

BUREAU OF INDIAN STANDARDS

Program of Work

ETD 23 : Lamps and Related Equipments

Scope: To prepare standards for all types of electric lamps, caps and their auxiliaries

Liaison: **IEC TC-34 SC-34B (P): Lamp caps and holders IEC TC-34 SC-34C (P): Auxiliaries for lamps IEC TC-34 (P): Lighting IEC TC-34 SC-34A (P): Electric light sources**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 11472 (Part 1) : 1985 <i>Reviewed In : 2018</i> <i>IEC</i> <i>60598-2-21:2014</i>	Specification for artificial daylight for the assessment of colour: Part 1 illuminant for colour matching and colour appraisal	March, 2018	-	Modified/Technically Equivalent
2	IS 11472 (Part 2) : 1985 <i>Reviewed In : 2018</i> <i>BS 950 (Part 2)-1967</i>	Specification for artificial daylight for the assessment of colour: Part 2 viewing conditions for graphic arts industry	March, 2018	-	Modified/Technically Equivalent
3	IS 11980 : 1987 <i>Reviewed In : 2017</i>	Specification for lamp (Bulb) for cycle dynamo	March, 2017	-	Indigenous
4	IS 12290 : 1987 <i>Reviewed In : 2024</i> <i>FAA Advisory Circular No. 150/5345-47 (1975)</i>	Specification for isolating transformers for airport lighting systems	May, 2024	-	Modified/Technically Equivalent
5	IS 12291 : 1987 <i>Reviewed In : 2024</i> <i>Advisory Circular No. 150/5345-10 E (1984) issued by the Department of Transportation, Federal Avi</i>	Specification for constant current regulators for airport lighting systems	January, 2024	-	Modified/Technically Equivalent
6	IS 12897 : 2001 <i>Reviewed In : 2016</i>	Filaments for general service lamps - Guide (First Revision)	March, 2016	1	Indigenous
7	IS 12948 : 1990 <i>Reviewed In : 2024</i> <i>IEC Publication 357 (1982)</i>	Tungsten halogen lamps (Non - Vehicle) - Specification	April, 2024	1	Modified/Technically Equivalent
8	IS 13021 (Part 2) : 1991 <i>Reviewed In : 2024</i> <i>IEC Dot : 34 C (Central Office) 173 and IEC Pub 555-2 :</i>	AC supplied electronic ballasts for tubular fluorescent lamps - Specification: Part 2 performance requirements	May, 2024	2	Modified/Technically Equivalent

	(1982)				
9	IS 14897 : 2021 60887 60887	GLASS BULB DESIGNATION SYSTEM FOR LAMPS		-	Identical under dual numbering
10	IS 15111 (Part 1) : 2002 Reviewed In : 2017	Self ballasted lamps for general lighting services: Part 1 safety requirements	January, 2017	6	Indigenous
11	IS 15111 (Part 2) : 2002 Reviewed In : 2017 IEC 60969 (1988)	Self ballasted lamps for general lighting services: Part 2 performance requirements	February, 2017	7	Modified/Technically Equivalent
12	IS 15518 (Part 1) : 2004 Reviewed In : 2019 IEC 60432-1 (1999)	Safety requirements for incandescent lamps: Part 1 tungsten filament lamps for domestic and similar general lighting purposes	August, 2019	3	Modified/Technically Equivalent
13	IS 15687 (Part 1) : 2006 Reviewed In : 2016	Single - Capped fluorescent lamps: Part 1 safety requirements		-	Indigenous
14	IS 1569 : 1976 Reviewed In : 2021 Reaffirmed but not taken up for revision IEC document 34C (Central Office) 59	Specification for capacitors for use in tubular fluorescent, high pressure mercury and low pressure sodium vapour discharge lamp circuits (First Revision)	July, 2021	1	Modified/Technically Equivalent
15	IS 15882 : 2009 Reviewed In : 2019 IEC 60923 : 2006	Ballasts for discharge lamps (Excluding Tubular Fluorescent Lamps) - Performance requirements		-	Modified/Technically Equivalent
16	IS 15885 (Part 1) : 2011 Reviewed In : 2021	Safety of lamp controlgear: Part 1 general requirements	May, 2021	1	Indigenous
17	IS 15885 (Part 2/Sec 1) : 2011 Reviewed In : 2016 IEC 61347-2-1 (2000)	Safety of lamp control gear: Part 2 particular requirements: Sec 1 starting devices (Other Than Glow Starters)	February, 2016	-	Modified/Technically Equivalent
18	IS 15885 (Part 2/Sec 3) : 2011 Reviewed In : 2016 IEC 61347-2-3 (2004)	Safety of lamp control gear: Part 2 particular requirements: Sec 3 ac supplied electronic ballasts for fluorescent lamps	January, 2016	-	Modified/Technically Equivalent
19	IS 15885 (Part 2/Sec 8) : 2011 Reviewed In : 2016 IEC 61347-2-8 (2000)	Safety of lamp control gear: Part 2 particular requirements: Sec 8 ballasts for fluorescent lamps	January, 2016	-	Modified/Technically Equivalent
20	IS 15885 (Part 2/Sec 9) : 2011 Reviewed In : 2016 IEC 61347-2-9	Safety of lamp control gear: Part 2 particular requirements: Sec 9 ballasts for discharge lamps (Excluding Fluorescent Lamps)	March, 2016	-	Modified/Technically Equivalent
21	IS 15885 (Part 2/Sec 13) : 2012 Reviewed In : 2017 n IEC 61347-2-13, Ed 1 2006-05, IEC 34C/901A/DC	Safety of lamp controlgear: Part 2 particular requirements: Sec 13 d.c. or a.c. supplied electronic controlgear for led modules	February, 2017	1	Modified/Technically Equivalent
22	IS 15906 : 2010 Reviewed In : 2021 IEC Doc:	Measurement of mercury level in fluorescent lamps	May, 2021	-	Modified/Technically Equivalent

