INTERNATIONAL STANDARD

IEC 60598-2-5

Second edition 1998-01



This **English-language** version is derived from the original **bilingual** publication by leaving out all French-language pages. Missing page numbers correspond to the French-language pages.



Publication numbering

As from 1 January 1997 all IEC publications are issued with a designation in the 60000 series. For example, IEC 34-1 is now referred to as IEC 60034-1.

Consolidated editions

The IEC is now publishing consolidated versions of its publications. For example, edition numbers 1.0, 1.1 and 1.2 refer, respectively, to the base publication, the base publication incorporating amendment 1 and the base publication incorporating amendments 1 and 2.

Further information on IEC publications

The technical content of IEC publications is kept under constant review by the IEC, thus ensuring that the content reflects current technology. Information relating to this publication, including its validity, is available in the IEC catalogue of publications (see below) in addition to new editions, amendments and corrigenda. Information on the subjects under consideration and work in progress undertaken by the technical committee which has prepared this publication, as well as the list of publications issued, is also available from the following:

IEC Web Site (<u>www.iec.ch</u>)

. Catalogue of IEC publications

The on-line catalogue on the IEC web site (www.iec.ch/searchsub) enables you to search by a variety of criteria including text searches, technical committees and date of publication. On-line information is also available on recently issued publications, withdrawn and replaced publications, as well as corrigenda.

• IEC Just Published

This summary of recently issued publications (www.iec.ch/online_news/ justpub) is also available by email. Please contact the customer Service Centre (see below) for further information.

Customer Service Centre

If you have any questions regarding this publication or need further assistance, please contact the Customer Service Centre:

Email: <u>custserv@iec.ob</u> Tel: \41 22 919 02 11

Fax: \+41 22 919 03 00

INTERNATIONAL STANDARD

IEC 60598-2-5

Second edition 1998-01



© IEC 1998 Copyright - all rights reserved

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch



PRICE CODE



IS 01 Interpretation of subclause 5.6.8
IEC 60598-2-5 : 1998 Second edition
Luminaires - Part 2: Particular requirements
Section Five - Floodlights

INTERPRETATION SHEET

The following interpretation was agreed at the Bled meeting of IEC/SC 340 WG LUMEX held in April 1996.

When the test sample remains as one sheet, the fragmentation lines would normally be used to indicate fractures and the size and number of particles would thus be evaluated, unless reinforcing or a film were employed.

iTer Syn (avas (https://scaraxyos.iteh.ai)
Deuren Preview
https://standards.iteh.ax
standards.iteh.ax

March 2001 ICS 29.140.40 French text overleaf

CONTENTS

		Page
FORI	EWORD	5
Clause	9	
5.1	Scope	7
5.2	General test requirements	7
5.3	Definitions	7
5.4	Classification of luminaires	7
5.5	Marking	7
5.6	Construction	9
5.7	Creepage distances and clearances	11
5.8	Provision for earthing.	11
5.9	Terminals	11
5.10	External and internal wiring.	11
5.11	Protection against electric shock	13
5.12	Endurance tests and thermal tests	13
5.13	Resistance to dust and moisture	98-25-1
	Insulation resistance and electric strength	13
5.15	Resistance to heat, fire and tracking	13
Figur	e 1 Sounting particles at the edge of the square	15

INTERNATIONAL ELECTROTECHNICAL COMMISSION

LUMINAIRES -

Part 2-5: Particular requirements - Floodlights

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60598-2-5 has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34: Lamps and related equipment.

This second edition cancels and replaces the first edition published in 1979, amendment 1 (1987) and amendment 2 (1993), and constitutes a technical revision.

The text of this standard is based on the first edition, amendment 1 and amendment 2, and the following documents:

FDIS	Report on voting
34D/476/FDIS	34D/487/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.