

BS 5266-1:2016



BSI Standards Publication

Emergency lighting –

Part 1: Code of practice for the emergency lighting of premises

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Contents

Foreword *iv*

Introduction *1*

1	Scope	2
2	Normative references	2
3	Terms and definitions	3
4	Consultation and records	5
4.1	Consultation	5
4.2	Supply of plans	6
4.3	Records	6
5	Illumination for emergency lighting conditions	6
5.1	General	7
5.2	Illumination for safe escape – Emergency escape lighting	7
5.3	Illumination for safety in the building – Emergency safety lighting	13
5.4	Illumination for continued activity – Standby lighting	14
6	Emergency lighting design	14
6.1	System integrity	14
6.2	Failure of individual normal lamp	14
6.3	Failure of emergency lighting luminaire	15
6.4	Mounting height of luminaires	15
6.5	Spacing between luminaires	15
6.6	Classification of operation of emergency lighting systems	15
6.7	Choice of appropriate emergency lighting systems	15
7	Power supplies and equipment	16
7.1	Power supplies	16
7.2	Battery supplied systems	16
7.3	Generators	17
7.4	Lamps and luminaires for emergency lighting	17
8	Wiring systems and circuits	17
8.1	Wiring for self-contained systems	17
8.2	Wiring for central power supply systems	18
8.3	Wiring circuits	22
8.4	Electromagnetic compatibility	23
9	Application of emergency escape and safety lighting for typical premises	23
9.1	General	23
9.2	Premises used as sleeping accommodation	23
9.3	Non-residential premises used for treatment or care	23
9.4	Non-residential premises used for recreation	24
9.5	Non-residential premises used for teaching, training and research, and offices	24
9.6	Non-residential public premises	25
9.7	Industrial premises used for manufacture, processing or storage of products	25
9.8	Multiple use of premises	25
9.9	Common access routes within blocks of flats or maisonettes	25
9.10	Covered car parks	25
9.11	Sports stadia	25
10	Emergency lighting design procedure	26
10.1	General	26
10.2	Determine requirements	26
10.3	Design of illuminance	26
10.4	Design of system	27

10.5	Design of circuit protection and controls	27
10.6	Installation, operating and commissioning instructions	28
10.7	Handover	28
11	Certificates and log book	28
12	Routine inspections and tests	29
13	Servicing and repair of emergency lighting systems	30
13.1	Actions to be taken by the responsible person	30
13.2	Action to be taken by the competent person to repair luminaires	30
13.3	Servicing of specialist components	31
13.4	Emergency lighting system service spares	31

Annexes

Annex A (informative)	Summary of standards covering emergency lighting	32
Annex B (informative)	Developments in emergency lighting application and technology	33
Annex C (informative)	Guidance on the application of emergency lighting systems	34
Annex D (informative)	Measuring illuminance of emergency lighting	35
Annex E (informative)	Typical illuminance for specific locations	37
Annex F (informative)	Emergency lighting classifications	40
Annex G (informative)	Guidance on illuminance measurements and calculations	41
Annex H (informative)	Model completion certificate	43
Annex I (informative)	Model certificate for completion of small new installations	49
Annex J (informative)	Emergency lighting log book	52
Annex K (informative)	Model certificate for verification of existing installations	54
Annex L (informative)	Additional guidance on the compliance checklist and report for an existing site	57
Annex M (informative)	Model periodic inspection and test certificate	59
Bibliography		62

List of figures

Figure 1	Types of emergency lighting	1
Figure 2	Example of rooms requiring emergency lighting	9
Figure A.1	Summary of standards covering emergency lighting	32
Figure G.1	Conventional escape route where the floor is the working plane	42
Figure G.2	Cooking stove where the surface of the stove is the working plane	42
Figure G.3	Fire panel needing to be read on the vertical plane	42
Figure H.1	Model completion certificate – General declaration	43
Figure H.2	Model completion certificate – Design – Declaration of conformity	44
Figure H.3	Model completion certificate – Installation – Declaration of conformity	46
Figure H.4	Model completion certificate – Verification – Declaration of conformity	47
Figure I.1	Model certificate for completion of small new installations – General declaration	49
Figure I.2	Model certificate for completion of small new installations – Declaration of conformity	50
Figure K.1	Model certificate for completion of existing installations – General declaration	54
Figure K.2	Model certificate for verification of existing installations – Checklist and report	55
Figure M.1	Model emergency lighting inspection and test certificate	59

Figure M.2 – Model emergency lighting inspection and test record 60

Figure M.3 – Model emergency lighting fault action record 61

List of tables

Table E.1 – Typical illuminance for specific locations 39

Summary of pages

This document comprises a front cover, an inside front cover, pages i to vi, pages 1 to 64, an inside back cover and a back cover.

Foreword

Publishing information

This part of BS 5266 is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 May 2016. It was prepared by Subcommittee EL/1/1, *Emergency lighting*, under the authority of Technical Committee EL/1, *Light and lighting applications*. A list of organizations represented on these committees can be obtained on request to their secretary.

Supersession

This part of BS 5266 supersedes BS 5266-1:2011, which is withdrawn.

