BUREAU OF INDIAN STANDARDS

Program of Work

ETD 49: Illumination Engineering and Luminiaries

Scope: To prepare Indian Standards for luminaires (including luminaires for use in hazardous area,

aviation lighting, emergency lighting etc.) and codes of practice for interior/exterior lighting

Liaison: IEC TC-34 SC-34D (P): Luminaires

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10322 (Part 1):	Luminaires: Part 1 general		1	Modified/Technically
	2014	requirements and tests (First			Equivalent
	Reviewed In: 2019	Revision)			
	IEC				
	60598-1(2003-10)				
2	IS 10322 (Part 5/Sec	-	April, 2024	1	Modified/Technically
	1):2012	requirements: Sec 1 fixed general			Equivalent
		purpose luminaires (First Revision)			
	IEC 60598-2-1:				
	1979 + Amendment				
	1(1987)				
3	IS 10322 (Part 5/Sec	Luminaires: Part 5 particular	April, 2024	1	Modified/Technically
	2):2012	requirements: Sec 2 recessed			Equivalent
	Reviewed In: 2024	luminaires (First Revision)			
	IEC 60598-2-2:				
<u> </u>	1997		A 11 0004	4	A 1'C' 1/75 1 ' 17
4	IS 10322 (Part 5/Sec	Luminaires: Part 5 particular	April, 2024	1	Modified/Technically
	3):2012	requirements: Sec 3 luminaires for			Equivalent
	Reviewed In: 2024	road and street lighting (First			
	IEC 60598-2-3:	Revision)			
	2002 IS 10222 (Part 5/Sac	Charification for Lordinaires, Dord 5	May 2020	1	Modified/Technicall
5	· ·	Specification for luminaires: Part 5	May, 2020	1	Modified/Technically
	4) : 1987 IEC 60598-2-4	particular requirements: Sec 4			Equivalent
	Reviewed In : 2020	portable general purpose luminaires			
	IEC 60598-2-4	lummanes			
	(1979)				
6	IS 10322 (Part 5/Sec	Luminaires: Part 5 particular	April, 2024	1	Modified/Technically
"	5): 2013	requirements: Sec 5 floodlights	April, 2024	1	Equivalent
	Reviewed In : 2024	(First Revision)			Equivalent
	EC 60598-2-5	(1 not revision)			
	(1998)				
7	IS 10322 (Part 5/Sec	Luminaires: Part 5 particular	April, 2024	1	Modified/Technically
′	6): 2013	requirements: Sec 6 handlamps		•	Equivalent
	Reviewed In: 2024				
	IEC 60598-2-8,				
	(1996)				
8	IS 10322 (Part 5/Sec	Luminaires: Part 5 particular	April, 2024	-	Identical under dual
		r	1 / -	I	

	7): 2017 Reviewed In: 2024 IEC 60598-2-20:	requirements: Sec 7 lighting chains (First Revision)			numbering
9	2014 IS 10322 (Part 5/Sec 8): 2013 Reviewed In: 2024 IEC 60598-2-22,	Luminaires: Part 5 particular requirements: Sec 8 emergency lighting	April, 2024	-	Modified/Technically Equivalent
10	(1997) + Amendment 1 (2002) IS 10322 (Part 5/Sec 9): 2017	Luminaires: Part 5 particular requirements: Sec 9 rope lights	April, 2024	-	Identical under dual numbering
	IEC 60598-2-21 : 2014 Reviewed In : 2024 IEC 60598-2-21 : 2014	requiremental see y rope again			numoving
11	IS 10894 : 1984 Reviewed In : 2018 Reaffirmed but not taken up for revision	Code of practice for lighting of educational institutions	August, 2018	-	Indigenous
12	IS 10947: 1984 Reviewed In: 2020 IES (UK). Technical Report No. 13 Industrial area flood lighting. 1969. Illuninating Engineering S	Code of practice for lighting for ports and harbours	May, 2020	-	Modified/Technically Equivalent
13	IS 11071 (Part 1): 1984 Reviewed In: 2021 Aerodromes Annex 14 (1976), Ed 7.	Specification for inset type aerodrome lighting fittings: Part 1 general requirements and tests	May, 2021	-	Modified/Technically Equivalent
14	IS 11071 (Part 2): 1984 Reviewed In: 2021 Aerodromes Annex 14 (1976), Ed 7.	Specification for inset type aerodrome lighting fittings: Part 2 runway centre line lighting fittings	May, 2021	-	Modified/Technically Equivalent
15	IS 11071 (Part 3): 1984 Reviewed In: 2020 Aerodromes Annex 14 (1976), Ed 7.	Specification for inset type aerodrome lighting fittings: Part 3 approach lighting fittings	May, 2020	-	Modified/Technically Equivalent
16	IS 11071 (Part 4): 1984 Reviewed In: 2020 Aerodromes Annex 14 (1976), Ed 7.	Specification for ikset type aerodrome lighting fittings: Part 4 touch down zone lighting fittings	May, 2020	-	Modified/Technically Equivalent
17	IS 11116: 1984 Reviewed In: 2020 a) International Standards and Recommended Practices, Aerodromes,	Code of practice for lighting for airport aprons	May, 2020	-	Modified/Technically Equivalent

	l			1	1
	Annexure 14 (1976				
10) Ed 7, Interna	Code of a coding for installation	Marral 2010		T., 1'
18	IS 12309 (Part 1):	Code of practice for installation	March, 2018	-	Indigenous
	1988	and maintenance of aerodrome			
19	Reviewed In : 2018 IS 12309 (Part 2) :	lighting fittings Code of practice for installation	March, 2018		Indianaus
19		_	March, 2018	-	Indigenous
	1988 Reviewed In : 2018	and maintenance of aerodrome			
	Reviewed III: 2018	lighting fittings: Part 2 maintenance			
20	IC 12202 (Dart 1)	Photometry of luminaires - Method	April, 2024		Modified/Technically
20	1992	of measurement: Part 1 luminaires	April, 2024		Equivalent
	Reviewed In: 2024	for use in interior lighting			Equivalent
	CIE Publication No.	Tor use in interior righting			
	24 (TC 2.4) 1973				
21		Photometry of luminaires - Method	April, 2024	1	Modified/Technically
	1992	of measurement: Part 2 luminaires	, - · - ·		Equivalent
	Reviewed In: 2024	for road and street lighting			1
	CIE Publication No.				
<u>L</u>	27 (TC-2.4) 1973				
22	IS 13383 (Part 3):	Photometry of luminaires -	April, 2024	-	Modified/Technically
	1992	Methods of measurement: Part 3			Equivalent
	Reviewed In: 2024	luminaires for floodlighting			
	CIE Publication 43 (
	TC-2.4) 1979				
23	IS 16107 (Part 1):	Luminaires performance: Part 1	May, 2024	-	Modified/Technically
	2012	general requirements			Equivalent
	Reviewed In: 2024				
	IEC/PAS 62772-1				
	(2011)		2024		36 1161 177 1 1 1
24	IS 16107 (Part 2/Sec	<u> </u>	May, 2024	-	Modified/Technically
	1):2012	particular requirements: Sec 1 led			Equivalent
	Reviewed In: 2024 IEC/PAS	luminaire			
	62722-2-1(2011)				
25	IS 18687 : 2024	Germicidal UV-C Irradiation		_	Indigenous
	15 10007 . 2024	Devices -Safety Requirements			murgenous
26	IS 1944 (Part 5):	Code of practice for lighting of	May, 2024	_	Modified/Technically
	1981	public thoroughfares: Part 5	1714), 2021		Equivalent
	Reviewed In: 2024	lighting for grade separated			_4
	BS: CP 1004 - Street				
	lighting, Part 5	road (Group D)			
	Lighting for grade-				
	separated junctions				
	and Part 6 Lighting				
	for				
27	IS 1944 (Part 6):	Code of practice for lighting of	May, 2024	-	Indigenous
	1981	public thoroughfares: Part 6			
	Reviewed In: 2024	lighting for town and city centres			
		and areas of civic importance			
20	IC 1044 (Da 4.7)	(Group E)	Mar. 2024		Modified/Testeries11
28	IS 1944 (Part 7) : 1981	Code of practice for lighting of	May, 2024	-	Modified/Technically
	Reviewed In: 2024	public thoroughfares: Part 7 lighting for roads with special			Equivalent
	CIE 32 (TC	requirements (Group F)			
	4+6)-1976 Lighting	requirements (Group 1')			
	in situations				
	requiring special				
	treatment.				
	International				
1		ı		I	1

I	Commission o				
29	IS 1944 (Part 12): 1970 Reviewed In: 2024	Code of practice for lighting of public thoroughfares (First Revision)	May, 2024	2	Indigenous
30	IS 2672 : 1966 Reviewed In : 2015 Reaffirmed but not taken up for revision	Code of practice for library lighting		-	Indigenous
31	IS 3646 (Part 1): 1992 Reviewed In: 2024 CIE-Publication on Interior Lighting, DIN 5035 (Parts 1 and 2): 1979	Code of practice for interior illumination: Part 1 general requirements and recommendations for working interiors (First Revision)	April, 2024	1	Modified/Technically Equivalent
32	IS 4347 : 1967 Reviewed In : 2015 Reaffirmed but not taken up for revision	Code of practice for hospital lighting		-	Indigenous
33	IS 6665: 1972 Reviewed In: 2015 Reaffirmed but not taken up for revision IES Code. Recommendations for good interior lighting. 1961. The Illuminating Engineering Society, Lo	Code of practice for industrial lighting		-	Modified/Technically Equivalent
34	SP 72 : 2010 Reviewed In : 2016	National lighting code 2010	March, 2016	-	Indigenous
35	IS 7537 : 1974 Reviewed In : 2021 B.S. 505- 1971	Specification for road traffic signals	November, 2021	-	Modified/Technically Equivalent
36	IS 7785 (Part 1): 1975 Reviewed In: 2024 BS: 3224	Specification for elevated type aerodrome lighting fittings: Part 1 general requirements	April, 2024	-	Modified/Technically Equivalent
37	IS 7785 (Part 2): 1976 Reviewed In: 2024	Specification for elevated typei aerodrome lighting fittings: Part 2 fixed focus high intensity biqireectional runway edge lighting fittings	April, 2024	-	Modified/Technically Equivalent
38	IS 7785 (Part 3): 1976 Reviewed In: 2024 BS: 3224	Specification for elevated type aerodrome lighting fittings: Part 3 low intensity runway edge lighting - Fittings	April, 2024	-	Modified/Technically Equivalent
39	IS 7785 (Part 4/Sec 1): 1981 Reviewed In: 2024 BS: 3224: Section CI: 1963	Specification for elevated type aerodrome lighting fittings: Part 4 angle of approach lights: Sec 1 visual approach slope indicators	April, 2024	-	Modified/Technically Equivalent
40	IS 7785 (Part 5/Sec 1): 1981 Reviewed In: 2024 BS 3224: Section-B1	Specification for elevated type aerodrome lighttNg fittings: Part 5 approach lighting fittings: Sec 1 high intensity elevated approach	April, 2024	-	Modified/Technically Equivalent

	: 1970	lighting fittings			
41	IS 7785 (Part 6/Sec	Specification for elevated type	April, 2024	-	Modified/Technically
	1):1981	aerodrome lighting fittings: Part 6			Equivalent
	Reviewed In: 2024	taxiway lights: Sec 1 low intensity			
	BS 3224 : Section F	omni - Directional elevated			
	1:1968	taxiway lighting fittings			
42	IS 9583 : 1981	Specification for emergency	March, 2018	-	Modified/Technically
	IEC 598-2-22	lighting units			Equivalent
	Reviewed In: 2018				
	IEC: 598-2-22(
	1980)				

