

Indian Standard

BALLASTS FOR TUBULAR FLUORESCENT LAMPS — PERFORMANCE REQUIREMENTS

1 SCOPE

This standard specifies performance requirements for ballasts, excluding resistance types, for use on ac supplies up to 1 000 V at 50 Hz, associated with tubular fluorescent lamps with pre-heated cathodes operated with or without a starter or starting device and having rated wattages, dimensions and characteristics as specified in IS 2418 (Part 2) : 1977 'Tubular fluorescent lamps for general lighting service: Part 2 Standard lamp data sheets (*first revision*)' and IS 15687 (Part 2) : 2010 'Single capped fluorescent lamps: Part 2 Performance requirements'. It applies to complete ballasts and their component parts such as resistors, transformers and capacitors.

The ac supplied electronic ballasts for tubular fluorescent lamps for high frequency operation specified in IS 15885 (Part 2/Sec 3) : 2010 'Safety of lamp controlgear: Part 2 Particular requirements, Section 3 ac supplied electronic ballasts for fluorescent lamps' are excluded from the scope of this standard.

2 REFERENCES

The following Indian Standards are necessary adjuncts to this standard:

<i>IS No.</i>	<i>Title</i>
2418	Tubular fluorescent lamps for general lighting service:
(Part 1) :1977	Requirements and tests (<i>first revision</i>)
(Part 2) :1977	Standard lamp data sheets (<i>first revision</i>)
2500 (Part 1) : 2000	Sampling inspection procedures: Part 1 Attribute sampling plans indexed by acceptable quality level (AQL) for lot- by- lot inspection (<i>third revision</i>)
15687(Part 2) : 2010	Single capped fluorescent lamps: Part2 Performance requirements
15885	Safety of lamp Controlgear:
(Part 1) :2010	General requirements
(Part 2/Sec 3) : 2010	Particular requirements, Section 3 ac supplied electronic ballasts for fluorescent lamps
(Part 2/Sec 8): 2010	Particular requirements, Section 8 Ballast for fluorescent lamps