

CONSOLIDATED VERSION

VERSION CONSOLIDÉE



**Luminaires –
Part 2-13: Particular requirements – Ground recessed luminaires**

**Luminaires –
Partie 2-13: Règles particulières – Luminaires encastrés dans le sol**



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VERSION REDLINE



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LUMINAIRES –

Part 2-13: Particular requirements – Ground recessed luminaires

FOREWORD

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This Consolidated version of IEC 60598-2-13 bears the edition number 1.2. It consists of the first edition (2006-06) [documents 34D/856/FDIS and 34D/860/RVD], its amendment 1 (2011-12) [documents 34D/1009/CDV and 34D/1041/RVC] and its amendment 2 (2016-05) [documents 34D/1202/FDIS and 34D/1210/RVD]. The technical content is identical to the base edition and its amendments.

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendments 1 and 2. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

International Standard IEC 60598-2-13 has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34:Lamps and related equipment.

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

This publication is intended to be read in conjunction with IEC 60598-1: *Luminaires – Part 1: General requirements and tests*. It was established on the basis of the sixth edition of that standard.

Part 2 of IEC 60598 consists of the following parts¹ under the general title *Luminaires – Part 2: Particular requirements*:

- Part 2-1: Fixed general purpose luminaires
- Part 2-2: Recessed luminaires
- Part 2-3: Luminaires for road and street lighting
- Part 2-4: Portable general purpose luminaires
- Part 2-5: Floodlights
- Part 2-6: Luminaires with built-in transformers for filament lamps
- Part 2-7: Portable luminaires for garden use
- Part 2-8: Handlamps
- Part 2-9: Photo and film luminaires (non-professional)
- Part 2-10: Portable luminaires for children
- Part 2-11: Aquarium luminaires
- Part 2-13: Ground recessed luminaires
- Part 2-17: Luminaires for stage lighting, television and film studios (outdoor and indoor)
- Part 2-18: Luminaires for swimming pools and similar applications
- Part 2-19: Air-handling luminaires (safety requirements)
- Part 2-20: Lighting chains
- Part 2-22: Luminaires for emergency lighting
- Part 2-23: Extra low voltage lighting systems for filament lamps
- Part 2-24: Luminaires with limited surface temperatures
- Part 2-25: Luminaires for use in clinical areas of hospitals and health care buildings

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¹ Other parts are under consideration.

LUMINAIRES –

Part 2-13: Particular requirements – Ground recessed luminaires

13.1 Scope

This Part 2 of IEC 60598 specifies requirements for ground recessed luminaires incorporating electric light sources for operation from supply voltages up to 1 000 V, for indoor or outdoor use, e.g. in gardens, yards, carriageways, parking lots, cycleways, footways, pedestrian areas, swimming pools areas outside zones for SELV, nurseries and similar applications.

This part does not cover ground recessed luminaires for motorised roads and for airfields already specified in IEC 61827².

13.1.1 Normative references

The references of Section 0 of IEC 60598-1 apply.

13.2 General test requirements

The provisions of Section 0 of IEC 60598-1 apply.

13.3 Definitions

The definitions of Section 1 of IEC 60598-1 apply together with the following:

13.3.1

ground recessed luminaire

luminaire suitable to be installed in the ground, having the supply connections and electrical components located below ground level

13.3.2

rated maximum surface temperature

T

the highest temperature on the accessible outer surface, under normal operating conditions according to 13.12

13.4 Classification

Luminaires shall be classified in accordance with Section 2 of IEC 60598-1.

13.5 Marking

The provisions of Section 3 of IEC 60598-1 apply together with the requirements of 13.5.1 to 13.5.3

13.5.1 Rated load in N, according to 13.6.1 (in the manufacturer's instructions).

² IEC 61827: *Electrical installation and beaconing of aerodromes – Characteristics of inset and elevated luminaires used in aerodromes.*