Standards under Development

	Projects Approved					
SI. No.	Doc No.	Title				
No Records Found						

	Preliminary Draft Standards			
SI. No.	Doc No.	Title		
1	ETD 49 (25378) Revision	National Lighting Code of India Part 3 Electric Light Sources and their Accessories Section 1		
	of: SP 72:2010	Solid State Lighting LED Technology Section 2 LED Driver and Controls First Revision of SP 72 Part 3		
2	ETD 49 (25578) Revision of: SP 72:2010	National Lighting Code of India Part 5 Interior Illumination Section 1 to Section 9 First Revision of SP 72 Part 5Section 1 to Section 9		
3	ETD 49 (25787) Revision of: SP 72:2010	National Lighting Code of India Part 7 Energy-Effective Lighting Systems Section 1 and Section 2 First Revision of SP 72 Part 7 Section 1 and Section 2		
4	ETD 49 (25814) Revision of: SP 72:2010	National Lighting Code of India Part 10 Installation Aspects for Lighting Section 1 Mechanical Section 2 Electrical Section 3 Coordination with Related Disciplines Section 4 Installation Guidelines for LED System Section 5 Lighting MaintenanceFirst Revision of SP 72 Part 10Section 1- Section 5		
5	ETD 49 (26127) Revision of: SP 72:2010	National Lighting Code of India PART 17 SCIENCE OF ULTRA VIOLET AND ULTRA VIOLET GERMICIDAL IRRADIATION APPLICATIONS FOR HOSPITALS First Revision of SP 72 Part 17		
6	ETD 49 (26128) Revision of: SP 72:2010	National Lighting Code of India Part 6 Outdoor Lighting Section 1 to Section 12First Revision of SP 72 Part 6Section 1 to Section 12		
7	ETD 49 (26166) Revision of: SP 72:2010	National Lighting Code of India Part 11 Human Centric Lighting First Revision of SP 72 Part 11		
8	ETD 49 (26189) Revision of: SP 72:2010	National Lighting Code of India Part 15 Horticulture Lighting First Revision of SP 72 Part 15		
9	ETD 49 (26211) Revision of: SP 72:2010	National Lighting Code of India Part 14 Adverse Effects of Lighting First Revision of SP 72 Part 14		
10	ETD 49 (26319) Revision of: SP 72:2010	National Lighting Code of India Part 8 Daylighting for Buildings First Revision of SP 72 Part 8		
11	ETD 49 (26435) Revision of: SP 72:2010	National Lighting Code of India Part 9 Emergency Lighting First Revision of SP 72 Part 9		
12	ETD 49 (26462) Revision of: SP 72:2010	National Lighting Code of India Part 12 Indoor Connected IoT Based Lighting First Revision of SP 72 Part 12		
13	ETD 49 (26468) Revision of: SP 72:2010	National Lighting Code of India Part 13 Outdoor Digital Connected IOT Based Road Lighting First Revision of SP 72 Part 13		
14	ETD 49 (26629) Revision of: SP 72:2010	National Lighting Code of India Part 4 Luminaires First Revision of SP 72 Part 4		

		Drafts Standards in WC Stage
SI. No.	Doc No.	Title

	1	` ′	Luminaires Part 2 Particular requirements Section 18 Luminaires for swimming pools and similar
ı			applications
Ī	2	ETD 49 (25743) Revision	Luminaires Part 1 General Requirements and Tests second revision
١		of: IS 10322:2014	

