

EMERGENCY LIGHTING SYSTEMS

Scope

The purpose of emergency lighting, anti-panic lighting and standby lighting is to ensure that the main fire exit routes from a building or open and high risk areas are sufficiently lit in the case of a mains failure, in order to allow persons to safely evacuate the areas or premises. Manual fire alarm points, first aid points, fire fighting and safety equipment should also be clearly lit, so that it can be clearly identified.

Typically the equipment used would include self-contained emergency lighting units, centrally powered emergency light - slave units, various fire exit guidance signs, battery powered light fitting which are part of the overall lighting system for the premises.

Regulation:

- Electricity at Work Regulations, Statutory Instrument 1989 No. 635

The main standards are:

- BS 5266-1: 2005 Emergency Lighting – Code of Practice for emergency lighting premises
- BS EN 1838:1999 (also numbered BS 5266-7:1999) Lighting applications – Emergency Lighting
- BS EN 50171 Central power supply systems
- BS EN 50172:2004 (also numbered BS 5266-8:2004) Emergency escape lighting systems

Other relevant standards and codes of practice are as follows:

- BS 7671 Requirements for electrical installations. IEE Wiring Regulations.
- BS 7629-1 Specification for 300/500 V fire resistant electrical cables having low emission of smoke and corrosive gases when affected by fire – Part 1: Multicore cables.
- BS 7629-2 Specification for 300/500 V fire resistant electrical cables having low emission of smoke and corrosive gases when affected by fire – Part 2: Multipair cables.
- BS EN 60702-1 Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V – Part 2: Terminations.

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- BS EN 60598-2-22:1999 Luminaires – Part 2: Particular requirements – Section 2-22: Luminaires for emergency lighting.
- BS 7846 Electric cables 600/1,000 V armoured fire-resistant cables having thermosetting insulation and low emission of smoke and corrosive gases when affected by fire.
- CIBSE, LG12 SLL Lighting Guide 12: Emergency Lighting Design Guide.
- Carbon Trust, ILG008 Installers' Guide to Emergency Lighting.
- NHS Estates, Health Alarm and Detection Systems Technical Memorandum 82

The above standards are available to Members at preferential rates through the **Membership Department** at membership@eca.co.uk.

The listing above is not exhaustive. It is important to consult the reference sections of the above documents where a greater listing of associated documents may be found.

For further information and assistance Members can email enquiries@fireandsecurityassociation.co.uk or phone **0207 313 4888**.

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