

(PREVIEW)

Indian Standard

TUNGSTEN FILAMENT LAMPS FOR DOMESTIC AND SIMILAR GENERAL LIGHTING PURPOSES

1 SCOPE

1.1 This standard applies to tungsten filament incandescent lamps for general lighting service (GLS) which comply with the safety requirements in Doc ET 23 (5291) and having:

- rated wattage of 15 W, 25 W, 40 W, 60 W, 100 W, 150 W and 200 W;
- rated voltage 110 V, 230 V, 240 V and 250 V, including marked voltage range not exceeding ± 2.5 percent of the mean voltage(*see* Note 1).
- bulbs of the A, K, M or PS shapes (*see* IS 14897 for glass bulb designation);
- bulbs with clear, frosted or equivalently coated finishes, or white finishes
- caps B22d or E27.

The shell diameter of lamps shall be from 54 to 62 mm for ratings up to 100 W.

Specific lamp types are covered in Annex G.

This standard states the performance requirements for lamps, including test methods and means of confirming compliance with the requirements. Whole production appraisal methods regarding a lamp manufacturer's test record on finished products are defined. This method can be applied for certification purposes. Details of batch test procedure, which can be used to make an assessment of specific batches, are included, but it is not suitable for certification purposes.

NOTES

1 In the process of changing to 230 V nominal supply voltage; a range of ± 3.5 percent shall apply temporarily

2 Nomenclature for bulbs used as envelope for lamps specified in this standard are given in IS 14897

2 REFERENCES

2.1 The following Indian Standards are necessary adjuncts to this standard:

<i>IS No.</i>	<i>Title</i>
14897 : 2000 Doc ET 23 (5291)	Glass bulb designation system for lamps — Guide Safety requirements for tungsten filament incandescent lamps for domestic and similar general lighting purposes (<i>under print</i>)