	Draft Standards Completed WC Stage					
SI. No.	Doc No.	Title				
1	ETD 49 (22373)	CODE OF PRACTICE FOR INTERIOR ILLUMINATION PART 1 GENERAL				
		REQUIREMENTS AND RECOMMENDATIONS FOR WORKING INTERIORS First Revision				
2	ETD 49 (23883)	ELECTRICAL INSTALLATIONS FOR LIGHTING AND BEACONING OF AERODROMES				
		CHARACTERISTICS OF INSET AND ELEVATED LUMINAIRES USED ON AERODROMES				
		AND HELIPORTS				
3	ETD 49 (25066) Revision	NATIONAL LIGHTING CODE OF INDIA PART 1 LIGHTING VOCABULARY				
	of: IS 10322:2014					
4	ETD 49 (25108) Revision	NATIONAL LIGHTING CODE OF INDIA PART 2 Physics of Light First Revision of SP 72				
	of: IS 10322:2014	Part 2				

		Finalized Draft Indian Standard	
SI. No.	Doc No.	Title	
No Records Found			

	Finalized Draft Indian Standards under Print				
SI. No.	Doc No.	Title			
1	ETD 49 (26044) Revision	Road Traffic Signals Specification First Revision			
	of: IS 7537:1974				

Total Published Standards:41 Total Standards Under development:21

Aspect Wise Report

Product: 25
Code of Practices: 14
Methods of Test: 3
Terminology: 0
Dimensions: 0
System Standard: 0
Safety Standard: 0

Others: 0 Service Specification: 0 Process Specification: 0 Unclassified: 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title		
No Records Found				

Annexure-II : List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10322 (Part 1): 2014	Luminaires Part 1 general requirements and tests First Revision
	Reviewed In: 2019 IEC	
	60598-1(2003-10)	
2	IS 10322 (Part 5/Sec 1):	Luminaires Part 5 particular requirements Sec 1 fixed general purpose luminaires First Revision
	2012	

