

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Low-voltage electrical installations –
Part 7-714: Requirements for special installations or locations – External lighting
installations**

**Installations électriques à basse tension –
Partie 7-714: Règles pour les installations et emplacements spéciaux –
Installations d'éclairage extérieur**



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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland
Email: inmail@iec.ch
Web: www.iec.ch

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Tél.: +41 22 919 02 11

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LOW-VOLTAGE ELECTRICAL INSTALLATIONS –**Part 7-714: Requirements for special installations or locations –
External lighting installations****FOREWORD**

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International Standard IEC 60364-7-714 has been prepared by committee 64: Electrical installations and protection against electric shock.

This second edition cancels and replaces the first edition, published in 1996, and constitutes a technical revision.

The major technical changes with respect to the previous edition are listed below:

- clause numbering is aligned with present structure of IEC 60364;
- additional protection is required in some cases of equipment incorporating lighting;
- more stringent requirements regarding IP degree of protection;
- introduction of particular requirements for isolation.

The text of this standard is based on the following documents:

FDIS	Report on voting
64/1806/FDIS	64/1814/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60364 series, under the general title *Low-voltage electrical installations*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

The requirements of this part of IEC 60364 supplement, modify or replace certain of the general requirements contained in Parts 1 to 6 of IEC 60364.

The clause numbering appearing after 714 refers to the corresponding parts or clauses of IEC 60364, Parts 1 to 6. Numbering of clauses does not, therefore, necessarily follow sequentially. Numbering of figures and tables takes the number of this part followed by a sequential number.

The absence of reference to a part or clause means that the general requirements contained in Parts 1 to 6 of IEC 60364 are applicable.

LOW-VOLTAGE ELECTRICAL INSTALLATIONS –

Part 7-714: Requirements for special installations or locations – External lighting installations

714 External lighting installations

714.1 Scope

The particular requirements of this part of IEC 60364 apply to the selection and erection of luminaires and lighting installations forming part of an outdoor fixed installation.

The origin of the external lighting installation is the supply delivery point of electrical energy by the supply authority or the origin of the circuit supplying the external lighting installation exclusively.

The requirements apply to, for example, lighting installations for roads, parks, gardens, places open to the public, sporting areas, illumination of monuments, floodlighting, telephone kiosks, bus shelters, advertising panels, town plans and road signs.

The requirements do not apply to:

- public street-lighting installations which are part of the public power grid;
- temporary festoon lighting;
- road traffic signal systems;
- luminaires which are fixed to the outside of a building and are supplied directly from the internal wiring of that building.

For lighting installations for swimming pools and fountains, see IEC 60364-7-702.

714.2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60364-4-41:2005, *Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock*

IEC 60364-5-51:2005, *Electrical installations of buildings – Part 5-51: Selection and erection of electrical equipment – Common rules*

IEC 60364-5-53:2001, *Electrical installations of buildings – Part 5-53: Selection and erection of electrical equipment – Isolation, switching and control*

714.4 Protection for safety

714.41 Protection against electric shock

714.410.3 General requirements

714.410.3.6

Add the following: