



MALAYSIAN STANDARD

MS 619-2-22:2005
(CONFIRMED:2013)

**Luminaires - Part 2-22: Particular
requirements - Luminaires for emergency
lighting
(First revision)
(IEC 60598-2-22:1997 and AMD. 1:2002, MOD)**

ICS: 29.140.01

Descriptors: luminaires, emergency light

NOTE. This MS has been reviewed by the responsible committee and confirmed that its contents are current

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Committee representation

The Electrotechnical Industry Standards Committee (ISC E) under whose authority this Malaysian Standard was developed comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Department of Standards Malaysia
Federation of Malaysian Consumers Association
Federation of Malaysian Manufacturers
Jabatan Kerja Raya
Malaysian Electrical Appliances and Distributors Association
Malaysian Electrical Cable and Wires Association
Ministry of Domestic Trade and Consumer Affairs
Ministry of International Trade and Industry
Pusat Tenaga Malaysia
Suruhanjaya Komunikasi dan Multimedia Malaysia
Suruhanjaya Tenaga
The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Lighting, Lamps and Accessories which supervised the development of this Malaysian Standard consists of representatives from the following organisations:

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Jabatan Kerja Raya
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd (Electrotechnical Testing Section)
SIRIM QAS International Sdn Bhd (Product Certification Section)
Suruhanjaya Tenaga
The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia
TNB Distribution Sdn Bhd
Universiti Teknologi Malaysia

The Working Group on Emergency Lighting which developed this Malaysian Standard consists of representatives from the following organisations:

Accupro Sdn Bhd
Econlite (M) Sdn Bhd
Everbright Electronics Sdn Bhd
Jabatan Bomba dan Penyelamat Malaysia
Jabatan Kerja Raya
Jumbohan Marketing Sdn Bhd
Khind Industries Sdn Bhd
LightPeople Sdn Bhd
Megalux Lightings Sdn Bhd
PNE Systems Sdn Bhd
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd (Electrotechnical Testing Section)
SIRIM QAS International Sdn Bhd (Product Certification Section)
Suruhanjaya Tenaga

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NATIONAL FOREWORD

This Malaysian Standard was developed by the Working Group on Emergency Lighting under the authority of the Electrotechnical Industry Standards Committee.

This Malaysian Standard corresponds to IEC 60598-2-22:1997+A1:2002, *Luminaires – Part 2-22: Particular requirements – Luminaires for emergency lighting*, published by the International Electrotechnical Commission (IEC) with the following modifications:

- a) Clause 22.12.4, the ambient temperature given in the NOTE has been changed from $(20 \pm 5) ^\circ\text{C}$ to $(25 \pm 5) ^\circ\text{C}$;
- b) Clause 22.16.1, after the third paragraph, the following note has been inserted:

NOTE. The designer should specify the minimum rated lumen output of the emergency luminaires and also the high-risk task-areas;
- c) Clause A.1, the NOTE shall read “Other battery types (such as nickel metal hydride, etc) may be allowed provided they conform to their relevant safety and performance standard and the relevant requirements of this standard”;
- d) in the source text, “this International Standard” should read “this Malaysian Standard”;
- e) the comma which is used as a decimal sign (if any), to read as a point; and
- f) references to some International Standards are replaced by equivalent Malaysian Standards as follows, others are retained;

Referenced International Standards

Corresponding Malaysian Standards

IEC 60079, <i>Electrical apparatus for explosive gas atmospheres</i>	MS IEC 60079, <i>Electrical apparatus for explosive gas atmospheres</i>
IEC 60155, <i>Glow-starters for fluorescent lamps</i>	MS IEC 60155, <i>Glow-starters for fluorescent lamps</i>
IEC 60364-5-56, <i>Electrical installations of buildings - Part 5: Selection and erection of electrical equipment – Chapter 56: Safety services</i>	MS IEC 60364-5-56, <i>Electrical installations of buildings - Part 5: Selection and erection of electrical equipment – Chapter 56: Safety services</i>
IEC 60598-1, <i>Luminaires – Part 1: General requirements and tests</i>	MS IEC 60598-1, <i>Luminaires – Part 1: General requirements and tests</i>
IEC 60742, <i>Isolating transformers and safety isolating transformers – Requirements</i>	MS 1700, <i>Isolating transformers and safety isolating transformers - Requirements</i>
IEC 60928, <i>Auxiliaries for lamps – A.C. supplied electronic ballasts for tubular fluorescent lamps – General and safety requirements</i>	MS IEC 60928, <i>Auxiliaries for lamps – A.C. supplied electronic ballasts for tubular fluorescent lamps – General and safety requirements</i>

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IEC 61046, *D.C. or a.c. supplied electric step-down convertors for filament lamps – General and safety requirements*

MS IEC 61046, *D.C. or a.c. supplied electric step-down convertors for filament lamps – General and safety requirements*

ISO 3864, *Safety colours and safety signs*

MS 981, *Specification for safety signs and colours: Colour and design*

This Malaysian Standard shall be used in conjunction with MS IEC 60598-1, *Luminaires – Part 1: General requirements and tests*.

This Malaysian Standard cancels and replaces MS 619: Part 102: Section 102.22:1985, *Specification for luminaires for emergency lighting*.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

NOTE. MOD on the front cover indicates a modified standard i.e. a standard adapted from an International Standard with permitted technical deviations, which are clearly identified and explained. The changes in structure are permitted provided that the altered structure permits easy comparison of the content of the two standards. Modified standards also include the changes permitted under identical correspondence.

**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

60598-2-22

Edition 3.1

2002-08

Edition 3:1997 consolidée par l'amendement 1:2002
Edition 3:1997 consolidated with amendment 1:2002

Luminaires –

**Partie 2-22:
Règles particulières –
Luminaires pour éclairage de secours**

Luminaires –

**Part 2-22:
Particular requirements –
Luminaires for emergency lighting**



Numéro de référence
Reference number
CEI/IEC 60598-2-22:1997+A1:2002

Numérotation des publications

Depuis le 1er janvier 1997, les publications de la CEI sont numérotées à partir de 60000. Ainsi, la CEI 34-1 devient la CEI 60034-1.

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