

[DEPARTMENT ADMINISTRATIVE ORDER NO. 18-02, February 23, 2018]

**MANDATORY PHILIPPINE NATIONAL STANDARD (PNS) FOR
SELF- BALLASTED LED LAMPS FOR GENERAL LIGHTING
SERVICES**

*Adopted: 29 January 2018
Date Filed: 23 February 2018*

1. Pursuant to Republic Act 4109, Republic Act 7394, Executive Order No. 913 Series of 1983, Executive Order No. 133 Series of 1987, Executive Order No. 101 Series of 1967, Department Administrative Order No. 4 Series of 2008, Department Administrative Order No. 5 Series of 2008, Department Administrative Order No. 2 Series of 2007; and Sec. 10 (4), Title X Book IV of the Administrative Code of 1987, the following Philippine National Standard is hereby adopted for mandatory implementation:

PNS IEC 62560:2012 - Self-Ballasted LED Lamps for General Lighting Services by Voltage > 50V - Safety Requirements

2. All manufacturers, distributors, importers, and retailers of said product shall comply with the requirements of this standard.

3. A third party certification, known as the Product Certification Scheme of the DTI – Bureau of Philippine Standards (BPS), requires all manufacturers and importers of said product to secure a Philippine Standard (PS) License and an Import Commodity Clearance (ICC), respectively, prior to its distribution and sale.

4. Terms and Definitions

In addition to the definitions provided in the standard, the following shall apply:

4.2.1 **BPS** – Bureau of Philippine Standards

4.2.2 **DTI** – Department of Trade and Industry

4.2.3 **FTEB** – Fair Trade Enforcement Bureau

4.2.4 **PS Quality and/or Safety Certification Mark License** – document issued by BPS to a company authorizing its use of the PS Quality and/or Safety Certification Mark on the products in accordance with the rules of the certification scheme

4.2.5 **Importer** – an entity engaged in the importation of the product

4.2.6 **Manufacturer** – an entity engaged in the manufacture or assembly of the product

4.2.7 **Licensee** – manufacturer issued a PS Certification Mark

License/Import Commodity Clearance

4.2.8 **Test Samples** – the product picked out at random from a lot or batch Mandatory Philippine National Standard (PNS) for Self- ballasted LED Lamps (PNS IEC 62560:2012)

4.2.9 **Self-ballasted LED Lamp** – unit which cannot be dismantled without being permanently damaged, provided with a lamp cap and incorporating a LED light source and any additional elements necessary for stable operation of the light source

4.2.10 **Basic Model/Type** – one that represents a set of generic characteristics of a group of products

4.2.11 **Generic Model** – refers to a model or series of models which critical components together with its mechanical and electrical designs are similar including energy source, electrical characteristics, and other physical or functional characteristics with the base model

5. **Implementing Guidelines**

The Implementing Guidelines for the Mandatory Certification of the said product shall be as follows:

5.1 **Scope**

The scope of implementation shall cover Self-ballasted LED-Lamps for General Lighting Services by Voltage > 50 V - Safety Requirements covered by PNS IEC 62560:2012, intended for domestic and similar general lighting purposes, having:

- a rated wattage up to 30 W
- a rated voltage > 50 V up to 250 V
- E14 and E27 caps

5.2 **Authorities and Responsibilities of DTI/BPS**

Duties and responsibilities of DTI/BPS prescribed in DAO 4:2008, DAO 5:2008, and their future amendments shall apply.

5.3 Application for PS or ICC Certification

5.3.1 Manufacturers shall apply for the Philippine Standard (PS) Quality and/or Safety Certification Mark License in accordance to the requirements of DAO 4:2008, its implementing rules and regulations, and their future amendments.

5.3.2 Importers shall apply for the Import Commodity Clearance (ICC) in accordance to the requirements of DAO 5:2008, its implementing rules and regulations, and their future amendments.

5.4 **Sampling**

5.4.1 For ICC application, ten (10) pieces of samples per basic model/type per brand shall be randomly

drawn from the shipment at the importer's warehouse by a duly authorized DTI/BPS representative.

5.4.2 For PS Certification Mark License application, 20 pieces of samples per basic model/type per brand for each set shall be randomly drawn from the manufacturer's production line or warehouse by a duly authorized DTI/BPS representative. The first 10 pieces shall be tested in-plant as witnessed by the authorized DT/BPS representative. The remaining units shall be packed/sealed and signed by the authorized DT/BPS representative for independent testing upon satisfactory results of the in-plant test.

5.4.3 Test samples for independent testing shall be packed/sealed and signed by the authorized DTI/BPS representative and shall be sent by the manufacturer or importer to BPS recognized testing laboratory within seven (7) working days upon drawing of samples. The authorized DTI/BPS representative shall ensure that the Request for Test form is properly filled-up, signed and issued to the manufacturer or importer.

5.4.4 For generic models, one (1) complete unit shall be drawn and be sent together with its base model to the BPS recognized testing laboratory for actual verification purposes.

5.4.5 Prior to testing, there shall be no special preparation, modification or adjustment, quality control, testing or assembly procedure conducted in any manner on a test sample or any parts and sub- assemblies thereof, which is not normally performed during production and assembly.

5.5 In-plant Test

5.5.1 The manufacturer shall have the capability to conduct the following minimum test parameters as prescribed by PNS IEC 62650:2012 using its own inspection, measuring, and testing equipment:

5.5.1.2 Interchangeability

5.5.1.3 Protection against accidental contact with live parts

5.5.1.4 Insulation resistance and electric strength test

5.5.1.5 Mechanical strength test (Torsion resistance)

5.5.1.6 Cap temperature rise

5.5.2 The manufacturer shall establish a system and procedure of ensuring the full compliance of its products to the requirements of PNS IEC 62650:2012 as part of its quality control.

5.6 Independent Testing