	34A/1230/NP				
23	IS 15967 (Part 1) : 2013 ISO 7543-1 :1994 Reviewed In : 2018 ISO 7543-1 :1994	Capacitors for use in tubular fluorescent and other discharge lamp circuits: Part 1 safety requirements	June, 2018	-	Identical under dual numbering
24	IS 15967 (Part 2) : 2013 ISO 7543-2 :1993 Reviewed In : 2018 ISO 7543-2 :1993	Capacitors for use in tubular fluorescent and other discharge lamp circuits: Part 2 performance requirements	May, 2018	-	Identical under dual numbering
25	IS 15968 : 2013 Reviewed In : 2018	Ballasts for tubular fluorescent lamps - Performance requirements	May, 2018	-	Indigenous
26	IS 15974 : 2013 Reviewed In : 2018 IEC 60927 : 2004	Auxiliaries for lamps starting devices (Other Than Glow Starters) - Performance requirements	December, 2018	-	Modified/Technically Equivalent
27	IS 16101 : 2012 IEC/TS 62504 :2011 Reviewed In : 2017 IEC/TS 62504	General lighting - Leds and led modules - Terms and definitions	February, 2017	-	Identical under dual numbering
28	IS 16102 (Part 1) : 2012 Reviewed In : 2024 IEC 62560 : 2011	Self - Ballasted led lamps for general lighting services: Part 1 safety requirements	May, 2024	3	Modified/Technically Equivalent
29	IS 16102 (Part 2) : 2017 Reviewed In : 2024 IEC 62612 : 2013	Self - Ballasted led lamps for general lighting services: Part 2 performance requirements (First Revision)	May, 2024	1	Modified/Technically Equivalent
30	IS 16103 (Part 1) : 2012 Reviewed In : 2024 IEC 62031 : 2008	Led modules for general lighting: Part 1 safety requirements	May, 2024	1	Modified/Technically Equivalent
31	IS 16103 (Part 2) : 2012 Reviewed In : 2024 IEC 62717	Led modules for general lighting: Part 2 performance requirements	May, 2024	3	Modified/Technically Equivalent
32	IS 16104 : 2012 Reviewed In : 2024 IEC 62384 : 2006	D.C. or A.C. supplied electronic control gear for led modules - Performance requirements	May, 2024	-	Modified/Technically Equivalent
33	IS 16105 : 2012 Reviewed In : 2017 IES-LM-80-2008	Method of measurement of lumen maintenance of solid state light (Led) sources	February, 2017	-	Modified/Technically Equivalent
34	IS 16106 : 2012 Reviewed In : 2017 IES-LM-80-2008	Method of electrical and photometric measurements of solid state lighting (Led) products	February, 2017	-	Modified/Technically Equivalent
35	IS 16107 (Part 2/Sec 2) : 2017	Luminaries Performance Part 2 Particular Requirements Section 2 LED Street Lighting Luminarie		-	Indigenous
36	IS 16108 : 2012 IEC 62471 :2006 Reviewed In : 2024 IEC 62471:2006	Photobiological safety of lamps and lamp systems	May, 2024	-	Identical under dual numbering
37	IS 16108 (Part 2) : 2018 IEC/TR 62471-2 : 2009 IEC 62471-2	Photobiological safety of lamps and lamp systems: Part 2 guidance on manufacturing requirements relating to non - Laser optical radiation safety		-	Identical under dual numbering

