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Standards

Irish Standard  
I.S. EN 60079-35-2:2012

# Explosive atmospheres -- Part 35-2: Caplights for use in mines susceptible to firedamp - Performance and other safety-related matters (IEC 60079-35 -2:2011 (EQV))

## I.S. EN 60079-35-2:2012

*Incorporating amendments/corrigenda issued since publication:*

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60079-35-2**

August 2012

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Supersedes EN 62013-2:2006

English version

**Explosive atmospheres -  
Part 35-2: Caplights for use in mines susceptible to firedamp -  
Performance and other safety-related matters  
(IEC 60079-35-2:2011)**

Atmosphères explosives -  
Partie 35-2: Lampes chapeaux utilisables  
dans les mines grisouteuses -  
Performances et autres sujets relatifs à la  
sécurité  
(CEI 60079-35-2:2011)

Explosionsfähige Atmosphäre -  
Teil 35-2: Kopfleuchten für die  
Verwendung in schlagwettergefährdeten  
Grubenbauen -  
Gebrauchstauglichkeit und andere  
sicherheitsrelevante Themen  
(IEC 60079-35-2:2011)

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# CENELEC

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

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## **I.S. EN 60079-35-2:2012**

EN 60079-35-2:2012

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### **Foreword**

The text of document 31/955/FDIS, future edition 1 of IEC 60079-35-2, prepared by IEC/TC 31 "Equipment for explosive atmospheres" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60079-35-2:2012.

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) 2013-02-10
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-01-11

This document supersedes EN 62013-2:2006.

The general revision and updating of EN 62013-2:2006 has been necessitated by the advent of new technologies related to caplight design, in particular those related light-emitting diode (LED) light sources. It is intended that there should be a stronger link between Part 1 (Construction) and Part 2 (Performance) of this standard by upgrading the reference in the scope of part 1 from a note to a requirement.

In addition, as this standard is now to become one of the EN 60079 series, changes have been made to bring it more in line with others in the series by cross referencing. This has enabled there to be a reduction in the number and length of clauses in the standard.

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

### **Endorsement notice**

The text of the International Standard IEC 60079-35-2:2011 was approved by CENELEC as a European Standard without any modification.

## 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 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	-	International Electrotechnical Vocabulary (IEV) - Chapter 845: Lighting	-	-
IEC 60079-35-1	-	Explosive atmospheres - Part 35-1: Caplights for use in mines susceptible to firedamp - General requirements - Construction and testing in relation to the risk of explosion	EN 60079-35-1	-
IEC 60983	-	Miniature lamps	EN 60983	-
ISO 80000-1	-	Quantities and units - Part 1: General	-	-

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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### **EXPLOSIVE ATMOSPHERES –**

#### **Part 35-2: Caplights for use in mines susceptible to firedamp – Performance and other safety-related matters**

#### **FOREWORD**

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International Standard IEC 60079-35-2 has been prepared by IEC technical committee 31: Equipment for explosive atmospheres.

This first edition of IEC 60079-35-2 cancels and replaces the second edition (2005) of IEC 62013-2 published in 2005 and constitutes a full technical revision.

The general revision and updating of Edition 2 of IEC 62013-2 has been necessitated by the advent of new technologies related to caplight design, in particular those related light-emitting diode (LED) light sources. It is intended that there should be a stronger link between Part 1 (Construction) and Part 2 (Performance) of this Standard by upgrading the reference in the Scope of part 1 from a note to a requirement.

In addition as this Standard is now to become one of the IEC 60079 series, changes have been made to bring it more in line with others in the series by cross referencing. This has enabled there to be a reduction in the number and length of clauses in the Standard.



The text of this standard is based on the following documents:

FDIS	Report on voting
31/955/FDIS	31/963/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the IEC 60079 series, under the general title *Explosive atmospheres*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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