

(PREVIEW)

Indian Standard

d.c. OR a.c. SUPPLIED ELECTRONIC CONTROL GEAR FOR LED MODULES — PERFORMANCE REQUIREMENTS

1 SCOPE

This standard specifies performance requirements for electronic control gear for use on d.c. supplies up to 1 000 V and a.c. supplies up to 1 000 V at 50 Hz with an output frequency which can deviate from the supply frequency, associated with LED modules according to IS 16103 (Part 1) : 2012 'LED modules for general lighting: Part 1 Safety requirements'. Control gear for LED modules specified in this standard are designed to provide constant voltage or current. Deviations from the pure voltage and current types do not exclude the gear from this standard.

NOTES

1 The tests in this standard are type tests. Requirements for testing individual control gear during production are not included.

2 Requirements for control gear which incorporate means for varying the output power are under consideration.

3 It may be expected that control gear complying with this standard will ensure satisfactory operation between 92 percent and 106 percent of the rated supply voltage, taking into account the specifications of the LED module manufacturer.

2 REFERENCES

The standards listed below contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed as follows:

<i>IS No.</i>	<i>Title</i>
10673 : 1983	Sampling plans and procedures for inspection by attributes for electronic items
15885 (Part 1) : 2011	Safety of lamp controlgear: Part 1 General requirements
15885 (Part 2/ Sec 13) : 2012	Safety of lamp controlgear: Part 2 Particular requirements, Section 13 d.c. or a.c. supplied electronic controlgear for LED modules