38	IS 16108 (Part 3) : 2018 IEC/TR 62471-3 : 2015 IEC 62471-3	Photobiological safety of lamps and lamp systems: Part 3 guidelines for the safe use of intense pulsed light source equipment on humans		-	Identical under dual numbering
39	IS 16148 : 2014 IEC 61167:2011 Reviewed In : 2019 IEC61167:2011	Metal halide lamps - Performance specification	February, 2019	-	Identical under dual numbering
40	IS 16166 : 2014 IEC 62554:2011 Reviewed In : 2019 IEC 62554:2011	Sample preparation for measurement of mercury level in fluorescent lamps	February, 2019	-	Identical under dual numbering
41	IS 16614 (Part 1) : 2018 Reviewed In : 2024 IEC 62776 : 2014	Double- Capped LED Linear Lamps Part1 Safety Specification	May, 2024	-	Modified/Technically Equivalent
42	IS 16614 (Part 2) : 2022	Double-Capped LED Linear Lamps Part 2 Performance Specification		-	Indigenous
43	IS 16661 : 2019 IEC/TR 62778 : 2014 IEC 62778	Application of IS 16108/IEC 62471 for the assessment of blue light hazard to light sources and luminaires		-	Identical under dual numbering
44	IS 2215 : 2006 IEC 60155 Reviewed In : 2020 IEC 60155	Starters for fluorescent lamps (Third Revision)	March, 2020	-	Modified/Technically Equivalent
45	IS 2262 : 1963 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for transformers for high voltage luminous discharge tubes	March, 2021	-	Indigenous
46	IS 2407 : 1963 Reviewed In : 2024 B. S. 354 : 1961 RE COMMENDATION S FOR PHOTOMETRIC INTEGRATORS. British Standards Institution. WALSH,	Specification for photometric integrators	May, 2024	-	Modified/Technically Equivalent
47	IS 2418 (Part 1) : 2018 IEC 81	Tubular fluorescent lamps for general lighting service: Part 1 safety requirements (Second Revision)	-	1	Modified/Technically Equivalent
48	IS 2418 (Part 2) : 2018 IEC 81	Tubular fluorescent lamps for general lighting service: Part 2 performance requirements (Second Revision)		1	Modified/Technically Equivalent
49	IS 2418 (Part 3) : 1977 IEC 61-1 Reviewed In : 2024 IEC 61-1	Specification for tubular fluorescent lamps for general lighting service: Part 3 dimensions of g - 5 and g - 13 bi - Pin cpas (First Revision)	May, 2024	1	Identical under dual numbering
50	IS 2418 (Part 4) : 1977 IEC 61-3	Specification for tubular fluorescent lamps for general lighting service: Part 4 go and no -	May, 2024	-	Identical under dual numbering

