Halogeenhõõglambid (mitte sõidukitele)

Tungsten halogen lamps (non-vehicle)



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

	This Estonian standard EVS-EN 60357:2001 consists of the English text of the European standard EN
ingliskeelset teksti.	60357:1988+ A4-13:2000.
S	
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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Võtmesõnad: condition of use, dimension, electrical characteristic, halogen lamp, lighting fitting, maximum pinch temperature, tungsten filament lamp,

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KEY WORDS: Lighting fitting; tungsten filament lamp; halogen lamp; electrical characteristic; dimension; maximum pinch temperature; condition of use

ENGLISH VERSION

TUNGSTEN HALOGEN LAMPS (NON VEHICLE) (IEC 357 (1982 - 2nd edition + Amendment No 1 (1984), modified))

Lampes tungstène-halogène (véhicules exceptés) (CEI 357 (1982 - 2ème edition + Modification n° 1 (1984), modifiée)) Halogen-Glühlampen (Fahrzeuglampen ausgenommen) (IEC 357 (1982 - 2. Ausgabe + Anderung Nr. 1 (1984), modifiziert))

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European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue Bréderode 2, B-1000 Brussels

BRIEF HISTORY

The CENELEC Questionnaire Procedure performed for finding out whether or not IEC 357 (2nd edition, 1982) with Amendment No. 1 (1984) could be accepted without textual changes, has shown that common modifications were necessary for the acceptance as European Standard (EN). The Reference Document was submitted to the CENELEC members for vote and acceptance by CENELEC.

TECHNICAL TEXT

The text of the International Standard IEC 357 (2nd edition, 1982) with Amendment No. 1 (1984) was approved by CENELEC on 10th September 1986 as a European Standard with agreed CENELEC common modifications. For the sake of clarity, the places in the text of IEC 357 to which the CENELEC common modifications apply have been marked by a vertical line in the left-hand margin and details of the original IEC text affected are given in Appendix C (informative).

The following dates were fixed:

doa:

1987-03-15

dolp/dow:

1988-03-15

Appendices designated "normative" are part of the body of the standard. Appendices designated "informative" are given only for information.

In this European Standard, Appendix A from the Reference Document is normative and also Appendix B added by CENELEC.

Appendix C added by CENELEC is informative.

CONTENTS

Brief	history	2
Techni	cal text	2
Prefac	ce of IEC Publication 357 (1982)	4
	SECTION ONE - GENERAL	
Clau	ase	
1.	Scope	7
2.	Limits on maximum watts	7
3.	The effect on lamp performance of fluctuations in mains supply voltage	7
4.	Cautionary notice for photographic and floodlight lamps	8
5.	Use of external fuses	<i>ડે</i>
6.	Maximum pinch temperatures for tungsten halogen lamps	10
7.	Numbering system for lamp data sheets	10
8.	Principles of dimensioning	11
9.	Tubular low-pressure tungsten halogen lamps	11
	SECTION TWO - PROJECTION LAMPS	
	Lamp standard sheets	
	SECTION THREE - PHOTOGRAPHIC LAMPS	
	Lamp standard sheets	
	SECTION FOUR - FLOODLIGHT LAMPS	
	Lamp standard sheets	
	SECTION FIVE - AIRFIELD LAMPS	
	INFORMATION as to original IEC text A second line is included It reads: Lamp standard sheets	

SECTION SIX - GENERAL PURPOSE LAMPS

Lamp standard sheets

APPENDIX A (normative) - Recommended method of testing for low-pressure tungsten halogen lamps

APPENDIX B (normative) - Other international publications quoted in this standard

APPENDIX C (informative) - Information as to original IEC text

INFORMATION as to original IEC text:

The Foreword of IEC Publication 357 (1982) is not part of this European Standard.

appendi. Appendix B (normative) and Appendix C (informative) are not included in IEC 357 (1982).

TUNGSTEN HALOGEN LAMPS (NON-VEHICLE)

INFORMATION as to original IEC text
The Foreword of IEC Publication 357(1982) is not part of this
European Standard. It reads:

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.
- 4) The IEC has not laid down any procedure concerning marking as an indication of approval and has no responsibility when an item of equipment is declared to comply with one of its recommendations.

Preface of IEC Publication 357(1982)

This standard has been prepared by Sub-Committee 34A: Lamps, of IEC Technical Committee No. 34: Lamps and Related Equipment.

