



MALAYSIAN STANDARD

MS IEC 62031:2021

LED Modules for General Lighting – Safety Specification (First revision) (IEC 62031:2018, IDT)

ICS: 29.140.99; 31 080.99

Descriptors: LED module, general lighting, safety, specification

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DEPARTMENT OF STANDARDS MALAYSIA

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Committee representation

The National Standards Committee on Electrical and Electronic Equipment and Accessories (NSC S) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Atomic Energy Licensing Board
Department of Standards Malaysia (Secretariat)
Federation of Malaysian Manufacturers
Jabatan Kerja Raya Malaysia
Malaysian Association of Standards Users
Malaysian Cable Manufacturers Association
Malaysian Communications and Multimedia Commission
Malaysian Electrical Appliances and Distributors Association
Malaysian Green Technology Corporation
Ministry of Domestic Trade and Consumer Affairs
Ministry of International Trade and Industry
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SIRIM QAS International Sdn Bhd
Suruhanjaya Tenaga
Tenaga Nasional Berhad
The Electrical and Electronics Association of Malaysia
Tunku Abdul Rahman University College
Universiti Teknologi Malaysia
Universiti Tenaga Nasional

The Technical Committee on Lighting, Lamps and Accessories (TC/S/3) which recommended the adoption of the IEC Standard as Malaysian Standard consists of representatives from the following organisations

Association of Consulting Engineers Malaysia
Department of Standards Malaysia (Secretariat)
Federation of Malaysian Manufacturers
Jabatan Kerja Raya Malaysia
SIRIM QAS International Sdn Bhd
Suruhanjaya Tenaga
Tenaga Nasional Berhad
The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia
Universiti Malaya
Universiti Tenaga Nasional

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National foreword

The adoption of the IEC Standard as a Malaysian Standard was recommended by the Technical Committee on Lighting, Lamps and Accessories (TC/S/3) under the authority of The National Standards Committee on Electrical and Electronics Equipments and Accessories (NSC S)

This Malaysian Standard is identical with IEC 62031:2018, *LED modules for general lighting - Safety specifications*, published by the International Electrotechnical Commission (IEC). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, "this European Standard" should read "this Malaysian Standard";
- b) the comma which is used as a decimal sign (if any), to read as a point;
- c) the basis IEC 62031 is printed in English and French languages. However, only the English version is retained in this Malaysian Standard; and
- d) reference to International Standards should be replaced by corresponding Malaysian

Referenced International Standards

Corresponding Malaysian Standard

IEC 60598-1,
Amendment 1 - Luminaires
– Part 1: General requirements and tests

MS IEC 60598-1,
Amendment 1 – Luminaires
– Part 1: General requirements and tests

IEC 60838-2-2, *Miscellaneous lampholders*
– Part 2-2: Particular requirements –
Connectors for LED modules

MS IEC 60838-2-2, *Miscellaneous lampholders*
– Part 2-2: Particular requirements –
Connectors for LED modules

IEC 61347-1, *Lamp controlgear*
– Part 1: General and safety requirements

MS IEC 61347-1, *Lamp controlgear*
– Part 1: General and safety requirements

IEC 61347-2-13, *Lamp controlgear*
– Part 2-13: Particular requirements for d.c.
or a.c. supplied electronic controlgear for
LED modules

MS IEC 61347-2-13, *Lamp controlgear*
– Part 2-13: Particular requirements for d.c. or
a.c. supplied electronic controlgear for LED
modules

IEC 62471, *Photobiological safety of lamps
and lamp systems*

MS IEC 62471, *Photobiological safety of
lamps and lamp systems*

ISO 4046-4, *Paper, board, pulp and related
terms – Vocabulary – Part 4: Paper and
board grades and converted products*

MS ISO 4046-4, *Paper, board, pulp and
related terms – Vocabulary – Part 4: Paper
and board grades and converted products*

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National foreword *(continued)*

This Malaysian Standard cancels and replaces MS IEC 62031:2011.

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

NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, and wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.