	Reviewed In : 2024 IEC-3	Go gauges for g - 5 and g - 13 bi-pin caps (First Revision)			
51	IS 2592 : 1980 Reviewed In : 2017 IN Schedule EE/ 95, DEF/ 133 (February 1963)	Specification for lamps for lighting on board ships (First Revision)	March, 2017	-	Modified/Technically Equivalent
52	IS 2596 : 2004 Reviewed In : 2019 BS 535 : 1973 and IEC 60983 (1995)	Bulbs (Lamps) for Miners' Cap-Lamps		-	Modified/Technically Equivalent
53	IS 418 : 2004 IEC 60064 Reviewed In : 2019 IEC 60064	Tungsten filament lamps for domestic and similar general lighting purposes (Fourth Revision)	March, 2019	5	Modified/Technically Equivalent
54	IS/IEC/TR 61341 : 2010 IEC/TR 61341 : 2010 Reviewed In : 2024 IEC/TR 61341 : 2010	Method of Measurement of Centre Beam Intensity and Beam Angle(S) of Reflector Lamps	May, 2024	-	Identical under dual numbering
55	IS 6701 : 1985 Reviewed In : 2024 EC Pub 61 - 1 (1969)	Specification for tungsten filament miscellaneous electric lamps (First Revision)	March, 2024	2	Modified/Technically Equivalent
56	IS 8685 : 1977 IEC 60434 Reviewed In : 2024 IEC 60434	Specification for aircraft lamps	May, 2024	-	Identical under single numbering
57	IS 8901 : 1978 Reviewed In : 2016	Specification for lamps for aerodrome lighting fittings		1	Indigenous
58	IS 8913 : 1978 IEC 360 Reviewed In : 2024 IEC 360	Method of measurement of lamp cap temperature rise	May, 2024	-	Identical under dual numbering
59	IS 897 : 1982 Reviewed In : 2020 IEC Publication 61-1 (1969)	Specification for tungsten filament electric lamps for railway rolling stock (Second Revision)	March, 2020	3	Modified/Technically Equivalent
60	IS 9206 : 1979 IEC 60061-1 Reviewed In : 2024 IEC 60061-1	Dimensions of caps for tungsten filament general service electric lamps	May, 2024	5	Identical under dual numbering
61	IS 9589 : 1980 Reviewed In : 2017 BS : 469 : 1960	Specification for electric lamps for railway signalling	December, 2017	-	Modified/Technically Equivalent
62	IS 9900 (Part 1) : 1981 IEC 188 Reviewed In : 2022 IEC 188	Specification for high pressure mercury vapour lamps: Part 1 requirements and tests	July, 2022	4	Identical under dual numbering
63	IS 9900 (Part 2) : 1981 IEC 188 Reviewed In : 2022 IEC 188	Specification for high pressure mercury vapour lamps: Part 2 standard lamp data sheets	May, 2022	1	Identical under dual numbering
64	IS 9900 (Part 3) : 1981	Specification for high pressure mercury vapour lamps: Part 3	February, 2017	-	Identical under dual numbering

	IEC 188 Reviewed In : 2017 IEC 188	dimensions of lamp caps			
65	IS 9900 (Part 4) : 1981 IEC 61-3 Reviewed In : 2023 IEC 61-3	High pressure mercury vapour lamps : Part 4 Go and no-go gauges of lamp caps. (Superseding IS : 2183 and IS: 7023)	May, 2023	-	Identical under dual numbering
66	IS 9974 (Part 1) : 1981 IEC 662 Reviewed In : 2024 IEC 662	Specification for high pressure sodium vapour lamps: Part 1 general requirements and tests	March, 2024	5	Identical under dual numbering
67	IS 9974 (Part 2) : 1981 IEC 662 Reviewed In : 2024 IEC 662	Specification for high pressure sodium vapour lamps: Part 2 standard lamp data sheets	March, 2024	3	Identical under dual numbering

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Preliminary Draft Standards

SI. No.	Doc No.	Title
1	ETD 23 (25617) Revision of: IS 8913:1978	Standard method of measurement of lamp cap temperature rise First Revision

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Total Published Standards:66 Total Standards Under development:1

