

CENTRAL MARKS DEPARTMENT – II (Legal)

Our Ref: CMD-II (L)/16: 16102 (Part 1)

10 06 2015

Subject: Implementation of Amendment No 1 March 2015 to IS 16102 (Part 1):2012 Self- ballasted LED lamps for General Lighting ServicesPart 1 Safety Requirements.

Amendment No 1 March 2015 to IS 16102 (Part 1):2012 Self- ballasted LED lamps for General Lighting Services Part 1 Safety Requirements has been issued. The said amendment has been notified vide Gazette Notification (Extraordinary) dated 30 April 2015 with **date of establishment 23 April 2015** (copy of the amendment is enclosed).

As per DEITY Notification dated 07 November 2014, **IS 16102 (Part 1):2012 Self-ballasted LED lamps for General Lighting Services Part 1 Safety Requirements has been brought under the ambit of Compulsory Registration Scheme (CRS) with effect from 13 05 2015.**

The said amendment shall be implemented with immediate effect.

This is issued with the approval of the Competent Authority for information and compliance.

(Sunil Kumar)

Sc. F

Head CMD-II (Legal)

All ROs/BOs/SBOs/BIS Labs

- Copy to :
- i) Head (ITSD) is requested to host this circular with attached Amendment on intranet & website.
 - ii) Head (ETD)
 - iii) Head (SDoC)
 - iv) Head LPPD – Please update the testing facilities as per above amendment.

AMENDMENT NO. 1 MARCH 2015
TO
IS 16102 (PART 1) : 2012 SELF-BALLASTED LED
LAMPS FOR GENERAL LIGHTING SERVICES
PART 1 SAFETY REQUIREMENTS

(Page 4, clause 8.1.1, Note) — Delete.

(Page 4, clause 8.1.1) — Insert the following at the end:

‘The insulation resistance of B 22 caps between shell and contact shall be not less than 5 MΩ.’

(Page 4, clause 8.2) — Substitute the following for the existing clause:

8.2 Immediately after the insulation resistance test, the same parts as specified above shall withstand a voltage test for 1 min with an a.c. voltage or a d.c. voltage equal to the peak voltage of the prescribed a.c. voltage as follows:

During the test, the supply contacts of the cap are short-circuited. Accessible parts of insulating material of the cap are covered with metal foil. Initially, no more than half the voltage prescribed in Table 10.2 of IS 10322 (Part 1) for Class II luminaires is applied between the contacts and the metal foil. It is then gradually raised to the full value. Care shall be taken that the metal foil is so placed that no flashover occurs at the edges of the insulation.

No flashover or breakdown shall occur during the test. Measurements shall be carried out in the humidity cabinet or within 1 min after removal of the sample out of humidity cabinet.

NOTE — The use of a.c. or d.c. voltage is advised by the manufacturer.’