

SINGAPORE STANDARD

## **Specification for luminaires**

– Part 2 : Particular requirements – Luminaires  
for emergency lighting

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This Singapore Standard having been approved by the Electrical and Electronic Product Standards Committee was endorsed by the Standards Council on 30 November 1998.

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The Electrical and Electronic Product Standards Committee appointed by the Standards Council consists of the following members:

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The Technical Committee on Luminaires appointed by the Electrical and Electronic Product Standards Committee and responsible for the preparation of this standard consists of representatives from the following organisations:

	<b>Name</b>	<b>Organisation</b>
<b>Chairman</b>	: Mr K Seshadri	<i>Individual Capacity</i>
<b>Secretary</b>	: Mrs Leong Suet Mui	<i>Singapore Productivity and Standards Board</i>
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## National Foreword

This Singapore Standard was prepared by the Technical Committee on Luminaires under the direction of the Electrical and Electronic Product Standards Committee.

This standard is identical to IEC 60598-2-22 : 1997-08 (Third Edition) which is published by the International Electrotechnical Commission. This standard should be read in conjunction with SS 263 : Part 1 – 'Specification for luminaires, Part 1 : General requirements and tests.'

Attention is also drawn to the following:

1. The title 'Part 2-22 : Particular requirements - Luminaires for emergency lighting' is to be read as 'SS 263 : Part 2 Particular requirements - Luminaires for emergency lighting'.
2. Where the reference 'This section of IEC 60598-2' or 'this section' appears, it should be interpreted as 'This part 2 of SS 263' or 'this SS 263 : Part 2'.
3. Where the reference 'IEC 60598-1' or 'relevant section of IEC 60598-2' appears, they should be interpreted as 'SS 263 : Part 1' or 'relevant part of SS 263', respectively.
4. The IEC Standards referred to shall be replaced by Singapore Standards as follows:

International Standard	Corresponding Singapore Standard	
IEC 79	SS 254	Electrical apparatus for explosive gas atmospheres
IEC 920	SS 24	Ballasts for fluorescent lamps on a.c. 50 Hz supplies
IEC 924	SS 377	D.C. supplied electronic ballasts for tubular fluorescent lamps, Part 1 : General and safety requirements
IEC 928	SS 380	A.C. supplied electronic ballasts for tubular fluorescent lamps, Part 1 : General and safety requirements

Annexes A, B and C form an integral part of this standard.

Annex D is for information only.

### NOTE

1. *Singapore Standards are subject to periodic review to keep abreast of technological changes and new technical developments. The revisions of Singapore Standards are announced through the issue of either amendment slips or revised editions.*
2. *Compliance with a Singapore Standard does not exempt users from legal obligations.*

## Specification for luminaires – Part 2 : Particular requirements - Luminaires for emergency lighting

### 22.1 Scope

This section of IEC 60598-2 specifies requirements for emergency lighting luminaires for use with electrical light sources on emergency power supplies not exceeding 1 000 V.

This section does not cover "explosion-proof" luminaires for emergency lighting (see IEC 60079) and does not cover the effects of non-emergency voltage reductions on luminaires incorporating high-pressure discharge lamps.

This section also includes relevant requirements and tests that shall be conducted and complied with for control gears, as specified in IEC 60924, that incorporate additional facilities such as remote control devices, indicators, changeover devices, etc.

#### 22.1.1 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of the ISO/IEC Directives. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of the ISO/IEC Directives are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

IEC 60073, *Basic and safety principles for man-machine interface, marking and identification – Coding principles for indication devices and actuators*

IEC 60079, *Electrical apparatus for explosive gas atmospheres*

IEC 60155, *Glow-starters for fluorescent lamps*

IEC 60285, *Alkaline secondary cells and batteries – Sealed nickel-cadmium cylindrical rechargeable single cells*

IEC 60364-5-56, *Electrical installations of buildings – Part 5: Selection and erection of electrical equipment – Chapter 56: Safety services*

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

IEC 60742, *Isolating transformers and safety isolating transformers – Requirements*

IEC 60896-2, *Stationery lead-acid batteries – General requirements and test methods – Part 2: Valve regulated types*

IEC 60924, *D.C. supplied electronic ballasts for tubular fluorescent lamps – General and safety requirements*