Aspect Wise Report

Product : 38

Code of Practices : 2
Methods of Test : 5
Terminology : 2
Dimensions : 5
System Standard : 0
Safety Standard : 11
Others : 3
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 10322 (Part 2) : 1982 Reviewed In : 2015	Luminaires - Part 2 Constructional Requirements
2	IS 10322 (Part 3) : 1984 Reviewed In : 2015	Luminaires - Part 3 Screw and Screwless Terminals Superseding IS 6585
3	IS 10322 (Part 4) : 1984 Reviewed In : 2015	Luminaires - Part 4 Methods of Tests
4	IS 12449 (Part 1) : 1988 Reviewed In : 2018 IEC draft 34C (Central Office) 152	Specification For starting devices Other Than Glow Starters Part 1 general and safety requirements
5	IS 12449 (Part 2) : 1988 IEC 60927 Reviewed In : 2018 IEC Document 34C (Central Office) 148	Specification For starting devices Other Than Glow Starters Part 2 performance requirements
6	IS 13021 (Part 1) : 1991 Reviewed In : 2016 IEC Publication 928 : 1990	AC supplied electronic ballasts for tubular fluorescent lamps - Specification Part 1 general and safety requirements
7	IS 1534 (Part 1) : 1977 IEC 82 Reviewed In : 2011 IEC 82	Ballasts for fluorescent lamps Part 1 For switch start circuits
8	IS 1901 : 1978 Reviewed In : 2017 BS 1050-1953, etc	Specification for visual indicator lamps First Revision
9	IS 2183 : 1973	Schedule for high pressure mercury vapour lamps
10	IS 2261 : 1975 Reviewed In : 2015	Specification for lamps for flashlights First Revision
11	IS 2418 (Part 1) : 1977 Reviewed In : 2010 ISO 21446 : 2019	Tubular Fluorescent Lamps for General Lighting Service - Part I Requirements and Tests
12	IS 3528 : 1966 Reviewed In : 2015	Waterproof Electric Lighting Fittings
13	IS 3553 : 1966 Reviewed In : 2015	Watertight Electric Lighting Fittings
14	IS 3646 (Part 2) : 1966 Reviewed In : 2013	Code of Practice for Interior Illumination - Part 2 Schedule of Illumination and Glare Index
15	IS 3646 (Part 3) : 1968 Reviewed In : 2013	Code of practice for interior illumination Part 3 Calculation of coefficients of utilization by the BZ method
16	IS 4242 : 1967 Reviewed In : 2000	Methods of measurement of acoustical noise emitted by ballasts for gaseous discharge lamps
17	IS 5077 : 1969 Reviewed In : 2015	Decorative Lighting Outfits
18	IS 6616 : 1982 IEC 262	Ballasts for high pressure mercury vapour lamps

	Reviewed In : 2011	
19	IS 7013 : 1981 Reviewed In : 2013	Radio dial lamps
20	IS 7023 : 1973	Methods of tests for high pressure mercury vapour lamps
21	IS 7027 : 1984 Reviewed In : 2016 IEC 458 (1982)	Specification for transistorized ballasts for fluorescent lamps First Revision
22	IS 8030 : 1976 Reviewed In : 2013	Luminaires for Hospitals

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 11980 : 1987 Reviewed In : 2017	Specification for lamp Bulb for cycle dynamo
2	IS 12290 : 1987 Reviewed In : 2024 FAA Advisory Circular No. 150/5345-47 (1975)	Specification for isolating transformers for airport lighting systems
3	IS 12291 : 1987 Reviewed In : 2024 Advisory Circular No. 150/5345-10 E (1984) issued by the Department of Transportation, Federal Avi	Specification for constant current regulators for airport lighting systems
4	IS 12948 : 1990 Reviewed In : 2024 IEC Publication 357 (1982)	Tungsten halogen lamps Non - Vehicle - Specification
5	IS 13021 (Part 2) : 1991 Reviewed In : 2024 IEC Dot : 34 C (Central Office) 173 and IEC Pub 555-2 : (1982)	AC supplied electronic ballasts for tubular fluorescent lamps - Specification Part 2 performance requirements
6	IS 15111 (Part 2) : 2002 Reviewed In : 2017 IEC 60969 (1988)	Self ballasted lamps for general lighting services Part 2 performance requirements
7	IS 1569 : 1976 Reviewed In : 2021 Reaffirmed but not taken up for revision IEC document 34C (Central Office) 59	Specification for capacitors for use in tubular fluorescent high pressure mercury and low pressure sodium vapour discharge lamp circuits First Revision
8	IS 15882 : 2009 Reviewed In : 2019 IEC 60923 : 2006	Ballasts for discharge lamps Excluding Tubular Fluorescent Lamps - Performance requirements
9	IS 15885 (Part 1) : 2011 Reviewed In : 2021	Safety of lamp controlgear Part 1 general requirements
10	IS 15885 (Part 2/Sec 13) : 2012 Reviewed In : 2017 n IEC 61347-2-13, Ed 1 2006-05, IEC 34C/901A/DC	Safety of lamp controlgear Part 2 particular requirements Sec 13 d c or a c supplied electronic controlgear for led modules
11	IS 15967 (Part 2) : 2013 ISO 7543-2 :1993 Reviewed In : 2018 ISO 7543-2 :1993	Capacitors for use in tubular fluorescent and other discharge lamp circuits Part 2 performance requirements
12	IS 15968 : 2013 Reviewed In : 2018	Ballasts for tubular fluorescent lamps - Performance requirements
13	IS 15974 : 2013	Auxiliaries for lamps starting devices Other Than Glow Starters - Performance requirements

