



# MALAYSIAN STANDARD

MS IEC 60598-1:2012

**Luminaires -  
Part 1: General requirements and tests  
(Third revision)  
(IEC 60598-1:2008, IDT)**

**ICS: 29.140.40**

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Preview Only

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The Industry Standards Committee on Electrical and Electronics Equipments and Accessories (ISC S) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Atomic Energy Licensing Board  
Department of Standards Malaysia  
Federation of Malaysian Manufacturers  
Jabatan Kerja Raya Malaysia  
Malaysian Association of Standards Users  
Malaysian Cable Manufacturers Association  
Malaysian Electrical Appliances and Distributors Association  
Malaysian Green Technology Corporation  
Ministry of Domestic Trade, Co-operatives and Consumerism  
Multimedia University  
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Suruhanjaya Komunikasi dan Multimedia Malaysia  
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Tenaga Nasional Berhad (Bahagian Pembahagian)  
The Electrical and Electronics Association of Malaysia  
Universiti Teknologi Malaysia  
Universiti Tenaga Nasional

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

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

The Working Group on LED which recommended the adoption of the IEC Standard as Malaysian Standard consists of representatives from the following organisations:

Avago Technologies (M) Sdn Bhd  
Globetronics Technology Berhad  
ItraMAS Manufacturing Sdn Bhd  
LM Lighting Malaysia Sdn Bhd  
PCO LITE Electrical Sdn Bhd  
P-Plus Lighting Sdn Bhd  
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SIRIM QAS International Sdn Bhd  
Siteco Lighting (M) Sdn Bhd  
Suruhanjaya Tenaga  
The Electrical and Electronics Association of Malaysia  
The Institution of Engineers, Malaysia

## **NATIONAL FOREWORD**

The adoption of the IEC Standard as a Malaysian Standard was recommended by the Working Group on LED under the authority of the Industry Standards Committee on Electrical and Electronics Equipments and Accessories.

This Malaysian Standard is the third revision of MS IEC 60598-1, *Luminaires - Part 1: General requirements and tests*.

This Malaysian Standard is identical with IEC 60598-1:2008, *Luminaires - Part 1: General requirements and tests*, published by the International Electrotechnical Commission (IEC). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, "this International Standard" should read "this Malaysian Standard";
- b) the comma which is used as a decimal sign (if any), to read as a point; and
- c) the basis IEC 60598-1 is printed in English and French languages. However, only the English version is retained in this Malaysian Standard.

MS IEC 60598 consists of the following parts, under the general title *Luminaires*:

*Part 1: General requirements and tests*

*Part 2-1: Particular requirements - Fixed general purpose luminaires*

*Part 2-2: Particular requirements - Recessed luminaires*

*Part 2-3: Particular requirements - Luminaires for road and street lighting*

*Part 2-4: Particular requirements - Portable general purpose luminaires*

*Part 2-5: Particular requirements - Floodlights*

*Part 2-6: Particular requirements - Luminaires with built-in transformers for filament lamps*

*Part 2-7: Particular requirements. Section Seven: Portable luminaires for garden use*

*Part 2-8: Particular requirements - Handlamps*

*Part 2-9: Particular requirements - Photo and film luminaires (non-professional)*

*Part 2-10: Particular requirements - Portable luminaires for children*

*Part 2-11: Particular requirements - Aquarium luminaires*

*Part 2-12: Particular requirements - Mains socket-outlet mounted nightlights*

*Part 2-13: Particular requirements - Ground recessed luminaires*

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*Part 2-14: Particular requirements - Luminaires for cold cathode tubular discharge lamps (neon tubes) and similar equipment*

*Part 2-17: Particular requirements - Luminaires for stage lighting, television and film studios (outdoor and indoor)*

*Part 2-18: Particular requirements - Luminaires for swimming pools and similar applications*

*Part 2-19: Particular requirements - Air-handling luminaires (safety requirements)*

*Part 2-20: Particular requirements - Lighting chains*

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

*Part 2-23: Particular requirements - Extra low voltage lighting systems for filament lamps*

*Part 2-24: Particular requirements - Luminaires with limited surface temperatures*

*Part 2-25: Particular requirements - Luminaires for use in clinical areas of hospitals and health care buildings*

This Malaysian Standard cancels and replaces MS IEC 60598-1:2006.

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.