Reviewed In: 2024 IEC 60598-2-1: 1979 + Amendment 1(1987) Amendment 1(1988) Amendment 1(2002) Amen			
Amendment 1(1987) Strict Part Strict P		Reviewed In: 2024 IEC	
S 10322 (Part 5/Sec 2) :			
2012 Reviewed In: 2024 IEC 60598-2-2: 1997 Luminaires Part 5 particular requirements Sec 3 luminaires for road and street lighting First 2012 Reviewed In: 2024 IEC 60598-2-3: 2002 Specification for luminaires Part 5 particular requirements Sec 4 portable general purpose 1987 IEC 60598-2-4 (1979) Specification for luminaires Part 5 particular requirements Sec 4 portable general purpose 1987 IEC 60598-2-4 (1979) Luminaires Part 5 particular requirements Sec 5 floodlights First Revision 2013 Reviewed In: 2024 IEC 60598-2-5 (1998) Luminaires Part 5 particular requirements Sec 6 handlamps 2013 Reviewed In: 2024 IEC 60598-2-20: 2014 St 10322 (Part 5/Sec 6):		` '	
Reviewed In : 2024 IEC	3		Luminaires Part 5 particular requirements Sec 2 recessed luminaires First Revision
Signature Sign			
Reviewed In : 2024 IEC			Luminairae Part 5 particular requirements See 2 luminairae for road and street lighting First
Reviewed In : 2024 IEC 60598-2-3 : 2002	4		
Specification for luminaires Part 5 particular requirements Sec 4 portable general purpose luminaires			Kevision
Specification for luminaires Part 5 particular requirements Sec 4 portable general purpose luminaires			
1987 IEC 60598-2-4 Reviewed In : 2020 IEC 60598-2-4 (1979)	5		Specification for luminaires Part 5 particular requirements Sec 4 portable general purpose
IEC 60598-2-4 Reviewed In : 2020 IEC 60598-2-4 (1979)			
Reviewed In : 2020 IEC 60598-2-4 (1979)			Tylinian V
60598-2-4 (1979) Companies Companies			
Luminaires Part 5 particular requirements Sec 5 floodlights First Revision			
Reviewed In : 2024 EC 60598-2-5 (1998)	6		Luminaires Part 5 particular requirements Sec 5 floodlights First Revision
18 10322 (Part 5/Sec 6): 2013 Luminaires Part 5 particular requirements Sec 6 handlamps		2013	
To IS 10322 (Part 5/Sec 6): 2013 Luminaires Part 5 particular requirements Sec 6 handlamps			
2013			
Reviewed In : 2024 IEC 60598-2-8, (1996)	7		Luminaires Part 5 particular requirements Sec 6 handlamps
Source Continue			
Reviewed In: 2024 IEC 60598-2-20: 2014 9 IS 10322 (Part 5/Sec 8): 2013 Reviewed In: 2024 IEC 60598-2-22, (1997) + Amendment 1 (2002) 10 IS 10322 (Part 5/Sec 9): 2017 IEC 60598-2-21: 2014 Reviewed In: 2024 IEC 60598-2-1: 2014			
Reviewed In : 2024 IEC			
Reviewed In : 2024 IEC	8		Luminaires Part 5 particular requirements Sec / lighting chains First Revision
18 10322 (Part 5/Sec 8):		2017	
1		Paviawad In : 2024 IEC	
IS 10322 (Part 5/Sec 8): 2013 Reviewed In: 2024 IEC 60598-2-22, (1997) + Amendment 1 (2002) 10 IS 10322 (Part 5/Sec 9): 2017 IEC 60598-2-21: 2014 Reviewed In: 2024 IEC 60598-2-21: 2014 Reviewed In: 2024 IEC 60598-2-21: 2014 11 IS 11071 (Part 1): 1984 Reviewed In: 2021 Aerodromes Annex 14 Luminaires Part 5 particular requirements Sec 9 rope lights Luminaires Part 5 particular requirements Sec 9 rope lights Specification for inset type aerodrome lighting fittings Part 1 general requirements and tests			
2013 Reviewed In : 2024 IEC 60598-2-22, (1997) + Amendment 1 (2002) 10 IS 10322 (Part 5/Sec 9) :	9		Luminaires Part 5 particular requirements Sec 8 emergency lighting
Reviewed In : 2024 IEC 60598-2-22, (1997) + Amendment 1 (2002)			24g
Amendment 1 (2002) 10 IS 10322 (Part 5/Sec 9):			
IS 10322 (Part 5/Sec 9): 2017 IEC 60598-2-21: 2014 Reviewed In: 2024 IEC 60598-2-21: 2014 11 IS 11071 (Part 1): 1984 Reviewed In: 2021 Aerodromes Annex 14 Luminaires Part 5 particular requirements Sec 9 rope lights Luminaires Part 5 particular requirements Sec 9 rope lights Specification for inset type aerodrome lighting fittings Part 1 general requirements and tests		60598-2-22, (1997) +	
2017 IEC 60598-2-21 : 2014 Reviewed In : 2024 IEC 60598-2-21 : 2014 11 IS 11071 (Part 1) : 1984 Reviewed In : 2021 Aerodromes Annex 14 Specification for inset type aerodrome lighting fittings Part 1 general requirements and tests 2021 Aerodromes Annex 14		Amendment 1 (2002)	
IEC 60598-2-21 : 2014 Reviewed In : 2024 IEC 60598-2-21 : 2014 IS 11071 (Part 1) : 1984 Reviewed In : 2021 Aerodromes Annex 14 Specification for inset type aerodrome lighting fittings Part 1 general requirements and tests	10	· · · · · · · · · · · · · · · · · · ·	Luminaires Part 5 particular requirements Sec 9 rope lights
Reviewed In: 2024 IEC 60598-2-21: 2014 11 IS 11071 (Part 1): 1984 Specification for inset type aerodrome lighting fittings Part 1 general requirements and tests Reviewed In: 2021 Aerodromes Annex 14			
60598-2-21 : 2014 IS 11071 (Part 1) : 1984 Reviewed In : 2021 Aerodromes Annex 14 Specification for inset type aerodrome lighting fittings Part 1 general requirements and tests			
IS 11071 (Part 1): 1984 Specification for inset type aerodrome lighting fittings Part 1 general requirements and tests Reviewed In: 2021 Aerodromes Annex 14			
Reviewed In : 2021 Aerodromes Annex 14	11		
2021 Aerodromes Annex 14	11	` ′	Specification for inset type aerodrome lighting fittings Part 1 general requirements and tests
		•	
(1770), La 7.			
12 IS 11071 (Part 2): 1984 Specification for inset type aerodrome lighting fittings Part 2 runway centre line lighting fittings	12		Specification for inset type aerodrome lighting fittings Part 2 runway centre line lighting fittings
Reviewed In:	12	` '	Specification for insecttype derodrome righting rittings rait 2 runway centre line righting rittings
2021 Aerodromes Annex 14			
(1976), Ed 7.			
13 IS 11071 (Part 3): 1984 Specification for inset type aerodrome lighting fittings Part 3 approach lighting fittings	13		Specification for inset type aerodrome lighting fittings Part 3 approach lighting fittings
Reviewed In:		Reviewed In:	
2020 Aerodromes Annex 14		2020 Aerodromes Annex 14	
(1976), Ed 7.			
14 IS 11071 (Part 4): 1984 Specification for ikset type aerodrome lighting fittings Part 4 touch down zone lighting fittings	14	` '	Specification for ikset type aerodrome lighting fittings Part 4 touch down zone lighting fittings
Reviewed In:			
2020 Aerodromes Annex 14			
(1976), Ed 7. 15	1.5		Luminoineo manfannean ao Dant 1 ao amin'i ao
15 IS 16107 (Part 1): 2012 Luminaires performance Part 1 general requirements	15	3 7	Luminaires performance Part 1 general requirements
Reviewed In : 2024 IEC/PAS 62772-1			
(2011)			
(2011)	1	(2011)	

