

BUREAU OF INDIAN STANDARDS
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Draft Indian Standard

Luminaires Part 5: Particular requirements Section 7: Lighting chains

(Second Revision)

(ICS 29.140. 40)

Illumination Engineering and Luminaries
Sectional Committee, ETD 49

Last date for comments- 18/01/2025

NATIONAL FOREWORD

This draft Indian Standard (Part 5/Sec 7) (Second Revision) which is identical with IEC 60598-2-20: 2022 'Luminaires - Part 2-20: Particular requirements - Lighting chains' issued by the International Electrotechnical Commission (IEC) will be adopted by the Bureau of Indian Standards on the recommendation of the Illumination Engineering and Luminaries Sectional Committee and approval of the Electrotechnical Division Council.

This standard was originally published in year 2013 and subsequently revised in 2017 to align it with the IEC 60598-2-20 : 2014. The Second revision has been undertaken to align it with the IEC 60598-2-20: 2022.

This standard covers requirements for lighting chains fitted with series, parallel or a combination of series/parallel connected light sources for use either indoors or outdoors on supply voltages not exceeding 250 V.

This standard (Part 5/Sec 7) is one among the series of Indian Standards which deals with luminaries. The other parts and sections are as follows:

Part 1	General requirements
Part 5	Particular requirements
Section 1	Fixed general purpose luminaires
Section 2	Recessed luminaires
Section 3	Luminaires for road and street lighting.
Section 4	Portable general purpose luminaires
Section 5	Flood lights
Section 6	Handlamps
Section 8	Luminaires for emergency lighting

This standard is to be read in conjunction with IS 10322 (Part 1) 'Luminaires: Part 1 General requirements'. For the sake of convenience, the clauses of this standard correspond to those of IS

10322 (Part 1), instead of reproducing full text of each clause; reference to relevant clauses of IS 10322 (Part 1) has been given.

The text of the IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appears referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to International Standards for which Indian Standards also exists. The corresponding Indian Standards, which are to be substituted, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
IEC 60238:2016, Edison screw lampholders	IS 10276 (Part 1) : 2024/ IEC 60238: 2016 Edison Screw Lampholders (<i>first revision</i>)	Identical
IEC 60309-1, Plugs, socket-outlets and couplers for industrial purposes – Part 1: General requirements	IS/IEC 60309-1 : 2021 Plugs, Fixed or Portable Socket-Outlets and Appliance Inlets for Industrial Purposes Part 1 General Requirements (<i>second revision</i>)	Identical
IEC 60529, Degrees of protection provided by enclosures (IP Code)	IS/IEC 60529 : 2001 Degrees of protection provided by enclosures (IP Code)	Identical
IEC 60598-1, Luminaires – Part 1: General requirements and tests	ETD/49/25743 Luminaires: Part 1 general requirements and tests (second revision) (IEC 60958-1: 2024, Mod)	Modified
IEC 61184:2017, Bayonet lampholders	IS 1258 : 2005/ IEC 61184:2017 Bayonet lamp holders (Fourth Revision)	Identical
IEC 61347-2-13, Lamp controlgear – Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules	IS 15885 (Part 2/Sec 13) : 2012 Safety of lamp controlgear: Part 2 particular requirements: Sec 13 d.c. or a.c. supplied electronic controlgear for led modules	Modified/Technically Equivalent
IEC 61984:2008, Connectors – Safety requirements and tests	IS 16781 : 2018/ IEC 62852 : 2014 Connectors for d.c. Application in Photovoltaic Systems Safety Requirements and Tests	Identical with IEC 62852 : 2014
ISO 4046-4:2016, Paper, board, pulps and related terms – Vocabulary – Part 4: Paper and board grades and converted	IS 4661 (Part 4) : 2022/ ISO 4046-4:2016 Paper, board, pulps and related terms – Vocabulary – Part 4: Paper and board grades and	Identical

products	converted products	
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The technical committee has reviewed the provision of the following International Standard referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
IEC 60320 (all parts)	Appliance couplers for household and similar general purposes
IEC 60906 (all parts)	IEC system of plugs and socket-outlets for household and similar purposes
IEC 61347-2-11	Lamp controlgear – Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires

Only English language text has been retained while adopting it in this Indian Standard, and as such the page numbers given here are not the same as in the International Standard.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test, shall be rounded off in accordance with IS 2: 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

NOTE — The technical content of their document has not been enclosed as there are identical with the corresponding IEC standards for details, please refer the corresponding IEC 60598-2-20: 2022 or kindly contact:

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