



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 62013-2:2006**

ICS 29.260.20

**CAPLIGHTS FOR USE IN MINES  
SUSCEPTIBLE TO FIREDAMP -- PART 2:  
PERFORMANCE AND OTHER  
SAFETY-RELATED MATTERS (IEC  
62013-2:2005 (EQV))**

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*This Irish Standard was  
published under the  
authority of the National  
Standards Authority of  
Ireland and comes into  
effect on:  
16 August 2006*

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 62013-2**

July 2006

ICS 29.260.20

Supersedes EN 62013-2:2000

English version

**Caplights for use in mines susceptible to firedamp  
Part 2: Performance and other safety-related matters  
(IEC 62013-2:2005)**

Lampes-chapeaux utilisables  
dans les mines grisouteuses  
Partie 2: Performance et autres sujets  
relatifs à la sécurité  
(CEI 62013-2:2005)

Kopfleuchten für die Verwendung  
in schlagwettergefährdeten Grubenbauen  
Teil 2: Gebrauchstauglichkeit  
und Sicherheit  
(IEC 62013-2:2005)

This European Standard was approved by CENELEC on 2006-02-01. 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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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 31/586A/FDIS, future edition 2 of IEC 62013-2, prepared by IEC TC 31, Equipment for explosive atmospheres, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62013-2 on 2006-02-01.

This European Standard supersedes EN 62013-2:2000.

The general revision and updating of EN 62013-2:2000 is a result of feedback from the manufacturers and the certifiers following the use of the standard. Its purpose is clarification and the elimination of any ambiguities. Account has also been taken of changes in related standards.

Apart from the general revision and updating, the main technical differences from EN 62013-2:2000 are Clause 5 to accommodate new LED technology and reflector / lens design and to allow calculation as an alternative to testing, and, as a result, simplification of the illumination type test in Clause 8.

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) | 2007-02-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn   | (dow) | 2009-02-01 |

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 62013-2:2005 was approved by CENELEC as a European Standard without any modification.

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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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.

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>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-845	1987	International Electrotechnical Vocabulary (IEV) Chapter 845: Lighting	-	-
IEC 60983	1995	Miniature lamps	EN 60983	1996
IEC 62013-1	2005	Caplights for use in mines susceptible to firedamp Part 1: General requirements - Construction and testing in relation to the risk of explosion	EN 62013-1	2006
ISO 1000	- <sup>1)</sup>	SI units and recommendations for the use of their multiples and of certain other units	-	-

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<sup>1)</sup> Undated reference.

**NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD**

**CEI  
IEC**

**62013-2**

Deuxième édition  
Second edition  
2005-10

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**Lampes-chapeaux utilisables  
dans les mines grisouteuses –**

**Partie 2:  
Performance et autres sujets  
relatifs à la sécurité**

**Caplights for use in mines  
susceptible to firedamp –**

**Part 2:  
Performance and other safety-  
related matters**



Numéro de référence  
Reference number  
CEI/IEC 62013-2:2005

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