



SLOVENSKI STANDARD

SIST EN 2240-089:2011

01-oktober-2011

Aeronavtika - Žarnice - 089. del: Žarnica, kod A7512-24 - Standard za izdelek

Aerospace series - Lamps, incandescent - Part 089: Lamp, code A7512-24 - Product standard

Luft- und Raumfahrt - Glühlampen - Teil 089: Lampe, Kode A7512-24 - Produktnorm

Série aérospatiale - Lampes à incandescence - Partie 089 : Lampe, code A7512-24 - Norme de produit

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Ta slovenski standard je istoveten z: **EN 2240-089:2011**

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ICS:

49.060

Letalska in vesoljska
električna oprema in sistemi

Aerospace electric
equipment and systems

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en,fr,de

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EUROPEAN STANDARD

EN 2240-089

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2011

ICS 49.060

English Version

**Aerospace series - Lamps, incandescent - Part 089: Lamp, code
A7512-24 - Product standard**

Série aérospatiale - Lampes à incandescence - Partie 089:
Lampe, code A7512-24 - Norme de produit

Luft- und Raumfahrt - Glühlampen - Teil 089: Lampe, Kode
A7512-24 - Produktnorm

This European Standard was approved by CEN on 28 April 2011.

CEN 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 CEN-CENELEC Management Centre or to any CEN 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 CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN 2240-089:2011) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2012, and conflicting national standards shall be withdrawn at the latest by February 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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EN 2240-089:2011 (E)**1 Scope**

This European Standard specifies the required characteristics for lamp, code A7512-24, for aerospace applications.

It should be used together with EN 2756.

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.

EN 2240-001, *Aerospace series — Lamps, incandescent — Part 001: Technical specification*

EN 2240-002, *Aerospace series — Lamps, incandescent — Part 002: Main characteristics*

EN 2241, *Aerospace series — Lamp caps — Dimensions*

EN 2756, *Aerospace series — Lamps, incandescent — Test methods*

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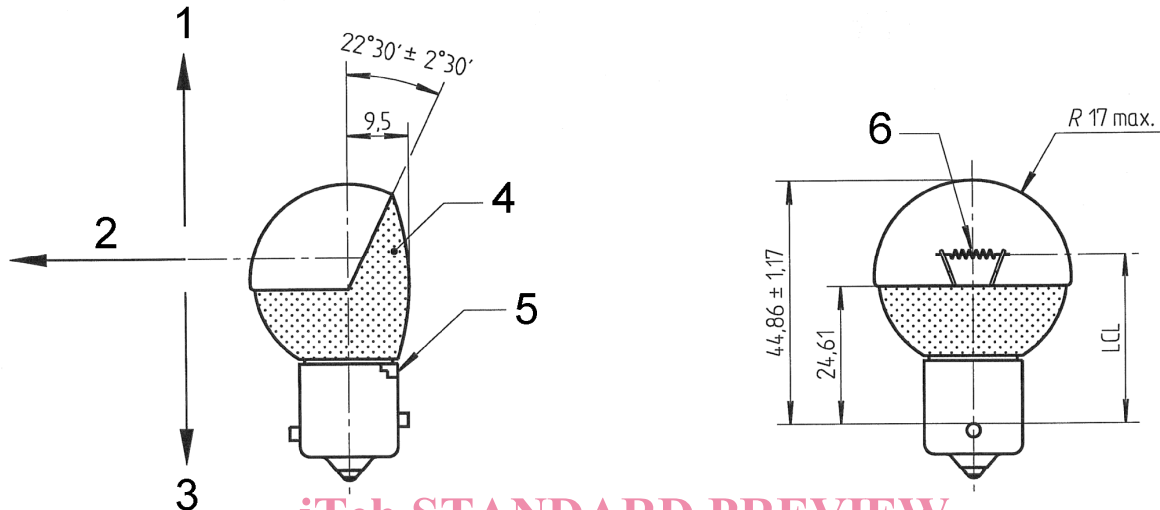
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3 Required characteristics

3.1 Dimensions and mass

See Figure 1 and Table 1.

Dimensions are given in millimetres.



Key

- 1 Outboard
- 2 Flight axis
- 3 Inboard

4 Reflective area

5 Side solder

6 Light centre

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Figure 1

Table 1

Bulb appearance		Silvered	
Nominal voltage	V	28	
Nominal current	A	0,93	
Nominal power	W	26	
Luminous intensity	C1	cd	200
	C2	cd	25
Colour temperature	K	2 760	
Life	Static with d.c.	h	300
	Dynamic with d.c.	h	150
	Static with a.c.	h	400
Reduced voltage	V	–	
Luminous flux at reduced voltage	lm	–	
Form of filament		CC - 6	
Light Centre Length (LCL)		29,4 ± 1	
Mass (for 1 000)	kg	10	

EN 2240-089:2011 (E)**3.2 Other characteristics**

See Table 1 and Table 2.

Table 2

	Light distribution			
	In horizontal plane containing flight axis		In vertical plane containing flight axis above and below flight axis	
Angle of distribution	From 2° inboard to 15° outboard	From 15° outboard to 100° outboard	From 0° to 20°	From 20° to 80°
Luminous intensity	C1 min.	C2 min.	180 cd min.	20 cd min.

3.3 Form of filament

See EN 2240-002.

3.4 Cap

BAY15s/19: see EN 2241.

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4 Designation

EXAMPLE

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Description block

Identity block

LAMP, INCANDESCENT

EN2240A7512-24

Number of the basic standard _____

Code (see EN 2240-002) _____

NOTE If necessary, the code I9005 shall be placed between the description block and the identity block.

5 Marking

Unless there is not enough space, the lamp and its packaging shall be marked with the international code number such as indicated in EN 2240-002.

6 Technical specification

See EN 2240-001.