



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 50033 : 1992**

ICS 29.260.20

13.230

13 260

**ELECTRICAL APPARATUS FOR POTENTIALLY  
EXPLOSIVE ATMOSPHERES. CAPLIGHTS FOR  
MINES SUSCEPTIBLE TO FIREDAMP**

National Standards  
Authority of Ireland  
Glasnevin, Dublin 9  
Ireland

Tel: +353 1 807 3800

Fax: +353 1 807 3838

<http://www.nsai.ie>

**Sales**

<http://www.standards.ie>

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

*October 16, 1992*

**NO COPYING WITHOUT NSAI  
PERMISSION EXCEPT AS  
PERMITTED BY COPYRIGHT  
LAW**

© NSAI 1992

**Price Code F**

Údarás um Chaighdeán Náisiúnta na hÉireann



**DECLARATION**  
  
OF  
  
SPECIFICATION  
  
ENTITLED  
  
ELECTRICAL APPARATUS FOR  
  
POTENTIALLY EXPLOSIVE ATMOSPHERES CAPLIGHTS  
  
FOR MINES SUSCEPTIBLE TO FIREDAMP  
  
AS  
  
THE IRISH STANDARD SPECIFICATION FOR  
  
ELECTRICAL APPARATUS FOR  
  
POTENTIALLY EXPLOSIVE ATMOSPHERES CAPLIGHTS  
  
FOR MINES SUSCEPTIBLE TO FIREDAMP

---

EOLAS - The Irish Science and Technology Agency in exercise of the power conferred by section 20 (5) of the Industrial Research and Standards Act, 1961 ( No. 20 of 1961 ) and the Science and Technology Act, 1987 (No. 30 of 1987), and with the consent of the Minister for Industry and Commerce, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Electrical Apparatus for Potentially Explosive Atmospheres Caplights for Mines Susceptible to Firedamp) Declaration, 1992.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Electrical Apparatus for Potentially Explosive Atmospheres Caplights for Mines Susceptible to Firedamp. The Schedule comprises the text of EN 50033:1991.  
  
(2) The said standard specification may be cited as Irish Standard/EN 50033 : 1992 or as I.S./EN 50033:1992.
3. (1) The Standard Specification (Electrical Apparatus for Potentially Explosive Atmospheres. Caplamps for Mines Susceptible to Firedamp) Declaration, 1987, is hereby revoked.  
  
(2) Reference in any other standard specification to the Instrument hereby revoked and to Irish Standard/EN 50033:1987, thereby prescribed, shall be construed, respectively, as references to this Instrument and to Irish Standard/EN 50033:1992.



EUROPEAN STANDARD

EN 50033

NORME EUROPEENNE

EUROPÄISCHE NORM

March 1991

UDC 621.32-213.34:622.474:614.838.4

Descriptors: Electrical apparatus, potentially explosive atmosphere, explosive atmosphere, explosion proofing, mines susceptible to firedamp, caplight

ENGLISH VERSION

ELECTRICAL APPARATUS FOR POTENTIALLY EXPLOSIVE ATMOSPHERES  
CAPLIGHTS FOR MINES SUSCEPTIBLE TO FIREDAMP

Matériel électrique pour  
atmosphères explosibles  
Lampes-chapeau pour les  
mines grisouteuses

Elektrische Betriebsmittel für  
explosionsgefährdete Bereiche  
Kopfleuchten für schlagwetter-  
gefährdete Grubenbaue

This European Standard was approved by CENELEC on 1990-12-10.  
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 list 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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

Page 2  
EN 50033:1991

<b>Contents</b>	<b>Page</b>
Foreword	3
1 Scope	4
2 Normative references	4
3 Definitions	5
4 General	6
5 Headpiece	6
6 Battery	8
7 Cable	10
8 External charging contacts	12
9 Type verifications and tests	12
10 Marking	14

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-