

Indian Standard

LUMINAIRES

PART 1 GENERAL REQUIREMENTS AND TESTS

(First Revision)

SECTION 0 GENERAL INTRODUCTION	IS No.	Title
0.1 SCOPE	1271:1985	Thermal evaluation and classification of electrical insulation (<i>first revision</i>)
This standard (Part 1) specifies general requirements for luminaires, incorporating electric light source for operation from supply voltages up to 1 100 V. The requirements and related tests of this standard covers:	1258:2005	Bayonet lampholders (<i>second revision</i>)
a) Classification;	1293:2005	Plugs and socket-outlets of rated voltages up to and including 250 volts and rated current up to and 16 amperes (<i>third revision</i>)
b) Marking;	1258:2005	Protection of persons and equipment by enclosures — Probes for verification (<i>second revision</i>)
c) Mechanical construction; and	1258:2005	Safety transformers (<i>first revision</i>)
d) Electrical construction.	1258:2005/IEC 61031:1997	Starters for fluorescent lamps (<i>third revision</i>)
Each section of this standard 1 shall be read in conjunction with this Section 0 and with other relevant sections to which reference is made.	1416:1972	Method for determining the comparative tracking index of solid insulating materials under moist conditions (<i>first revision</i>)
Attention is drawn to the fact that this standard 1 covers all aspects of safety (electrical, thermal and mechanical).	2215:1983	Appliance-connectors and appliance-inlets (non reversible three pin type): Part 1 Appliance connectors
The presentation of photometry data for luminaires is not included in this standard 1.	2824:1975	Appliance-connectors and appliance-inlets (non reversible three pin type): Part 2 Appliance inlets
Requirements are included in this standard 1 for luminaires incorporating ignitors with nominal peak values of the rated voltage pulse voltage not exceeding those of Table 11.2. The requirements apply to luminaires with ignitors built into ballast's and to luminaires with ignitors separate from ballasts. For luminaires with ignitors built into lamps, the requirements are under consideration.	3010 (Part 1): 1965	Bi-pin lamp holders for tubular fluorescent (<i>first revision</i>)
Requirements for semi-luminaires are included in this standard 1.	3010 (Part 2): 1965	Metal clad base material for printed circuit for use in electronic and telecommunication equipment: Part1 General requirements and test (<i>second revision</i>)
0.2 REFERENCES	3323:1980	Ballasts for high pressure mercury vapour lamps (<i>first revision</i>)
The following standards are necessary adjunct to this standard:	5921 (Part 1): 1993	Guide for the determination of thermal endurance properties of electrical insulating materials
<i>IS No.</i>	<i>Title</i>	
616:1986	Safety requirements for mains operated electronic and related apparatus for household and similar general use (<i>second revision</i>)	Method of measurement of lamp cap temperature rise
694:1990	PVC insulated cables for working voltages up to and including 1 100V (<i>first revision</i>)	Basic environmental testing procedures for electronic and electrical items: Part 7 Impact test

(PREVIEW)

IS 10322 (Part 1) : 2014

<i>IS No.</i>	<i>Title</i>
9968 (Part 1): 1988	Elastomer insulated cables : Part 1 For working voltages up to and including 1 100 V (<i>first revision</i>)
9974 (Part 1): 1981	High pressure sodium vapour lamps: Part 1 General requirements and tests
9974 (Part 2): 1981	High pressure sodium vapour lamps: Part 2 Standard lamp data sheets
10276 (Part 2): 1982	Edison screw lamp holders: Part 2 Standard data sheets for lamp holders and gauges
10322 (Part 5)	Luminaries: Part 5 Particular requirements
10322 (Part 5/ Sec 4):1987	Luminaries: Part 5 Particular requirements, Section 4 Portable general purpose luminaries
11000 (Part 2/ Sec 2):1984	Fire hazard testing: Part 2 Test method, Section 2 Needle-flame test
11000 (Part 2/ Sec1):1984	Fire hazard testing: Part 2 Test method, Sec 1 Glow wire test
11654 (All parts) 12063:1987	Flexible insulating sleeving Classification of degrees of protection provided by enclosures of electrical equipment
15382 (Part 1): 2003	Insulation coordination for equipment within low voltage system: Part 1 Principle requirements and test
15382 (Part 3): 2006	Insulation coordination for equipment within low voltage system: Part 3 Use of coatings, potting or moulding for protection against pollution
12948:1990	Tungsten halogen lamps (non- vehicle)
15518 (Part 1): 2004	Safety requirements for incandescent lamps: Part 1 Tungsten filament lamps for domestic and similar general lighting purposes
15687 (Part 1): 2006	Single-capped fluorescent lamps: Part 1 Safety requirements
SP 30:1985	National Electrical Code
IS QC 302400: 1994	Fixed capacitors for use in electronic equipment — Sectional specification for fixed capacitors for electro- magnetic interference suppression and connection to the supply mains
ISO 75 (1987)	Plastic and ebonite — Determination of temperature of deflection under load