Relationship with other publications

This part of BS 5266 is intended for use in conjunction with BS EN 1838 and BS EN 50172.

BS EN 50172:2004, 4.1 specifies compliance with the wiring rules given in HD 384/HD 60364. The UK applicable parts of HD 384/HD 60364 are implemented in the IET Wiring Regulations (BS 7671).

BS 5266 is published in the following parts:

- Part 1: *Code of practice for the emergency lighting of premises;*
- Part 2: *Code of practice for electrical low mounted way guidance systems for emergency use;*
- Part 4: *Code of practice for design, installation, maintenance and use of optical fibre systems;*
- Part 5: *Specification for components parts of optical fibre systems;*
- Part 6: *Code of practice for non-electrical low mounted way guidance systems for emergency use – Photoluminescent systems;*
- Part 8: *Emergency escape lighting systems (also numbered BS EN 50172).*

The following topics are covered in BS EN 50172 and BS EN 1838:

- general requirements for emergency escape lighting;
- escape route lighting;
- open area (anti-panic) lighting;
- high risk task area lighting;
- standby lighting.

Detailed guidance on fire risk assessments is given in PAS 79, in a series of guides published by the Department for Communities and Local Government [1–11], and in guidance published by the Justice Department of the Scottish Government [12–21].

Guidance on risk assessments for health and safety is given in HSE publication INDG 163 [22].

A summary of the hierarchy of standards covering the different aspects of emergency lighting systems is given in Annex A.

Information about this document

This is a full revision of the standard. The principal change introduced is an expansion of the scope to cover emergency safety lighting and standby lighting, as well as emergency escape lighting.

The aim of this standard is to promote wider understanding of the different types of emergency lighting system which may be employed, and to give guidance on their correct application to the varied requirements of different categories of premises.

The recommendations given in this standard have been drawn up to encourage uniformity of application, based on providing adequate safety to people in the event of interruption of the normal lighting, and having due regard to the hazard level and degree of familiarity of occupants with particular premises. The standard recognizes that, in addition to ensuring safe unobstructed means of escape from the premises at all times, an important function of emergency lighting is to make possible the immediate location and operation of fire alarm call points and fire-fighting equipment, and another is to minimize the chance of panic arising in enclosed spaces, such as lifts. Although the standard makes recommendations for the provision of emergency lighting in a wide variety of premises, the fact that particular types of premises are mentioned in Clause 9 does not necessarily mean that all such premises are required by law to have emergency lighting installed. For certain types of premises, the provisions of this standard might be supplemented or replaced by alternative requirements at the discretion of the enforcing authority.

Use of this document

As a code of practice, this part of BS 5266 takes the form of guidance and recommendations. It should not be quoted as if it were a specification and particular care should be taken to ensure that claims of compliance are not misleading.

Any user claiming compliance with this part of BS 5266 is expected to be able to justify any course of action that deviates from its recommendations.

BSI permits the reproduction by individual users of BS 5266-1:2016, Figures H.1, H.2, H.3, H.4, I.1, I.2, K.1, K.2, M.1, M.2 and M.3. This reproduction is only permitted where it is necessary for the user to use the sample certificates given in the figures during each application of the standard.

Presentational conventions

The provisions in this standard are presented in roman (i.e. upright) type. Its recommendations are expressed in sentences in which the principal auxiliary verb is "should".

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Where words have alternative spellings, the preferred spelling of the Shorter Oxford English Dictionary is used (e.g. "organization" rather than "organisation").

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

Particular attention is drawn to legal requirements in respect of emergency lighting. Further guidance is given in the Building Regulations 2010, Approved Document B [23] and its equivalents in Wales [24], Scotland [25] and Northern Ireland [26].

Introduction

UK legislation imposes a duty on persons, including employers and other persons with control of premises, to carry out risk assessments and to take such precautions as to ensure as far as reasonably practicable the safety of the occupants. These measures include the provision of safe means of escape, including emergency escape routes and exits, together with, where necessary, signs indicating them. Legislation also states that suitable and sufficient emergency lighting needs are to be provided, where people are particularly exposed to danger, in the event of failure of the supply to the normal lighting.

There is increasing recognition of the application of emergency lighting to assist the safety of occupants who stay in a building during a mains supply failure. In many instances, particularly in places with frequently occurring power cuts, it might not be necessary or appropriate to evacuate the premises in the event of failure of the supply to the normal lighting, but precautions need to be taken to enable occupants to remain on the premises in safety. This revised edition of the standard covers the use of emergency lighting in premises that are not evacuated immediately, as well as conventional emergency escape lighting. Some guidance on new developments in emergency lighting application and technology is given in Annex B.

Emergency lighting can perform the following functions, some of which can be combined into a single system:

- emergency escape lighting, which provides illumination of escape routes, signs and points of emphasis to assist occupants to evacuate the premises;
- emergency safety lighting, which provides lighting for safe movement in the premises when the occupants need not evacuate the premises immediately;
- standby lighting, powered by an alternative power supply, which provides sufficient lighting to operate the premises normally in the event of a total failure of the main power supply.

The different types of emergency lighting are illustrated in Figure 1. Guidance on the application of emergency lighting systems is given in Annex C.

Figure 1 Types of emergency lighting