	Reviewed In : 2018 IEC 60927 : 2004	
14	IS 16102 (Part 1) : 2012 Reviewed In : 2024 IEC 62560 : 2011	Self - Ballasted led lamps for general lighting services Part 1 safety requirements
15	IS 16102 (Part 2) : 2017 Reviewed In : 2024 IEC 62612 : 2013	Self - Ballasted led lamps for general lighting services Part 2 performance requirements First Revision
16	IS 16103 (Part 1) : 2012 Reviewed In : 2024 IEC 62031 : 2008	Led modules for general lighting Part 1 safety requirements
17	IS 16103 (Part 2) : 2012 Reviewed In : 2024 IEC 62717	Led modules for general lighting Part 2 performance requirements
18	IS 16104 : 2012 Reviewed In : 2024 IEC 62384 : 2006	D C or A C supplied electronic control gear for led modules - Performance requirements
19	IS 16107 (Part 2/Sec 2) : 2017	Luminaries Performance Part 2 Particular Requirements Section 2 LED Street Lighting Luminarie
20	IS 16148 : 2014 IEC 61167:2011 Reviewed In : 2019 IEC61167:2011	Metal halide lamps - Performance specification
21	IS 16614 (Part 1) : 2018 Reviewed In : 2024 IEC 62776 : 2014	Double- Capped LED Linear Lamps Part1 Safety Specification
22	IS 16614 (Part 2) : 2022 ISO 3018: 1974	Double-Capped LED Linear Lamps Part 2 Performance Specification
23	IS 2215 : 2006 IEC 60155 Reviewed In : 2020 IEC 60155	Starters for fluorescent lamps Third Revision
24	IS 2262 : 1963 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for transformers for high voltage luminous discharge tubes
25	IS 2407 : 1963 Reviewed In : 2024 B. S. 354 : 1961 RECOMMENDATIONS FOR PHOTOMETRIC INTEGRATORS. British Standards Institution. WALSH,	Specification for photometric integrators
26	IS 2418 (Part 2) : 2018 IEC 81	Tubular fluorescent lamps for general lighting service Part 2 performance requirements Second Revision
27	IS 2592 : 1980 Reviewed In : 2017 IN Schedule EE/ 95, DEF/ 133 (February 1963)	Specification for lamps for lighting on board ships First Revision
28	IS 2596 : 2004 Reviewed In : 2019 BS 535 : 1973 and IEC 60983 (1995)	Bulbs Lamps for Miners Cap-Lamps

29	IS 418 : 2004 IEC 60064 Reviewed In : 2019 IEC 60064	Tungsten filament lamps for domestic and similar general lighting purposes Fourth Revision
30	IS 6701 : 1985 Reviewed In : 2024 EC Pub 61 - 1 (1969)	Specification for tungsten filament miscellaneous electric lamps First Revision
31	IS 8685 : 1977 IEC 60434 Reviewed In : 2024 IEC 60434	Specification for aircraft lamps
32	IS 8901 : 1978 Reviewed In : 2016	Specification for lamps for aerodrome lighting fittings
33	IS 897 : 1982 Reviewed In : 2020 IEC Publication 61-1 (1969)	Specification for tungsten filament electric lamps for railway rolling stock Second Revision
34	IS 9589 : 1980 Reviewed In : 2017 BS : 469 : 1960	Specification for electric lamps for railway signalling
35	IS 9900 (Part 1) : 1981 IEC 188 Reviewed In : 2022 IEC 188	Specification for high pressure mercury vapour lamps Part 1 requirements and tests
36	IS 9900 (Part 2) : 1981 IEC 188 Reviewed In : 2022 IEC 188	Specification for high pressure mercury vapour lamps Part 2 standard lamp data sheets
37	IS 9974 (Part 1) : 1981 IEC 662 Reviewed In : 2024 IEC 662	Specification for high pressure sodium vapour lamps Part 1 general requirements and tests
38	IS 9974 (Part 2) : 1981 IEC 662 Reviewed In : 2024 IEC 662	Specification for high pressure sodium vapour lamps Part 2 standard lamp data sheets