the affairs of the Bureau.

The Standards Act gives the Bureau the responsibility to develop and promote standards and codes of practice for products and services for the protection of the health and safety of consumers and the environment as well as for industrial development in order to promote the enhancement of the economy of Saint Lucia. The Bureau develops standards through consultations with relevant interest groups. In accordance with the provisions of the Standards Act, public comment is invited on all draft standards before they are declared as Saint Lucia National Standards.

The Bureau also administers the Metrology Act No. 17 of 2000. This legislation gives the Bureau the responsibility to regulate all weights and measures and to manage and co-ordinate the metrication of Saint Lucia.

The Bureau operates a Product Certification Scheme applicable to all products for which national standards exist. If a product satisfies all the requirements for certification, a licence to carry the **Saint Lucia Standard Mark** is issued to the manufacturer of the product. The presence of the mark on a product indicates that the product conforms to all the requirements of a specific national standard and assures consistent quality (of the product) to the consumer.

The Bureau is a member body of the International Organisation for Standardisation (ISO), an affiliate member of the International Electrotechnical Commission (IEC) and a member of the CARICOM Regional Organisation for Standards and Quality (CROSQ) and the Pan American Standards Commission (COPANT). The Bureau is the local agent for several foreign standards bodies such as the British Standards Institution (BSI) and the ASTM International (formerly known as the American Society for Testing and Materials). The Bureau serves as the enquiry point for the World Trade Organisation (WTO) on matters pertaining to the Technical Barriers to Trade (TBT) Agreement. The Bureau also serves as the National CODEX Alimentarius enquiry point with responsibility for coordinating national positions on CODEX matters.

In accordance with good practice for the adoption and application of standards, Saint Lucia National Standards are subject to review every five years. Suggestions for improvements are always welcomed at any time after publication of the standard.

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**AMENDMENTS ISSUED SINCE LAST PUBLICATION**

<b>Amendment No.</b>	<b>Date of issue</b>	<b>Type of Amendment</b>	<b>Text(s) Affected</b>

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**ATTACHMENT PAGE FOR SLBS AMENDMENT SHEET**

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**The following persons comprised the Technical Committee which was responsible for the formulation of the standard:**

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National Consumer's Association

Ministry of Commerce, Industry,  
Enterprise Development and Consumer  
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Sir Arthur Lewis Community College

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General Interest

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Ministry of Economic Development,  
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Civil Aviation

Sir Arthur Lewis Community College

Ministry of Infrastructure, Port Services  
and Transport

General Interest

Organization of Eastern Caribbean States  
(Secretariat)

General Interest

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## National foreword

This national standard SLNS/ IEC 62612: 2013 is an identical adoption of *IEC 62612: 2013 Self-ballasted LED lamps for general lighting services with supply voltages >50 V – Performance requirements*. This is the first edition of the international publication. This new standard was adopted by the national standards council on.....

This standard was adopted as part of a Caribbean Community (CARICOM) initiative through the CARICOM Regional Organisation for Standards and Quality (CROSQ) to adopt standards for performance of compact fluorescent lamps (CFL) and light emitting diode (LED) lamps. The standards adopted as part of these project will be regionally accepted and recognised as regional standards having been adopted by member states.

An LED lamp is a light-emitting diode (LED) product which is assembled into a lamp (or light bulb) for use in lighting fixtures. LED lamps have a lifespan and electrical efficiency which are several times longer than incandescent lamps, and significantly more efficient than most fluorescent lamps, with some chips able to emit more than 300 lumens per watt. The LED lamp market is projected to grow by more than twelve-fold over the next decade.

Most LEDs do not emit light in all directions, and their directional characteristics affect the design of lamps, although omnidirectional lamps which radiate light over a 360° angle are becoming more common. The light output of single LED is less than that of incandescent and compact fluorescent lamps; in most applications multiple LEDs are used to form a lamp, although high-power versions are becoming available.

IEC 62612:2013 specifies the performance requirements, together with the test methods and conditions, required to show compliance of LED lamps with integral means for stable operation, intended for domestic and similar general lighting purposes, having:

- a rated power up to 60 W;
- a rated voltage of > 50 V a.c. up to 250 V a.c.;
- a lamp cap as listed in IEC 62560.

Throughout the text of this standard where reference is made to “International Standard” it shall be taken to mean “National Standard” having been adopted as Saint Lucia National Standard without deviation.

**NOTICE**

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**Only informative sections of the standards are publically available ONLINE.**

**To access the full text/content of this standard please contact the Saint Lucia Bureau of Standards for more information to obtain a copy of the full text available to you for comment.**

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