

**BUREAU OF INDIAN STANDARDS**  
**DRAFT FOR COMMENTS ONLY**

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*Draft Indian Standard*

**Luminaires Part 5: Particular requirements Section 3: Luminaires for road and street lighting**

*(Second Revision)*

(ICS 29.140.40; 93.080.30)

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Illumination Engineering and Luminaries  
Sectional Committee, ETD 49

Last date for comments- 18/01/2025

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NATIONAL FOREWORD

This draft Indian Standard (Part 5/Sec 3) (Second Revision) which is identical with IEC 60598-2-3:2011 CSV 'Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting' 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 1987 and subsequently revised in year 2012 to align it with the IEC 60598-2-3: 2002. This Second revision has been undertaken to align it with IEC 60598-2-3:2011 CSV.

This standard covers the requirements of safety and photometric requirements of luminaires for road and street lighting.

This standard is one among the series of Indian Standards which deals with luminaires. This series consists of the following Parts and Sections:

Part 1	General requirements
Part 5	Particular requirements
Section 1	Fixed general purpose luminaires
Section 2	Recessed luminaires
Section 4	Portable general purpose luminaires
Section 5	Flood lights
Section 6	Handlamps
Section 7	Lighting chains
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 60068-3-76:1997, Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests	IS 9000 (Part 7/Sec 7) : 2020/ IEC 60068-2-75 : 2014 Environmental Testing Part 7 Tests Section 7 Test Eh: Hammer tests ( <i>first revision</i> )	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 62262: 2002, Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)	IS 17050 : 2023/ IEC 62262 : 2001 +AMD1 : 2021 Degrees of Protection Provided by Enclosures for Electrical Equipment Against External Mechanical Impacts (IK Code) ( <i>first revision</i> )	Identical

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 60364-7-714, 1996	Electrical installations of buildings – Part 7: Requirements for special installations or locations – Section 714: External lighting installations

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 60598-2-3:2011 CSV or kindly contact:

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