HALOGEENHÕÕGLAMBID (MITTE SÕIDUKILAMBID). TOIMIVUSOMADUSED

Tungsten halogen lamps (non-vehicle) - Performance specifications



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

	This Estonian standard EVS-EN 60357:2003 consists of the English text of the European standard EN 60357:2003.		
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.		
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 08.01.2003.	Date of Availability of the European standard is 08.01.2003.		
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.		

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile <u>standardiosakond@evs.ee</u>.

ICS 29.140.20

Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega: Aru 10, 10317 Tallinn, Eesti; koduleht <u>www.evs.ee</u>; telefon 605 5050; e-post <u>info@evs.ee</u>

The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:

Aru 10, 10317 Tallinn, Estonia; homepage www.evs.ee; phone +372 605 5050; e-mail info@evs.ee

EUROPEAN STANDARD

EN 60357

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2003

ICS 29.140.20

Supersedes EN 60357:1988 + A4:1991 + A5:1993 + A6:1994 + A7:1994 + A8:1995 + A9:1996 + A10:1997 + A11:1997 + A12:1999 + A13:2000

English version

Tungsten halogen lamps (non-vehicle) - Performance specifications

(IEC 60357:2002)

Lampes tungstène-halogène (véhicules exceptés) -Prescriptions de performances (CEI 60357:2002) Halogen-Glühlampen (Fahrzeuglampen ausgenommen) -Anforderungen an die Arbeitsweise (IEC 60357:2002)

This European Standard was approved by CENELEC on 2002-12-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 34A/1001/FDIS, future edition 3 of IEC 60375, prepared by SC 34A, Lamps, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60357 on 2002-12-01.

This European Standard Supersedes EN 60357:1988 + A4:1991 + A5:1993 + A6:1994 + A7:1994 + A8:1995 + A9:1996 + A10:1997 + A11:1997 + A12:1999 + A13:2000.

The following dates were fixed:

 latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement

(dop) 2003-09-01

 latest date by which the national standards conflicting with the EN have to be withdrawn

(dow) 2005-12-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annexes A, B and ZA are normative and annexes C, D and E are informative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60357:2002 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 60127-2	NOTE	Harmonized as EN 60127-2:1991 (not modified).
IEC 60269-3-1	NOTE	Harmonized as HD 630.3.1 S3:2002 (modified).
IEC 60335-2-56	NOTE	Harmonized as EN 60335-2-56:1997 (not modified).
IEC 60598-2	NOTE	Harmonized as 60598-2-x series (partly modified).
IEC 60630	NOTE	Harmonized as EN 60630:1998 (modified).
IEC 60682	NOTE	Harmonized as EN 60682:1993 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 60050-845	1987	International Electrotechnical Vocabulary (IEV) Chapter 845: Lighting	-	-
IEC 60061-1 (mod)	_ 1)	Lamp caps and holders together with gauges for the control of interchangeability and safety Part 1: Lamp caps	EN 60061-1	1993 2)
IEC 60432-2 (mod)	- 1)	Incandescent lamps - Safety specifications Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes	EN 60432-2	2000 2)
IEC 60432-3	_ 3)	Part 3: Tungsten halogen lamps (non-vehicle)	-	-
IEC 61341	_ 1)	Method of measurement of centre beam intensity and beam angle(s) of reflector lamps	_	-
CIE 84	1989	The measurement of luminous flux	5	-
			.0	
			9	
				5

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

³⁾ To be published.

CONTENTS

1	Gene	eral		9		
	1.1	Scope		9		
	1.2	Norma	tive references	9		
	1.3 Definitions					
	1.4 Lamp requirements					
		1.4.1	General	14		
		1.4.2	Caps and bases	14		
		1.4.3	Dimensions	14		
		1.4.4	Wattage	14		
		1.4.5	Photometric characteristics	14		
		1.4.6	Lumen maintenance and centre beam intensity maintenance.	17		
		1.4.7	Cautionary notices for lamps without outer envelope	17		
	1.5	Inform	ation for luminaire design	17		
	1.6	Genera	al data sheets and lamp data sheets	17		
		1.6.1	Numbering system	17		
		1.6.2	General data sheets	18		
		1.6.3	Lamp data sheets	18		
2	Proje	ection la	imps			
3	Photo	ographi	c lamps (including studio)			
4	Flood	dlight la	mps			
5	Spec	ial purp	mps pose lamps pose lamps ag lamps			
6	•		pose lamps			
7			ng lamps			
'	Otag	o ngmin	giamps			
Λ.			Control of the Contro			
An			tive) Method of test for photometric, maintenance and life cs	Δ-2		
Λn	nov R	(normat	tive) Symbols	R-2		
Λ ΙΙ	ilex D	(1101111a)	ative) Information for luminaire design	B-2		
		•	ative) Bulb wall temperature measurement	D-2		
An	nex E	(informa	ative) ILCOS codes	E-2		
Bib	oliogra	phy				
				1		
				O_{λ}		

TUNGSTEN HALOGEN LAMPS (non-vehicle) – PERFORMANCE SPECIFICATIONS

1 General

1.1 Scope

This International Standard specifies the performance requirements for single-capped and double-capped tungsten halogen lamps, having rated voltages of up to 250 V, used for the following applications:

- Projection (including cinematograph and still projection)
- Photographic (including studio)
- Floodlighting
- Special purpose
- · General purpose
- Stage lighting

For some of the requirements given in this standard reference is made to "the relevant data sheet". For some lamps these data sheets are contained in this standard. For other lamps, falling under the scope of this standard, the relevant data are supplied by the lamp manufacturer or responsible vendor.

The requirements of this standard relate only to type testing.

NOTE The requirements and tolerances permitted by this standard correspond to testing of a type test sample, submitted by the manufacturer for that purpose. In principle this type test sample should consist of units having characteristics typical of the manufacturer's production and being as close to the production centre point values as possible.

It may be expected with the tolerances given in the standard that products manufactured in accordance with the type test sample will comply with the standard for the majority of production. Due to the production spread however, it is inevitable that there will sometimes be products outside the specified tolerances. For guidance on sampling plans and procedures for inspection by attributes, see IEC 60410.

1.2 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 60050-845: 1987, International Electrotechnical Vocabulary (IEV) - Chapter 845: Lighting

IEC 60061-1: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps

IEC 60432-2: Incandescent lamps – Safety specifications – Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes

IEC 60432-3: Incandescent lamps - Safety specifications - Part 3: Tungsten halogen lamps (non-vehicle) 1)

-

¹⁾ To be published.