

LAMPIDE JUHTIMISSEADISED
OSA 1: ÜLD- JA OHUTUSNÕUDED

Lamp controlgear
Part 1: General and safety requirements

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 61347-1:2015 sisaldab Euroopa standardi EN 61347-1:2015 ingliskeelset teksti.	This Estonian standard EVS-EN 61347-1:2015 consists of the English text of the European standard EN 61347-1:2015.
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English Version

**Lamp controlgear - Part 1: General and safety requirements
(IEC 61347-1:2015)**

Appareillages de lampes - Partie 1: Exigences générales et
exigences de sécurité
(IEC 61347-1:2015)

Geräte für Lampen - Teil 1: Allgemeine und
Sicherheitsanforderungen
(IEC 61347-1:2015)

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Foreword

The text of document 34C/1118/FDIS, future edition 3 of IEC 61347-1, prepared by SC 34C, "Auxiliaries for lamps", of IEC TC 34, "Lamps and related equipment", was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61347-1:2015.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-12-26
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-03-26

This document supersedes EN 61347-1:2008

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This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Endorsement notice

The text of the International Standard IEC 61347-1:2015 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60038	NOTE	Harmonized as EN 60038.
IEC 60155:1993	NOTE	Harmonized as EN 60155:1995.
IEC 60364-4-44	NOTE	Harmonized as HD 60364-4-444.
IEC 60598 (Series)	NOTE	Harmonized as EN 60598 (Series).
IEC 60664-3	NOTE	Harmonized as EN 60664-3.
IEC 60925:1989	NOTE	Harmonized as EN 60925:1991.
IEC 60925:1989/AMD1:1996	NOTE	Harmonized as EN 60925:1991/A1:1996.
IEC 60925:1989/AMD2:2001	NOTE	Harmonized as EN 60925:1991/A2:2001.
IEC 60927:2007	NOTE	Harmonized as EN 60927:2007.
IEC 60927:2007/AMD1:2013	NOTE	Harmonized as EN 60927:2007/A1:2013.

IEC 60929:2006	NOTE	Harmonized as EN 60929:2006.
IEC 60950-1	NOTE	Harmonized as EN 60950-1.
IEC 60990:1999	NOTE	Harmonized as EN 60990:1999.
IEC 61047:2004	NOTE	Harmonized as EN 61047:2004.
IEC 61347-2-1:2000	NOTE	Harmonized as EN 61347-2-1:2001.
IEC 61347-2-1:2000/AMD1:2005	NOTE	Harmonized as EN 61347-2-1:2001/A1:2006.
IEC 61347-2-2:2011	NOTE	Harmonized as EN 61347-2-2:2012.
IEC 62384	NOTE	Harmonized as EN 62384.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60065 (mod)	2001	Audio, video and similar electronic apparatus - Safety requirements	EN 60065	2002
-	-		+corrigendum Mar.	2006
-	-		+corrigendum Aug.	2007
-	-		+A11	2008
-	-		+A12	2011
IEC 60068-2-14	2009	Environmental testing -- Part 2-14: Tests - Test N: Change of temperature	EN 60068-2-14	2009
IEC 60081	-	Double-capped fluorescent lamps - Performance specifications	EN 60081	-
IEC 60085	2007	Electrical insulation - Thermal evaluation and designation	EN 60085	2008
IEC 60112	2003	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	EN 60112	2003
+A1	2009		+A1	2009
IEC 60216	series	Electrical insulating materials - Thermal endurance properties -- Part 1: Ageing procedures and evaluation of test results	EN 60216	series
IEC 60317-0-1	2013	Specifications for particular types of winding wires -- Part 0-1: General requirements - Enamelled round copper wire	EN 60317-0-1	2014
IEC 60384-14	-	Fixed capacitors for use in electronic equipment -- Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains	EN 60384-14	-
IEC 60417	-	Graphical symbols for use on equipment. Index, survey and compilation of the single sheets.	HD 243 S12	-
-	-		+corrigendum Oct.	-
+A1	1979		-	-
IEC 60449	1973	Voltage bands for electrical installations of buildings	HD 193 S2	1982
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+corrigendum May	1993
+A1	1999		+A1	2000
+A2	2013		+A2	2013
IEC 60598-1 (mod)	2014	Luminaires -- Part 1: General requirements and tests	EN 60598-1	2015