	T	
16	IS 16107 (Part 2/Sec 1):	Luminaires performance Part 2 particular requirements Sec 1 led luminaire
	2012	
	Reviewed In:	
	2024 IEC/PAS	
	62722-2-1(2011)	
17	IS 18687 : 2024	Germicidal UV-C Irradiation Devices -Safety Requirements
18	IS 7537 : 1974	Caraification for and traffic sismals
18		Specification for road traffic signals
	Reviewed In: 2021 B.S.	
1.0	505- 1971	
19	IS 7785 (Part 1): 1975	Specification for elevated type aerodrome lighting fittings Part 1 general requirements
	Reviewed In: 2024 BS:	
	3224	
20	IS 7785 (Part 2): 1976	Specification for elevated typei aerodrome lighting fittings Part 2 fixed focus high intensity
	Reviewed In: 2024 BS:	biqireectional runway edge lighting fittings
	3224	
21	IS 7785 (Part 3): 1976	Specification for elevated type aerodrome lighting fittings Part 3 low intensity runway edge
	Reviewed In: 2024 BS:	lighting - Fittings
	3224	
22	IS 7785 (Part 4/Sec 1):	Specification for elevated type aerodrome lighting fittings Part 4 angle of approach lights Sec 1
	1981	visual approach slope indicators
	Reviewed In: 2024 BS:	
	3224 : Section Cl : 1963	
23	IS 7785 (Part 5/Sec 1):	Specification for elevated type aerodrome lighttNg fittings Part 5 approach lighting fittings Sec 1
	1981	high intensity elevated approach lighting fittings
	Reviewed In: 2024 BS	
	3224: Section-B1 : 1970	
24	IS 7785 (Part 6/Sec 1):	Specification for elevated type aerodrome lighting fittings Part 6 taxiway lights Sec 1 low intensity
	1981	omni - Directional elevated taxiway lighting fittings
	Reviewed In: 2024 BS	
	3224 : Section F 1 : 1968	
25	IS 9583 : 1981	Specification for emergency lighting units
	IEC 598-2-22	
	Reviewed In: 2018 IEC:	
	598-2-22(1980)	