It forms the second edition of IEC Publication 357 and replaces the first edition of 1971 and its supplement of 1973.

Drafts were discussed at the meetings held in The Hague in 1975 and in Brussels in 1977. As a result of these meetings, several drafts, Documents 34A(Central Office)114, 115, 117, 129, 130, 131, 144, 145, 148, 149 and 150, were submitted to the National Committees for approval under the Six Months' Rule between November 1976 and September 1978.

The National Committees of the following countries voted explicitly in favour of publication of these documents:

Documents 34A(CO)	114	115	117	129	130	131	144	145	148	149	150
Austria	х	х	х			0		}			
Belgium	X	X	Х	X	X	X	Х) X	X	X	X
Brazil	1			X	X	X			X	X	X
Canada	1		X	Х	X	X	X	X	X	Х	X
Denmark	X	X	X	Х	X	X	Х	X	i		
Egypt	X) X) X	X) X	J X	X	J X	j	J	ļ
Finland	X	X	X	X	X	X	X	X	X	X	X
France	1	X	1	, х	J X	Х	Х	X	X	X	X
Germany	X	X	X	X	X	Х	X	X	X	X	X
Hungary	X	X	X	X	X	X	X	X	X	X	X
Israel	ì		ļ	1	X		Х	X	7		
Italy	X	X	X	X	X	X	Х	X	X	X	X
Japan	X	X	X	X	X	X	X	X	X	Х	X
Korea (Democratic People's				ŀ			1				l
Republic of)	ı		1						X	X	X
Korea (Republic of)	İ			1		,	X	X		. /	
Netherlands	X	X	X	X	X	X	Х	X	X	X	X
Norway	ŀ		ŀ	X		X	X	X	l		
Poland	1	1	ļ	X	X	X	X	X	X	X	X

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Documents 34A(CO)	114	115	117	129	130	131	144	145	148	149	150
Romania	х	х	х	x	х	х			x	х	х
South Africa (Republic of)	Х	x	х	x	X	х	l		х	Ιx	Х
Sweden	Х		İ	x	х	x	x	X		i	İ
Switzerland	х	X	х	x	Х	х	х	X	х	l x	x
Turkey	x	x	х				x	х	х	x	х
United Kingdom	x	X	Х	x	х	х	х	х	х	l x	х
United States of America		X	х				х	x	x	X	х
Socialist Republics	x	X	X	x	X	x	X	x	x	X	x
Yugoslavia	x	X	х	x	X	х				1	1

Note. - Other international publications quoted in this standard are given in Appendix & (normative). Where those publications have been implemented as Harmonization Documents (HD) or European Standards (EN), reference to the relevant HD/EN has been included.

TUNGSTEN HALOGEN LAMPS (NON-VEHICLE)

INTRODUCTION

Since the publication of the first edition of IEC Publication 357, a number of documents have been approved under the Six Months' Rule, which have resulted in expanding its scope. The title has had to be amended to include additional types of lamps.

For convenience, the publication has been divided into sections according to lamp application.

Lamp standard sheet numbers have had to be revised.

SECTION ONE - GENERAL

1. Scope

This standard specifies dimensions and characteristics of tungsten-halogen lamps.

The lamps covered by this standard are designed specifically for the following applications:

PROJECTION
PHOTOGRAPHIC (including studio)
FLOOD-LIGHTING
SPECIALIZED AIRFIELD PURPOSES
GENERAL PURPOSE

Lamps for automobile, aircraft and similar applications are not covered by this standard.

Note. - Projection lamps include those used for cinematograph and still projection applications,

The specific requirements for tubular low-pressure tungsten halogen lamps are given in Clause 9.

The requirements for lamp caps are given in IEC Publication 61-1: Lamp Caps and Holders together with Gauges for the Control of Interchangeability and Safety, Part 1: Lamp Caps.

2. Limits on maximum watts

Lamps covered by this standard shall have a maximum wattage at rated voltage as follows:

Voltage ratings above 65 V = nominal wattage +8% Voltage ratings 65 V or less = nominal wattage +12%

For each type, 95% of the production shall comply with this requirement.

3. The effect on lamp performance of fluctuations in mains supply voltage

Projection lamps have a high efficiency and a corresponding short design life and thus any increase in operating voltage will result in a significant reduction in achieved life.