IEC 60598-2	series	Luminaires -- Part 2: Particular requirements	EN 60598-2	series
		-- Section 1: Fixed general purpose luminaires		
IEC 60664-1	2007	Insulation coordination for equipment within low-voltage systems -- Part 1: Principles, requirements and tests	EN 60664-1	2007
IEC 60664-4	2005	Insulation coordination for equipment within low-voltage systems -- Part 4: Consideration of high-frequency voltage stress	EN 60664-4	2006
-	-		+corrigendum Oct.	2006
IEC 60691	2002	Thermal-links - Requirements and application guide	EN 60691	2003
IEC 60695-2-10	-	Fire hazard testing -- Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure	EN 60695-2-10	-
IEC 60695-11-5	-	Fire hazard testing -- Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	-
IEC 60730-2-3	-	Automatic electrical controls for household and similar use -- Part 2-3: Particular requirements for thermal protectors for ballasts for tubular fluorescent lamps	EN 60730-2-3	-
IEC 60884-2-4	-	Plugs and socket-outlets for household and similar purposes -- Part 2-4: Particular requirements for plugs and socket-outlets for SELV		-
IEC 60901	-	Single-capped fluorescent lamps - Performance specifications	EN 60901	-
IEC 60906-3	-	IEC System of plugs and socket-outlets for household and similar purposes -- Part 3: SELV plugs and socket-outlets, 16 A 6V, 12 V, 24 V, 48 V, a.c. and d.c.		-
IEC 60921	2004	Ballasts for tubular fluorescent lamps - Performance requirements	EN 60921	2004
+A1	2006		+A1	2006
IEC 60923	2005	Auxiliaries for lamps - Ballasts for discharge lamps (excluding tubular fluorescent lamps) - Performance requirements	EN 60923	2005
IEC 60950-1	-	Information technology equipment - Safety -- Part 1: General requirements	EN 60950-1	-
-	-		+A11	-
-	-		+A12	-
-	-		+AC	-
IEC 61180-1	1992	High-voltage test techniques for low-voltage equipment -- Part 1: Definitions, test and procedure requirements	EN 61180-1	1994
IEC 61189-2	2006	Test methods for electrical materials, printed boards and other interconnection structures and assemblies -- Part 2: Test methods for materials for interconnection structures	EN 61189-2	2006
IEC 61249-2	series	Materials for printed boards and other interconnecting structures -- Part 2-1: Reinforced base materials, clad and unclad - Phenolic cellulose paper reinforced laminated sheets, economic grade, copper-clad	EN 61249-2	series
IEC 61347-2	series	Lamp controlgear -- Part 2-1: Particular requirements for starting devices (other than glow starters)	EN 61347-2	series
-	-		+corrigendum Jul.	-
-	-		+corrigendum Dec.	-

IEC 61347-2-8	-	Lamp controlgear -- Part 2-8: Particular requirements for ballasts for fluorescent lamps	EN 61347-2-8	-
-	-		+corrigendum Jul.	-
-	-		+corrigendum Dec.	-
IEC 61347-2-9	2012	Lamp controlgear -- Part 2-9: Particular requirements for electromagnetic controlgear for discharge lamps (excluding fluorescent lamps)	EN 61347-2-9	2013
IEC 61558-1	2005	Safety of power transformers, power supplies, reactors and similar products -- Part 1: General requirements and tests	EN 61558-1	2005
-	-		+corrigendum Aug.	2006
IEC 61558-2-6	2009	Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V -- Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers	EN 61558-2-6	2009
IEC 61558-2-16	2009	Safety of transformers, reactors, power supply units and similar products for voltages up to 1 100 V -- Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units	EN 61558-2-16	2009
ISO 4046-4	2002	Paper, board, pulps and related terms - Vocabulary -- Part 4: Paper and board grades and converted products	-	-

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INTRODUCTION

This part of IEC 61347 provides a set of general and safety requirements and tests which are considered to be generally applicable to most types of lamp controlgear and which can be called up as required by the different parts that make up IEC 61347-2. This Part 1 is thus not to be regarded as a specification in itself for any type of lamp controlgear, and its provisions apply only to particular types of lamp controlgear, to the extent determined by the appropriate Part 2 of IEC 61347.

The parts which make up IEC 61347-2, in referring to any of the clauses of this part, specify the extent to which such a clause is applicable and the order in which the tests are to be performed; they also include additional requirements as necessary. The order in which the clauses of this part are numbered has no particular significance, as the order in which their provisions apply is determined for each type of lamp controlgear by the appropriate Part 2 of the IEC 61347-2 series. All such parts are self-contained and therefore do not contain references to each other.

Where the requirements of any of the clauses of this part of IEC 61347 are referred to in the various parts that make up IEC 61347-2 by the phrase "The requirements of clause n of IEC 61347-1 apply", this phrase will be interpreted as meaning that all requirements of the clause in question of Part 1 apply, except any which are clearly inapplicable to the particular type of lamp controlgear covered by the Part 2 concerned.

Lamp controlgear which complies with the text of this standard will not necessarily be judged to comply with the safety principles of the standard if, when examined and tested, it is found to have other features which impair the level of safety covered by these requirements.

Lamp controlgear employing materials or having forms of construction differing from those detailed in the requirements of this standard may be examined and tested according to the intent of the requirement and, if found to be substantially equivalent, may be judged to comply with the safety principles of the standard.

Performance requirements for lamp controlgear are the subject of IEC 60921, IEC 60923, IEC 60925, IEC 60927, IEC 60929, IEC 61047 and IEC 62384 as appropriate for the type of lamp controlgear.

Safety requirements ensure that electrical equipment constructed in accordance with these requirements does not endanger the safety of persons, domestic animals or property when properly installed and maintained and used in applications for which it was intended.

Requirements for electronic lamp controlgear for other types of lamps will be the subject of a separate standard, as the need arises.

Controlgear can consist of a printed circuit board and may incorporate the following:

- controlgear;
- lampholder(s);
- switch(es);
- supply terminals.

The lamp controlgear should comply with this standard.

The lampholders(s), switch(es) and supply terminals should comply with their own standards.