



**IF YOU NEEDED
A PARACHUTE,
WOULD YOU BUY
THE CHEAPEST ONE
YOU COULD FIND?**

10

IMPORTANT things you should

- 1 Emergency lighting is a life safety system, designed to save lives and prevent serious injury.
- 2 To comply with the law, employers and building operators must provide sufficient, effective emergency lighting to enable safe evacuation.
- 3 If the emergency lighting fails to function, then it will have safety and legal implications. **Corporations and responsible individuals can be prosecuted if emergency lighting fails to function effectively.**
- 4 For emergency lighting to be legally compliant, it must be adequate. Minimum performance levels must be achieved, emergency lighting schemes cannot be correctly planned or assessed without accurate performance details for the specific emergency luminaires to be used.
- 5 The law demands that emergency lights are regularly tested and kept in good working order. Components such as batteries and lamps have a finite life. With cheaper luminaires the life of these items is often shorter.



know about emergency lighting...

- 6** Self test fittings are now available which test themselves and alert the building operator when maintenance work is required. This saves the labour cost of manual testing and helps to keep emergency lighting functional and therefore legally compliant.
- 7** By using higher quality, higher performance luminaires, required lighting levels can be met using fewer fittings, this reduces the total cost of the fittings and reduces the installation costs as well.
- 8** If a product is kitemarked you can be confident that a product is safe, built from good quality components and that accurate photometric data is available. Random audits are carried out to ensure consistent high quality.
- 9** If a product is ICEL approved then all spacing data claims will be checked and verified by an independent third party and published in a simple clear format. Without this independent verification, how do you know that spacing claims are correct.
- 10** All self contained emergency lights require a constant mains supply and constantly consume energy. The use of high performance fittings means that fewer fittings will be required, resulting in significant energy savings.

See inside for full details.



COOPER





Emergency lighting is provided to save lives and prevent injury in an emergency, by illuminating escape routes, providing sufficient illumination for dangerous processes to be completed (including everyday tasks such as stopping moving forklift trucks) and to illuminate key locations such as first aid points.

Everybody these days is under pressure to save money but before buying low cost emergency lights, consider the following:

Why should installers and building owners care about performance?

Legislation such as the workplace directive, places a legal duty on building owners to demonstrate that they have taken all reasonable precautions to protect the safety of building users.

The legal requirement is to provide emergency lighting which is of adequate performance. It is not sufficient to simply fit a number of emergency luminaires without ensuring that the combined performance of the units results in adequate emergency lighting. EN1838 the design standard for emergency lighting defines strict requirements for minimum illumination levels for various areas and applications during emergency conditions. If building owners fail to achieve the required levels of emergency lighting, they face prosecution and potential litigation resulting from workplace accidents and incidents. It may also affect the validity of the building operators insurance cover.

Although the legislation places the responsibility on building owners and users, they in turn may well take action against suppliers who supply or install sub standard safety equipment that fails to operate correctly when required.

Do I know how well a particular product will perform in an emergency situation?

Many low cost emergency luminaires are supplied from distant sources and will pass through various intermediaries on their route to market. The original manufacturers may be unaware of where products will finally be installed and cannot be expected to know or adhere to the technical and legislative requirements applicable to the final marketplace. At any point in the supply chain, claims made by suppliers are open to embellishment, and may be subject to human error or misinterpretation so cannot be relied upon as accurate unless verified by an independent third party such as the ICEL approval scheme.



BRITELITE

- BSI Kitemarked
- ICEL approved
- Superb spacing performance
- Simple plug in installation
- Available as a self test product





SAFE EDGE

- BSI Kitemarked
- ICEL approved
- Wall or ceiling mounted
- Available as a self test product

How can I be sure I am buying a quality product?

There are stringent European product standards that cover the design and manufacture of emergency luminaires (e.g. EN60598-1 & EN60598-2-22)

Independent testing organisations such as the British Standards Institute (BSI) carry out thorough testing of products, and when successfully completed, allow the Kitemark symbol to be applied to the product as evidence that the product is safe and fit for purpose. The Kitemark can only be applied to products which have been manufactured in a facility where the quality control measures have been independently tested and approved in order to ensure that the products are of consistent high quality identical to the sample which was tested.

When buying life safety products such as emergency lighting, insist on proof that the product is fit for purpose - demand a BSI Kitemark or other similar evidence.

Does the Kitemark guarantee the emergency lighting will perform correctly?

The BSI Kitemark on a product shows that the product has been correctly designed and manufactured and can therefore be expected to provide reliable operation and the best possible life from the individual components.

However, it does not verify that performance claims made by a supplier are accurate. Even a manufacturer of the highest reputation is capable of making genuine mistakes, with an unscrupulous or inexperienced supplier the potential for inaccurate performance claims is much higher.

How can I protect my customer and my reputation?

ICEL the emergency lighting industry trade association provides a product auditing and approval scheme. To be included in the scheme a luminaire has to carry the BSI Kitemark before it can even be submitted for consideration. ICEL then checks the performance claims of the luminaire supplier to ensure that they are correct.

ICEL also carries out various checks on both the product and on the supplier of the product and if these are successful, the emergency luminaire is then awarded ICEL approved status, and given an ICEL registration number. If a luminaire is ICEL approved you can be confident that the product is fit for purpose and performance claims made by the luminaire supplier are accurate.

If ICEL approved luminaires are installed at the correct locations according to ICEL verified spacing data and design guides, the resulting installation can be expected and demonstrated to be adequate to ensure the safety of building users and to protect against possible legal action.

What if an emergency luminaire is not ICEL approved?

If a luminaire is not ICEL approved then it may well still be fit for purpose, however building owners and their suppliers may then have to find a way to demonstrate compliance with their duty of care should tragedy or even a minor accident occur.



ATLANTIC

- BSI Kitemarked
- ICEL approved
- High performance
- IP65
- Vandal resistant
- Simple plug in installation
- Available as a self test product



Do emergency luminaires last for ever?

No, emergency luminaires have components such as lamps and batteries which have a finite life. Self contained luminaires have integral batteries which are continuously charged and operated at elevated ambient temperatures. Often low cost luminaires will utilise lower quality components resulting in shorter working lives and higher maintenance costs.

Both the workplace directive and the safety signs directive define a legal duty for building operators to not only install and regularly test emergency lighting installations but also to ensure that they are maintained in full working order. With low cost emergency luminaires, failures are often more common and sourcing of spare parts is often more difficult.

Emergency luminaires can incorporate self test circuitry to carry out full automatic testing of the product. The use of self testing luminaires eliminates the need for manual testing which saves labour cost and helps to prove that the emergency lighting equipment is correctly maintained and fully functional.

Can higher quality luminaires save money?

Yes. Well designed high quality emergency luminaires usually offer better spacing performance meaning that less emergency luminaires are required for a particular application than when using low cost, low performance units. Less luminaires also means lower installation costs as there are fewer points to install, and in addition, higher quality luminaires often have installation time saving features such as plug in connections and easy assembly.

What about running costs?

All self contained emergency luminaires (even non maintained types) require a constant unswitched mains supply to maintain the rechargeable standby battery in a fully charged state. By using a lesser quantity of higher performing emergency luminaires, significant savings in running costs can be achieved.



WAYLITE 800

- BSI Kitemarked
- ICEL approved
- Exit sign that also provides escape route illumination
- Available as a self test product

What about Environmental impact?

Reduced electricity costs lessen the environmental impact of emergency lighting, and furthermore, if high performance emergency luminaires are installed, the reduced number of luminaires means less lamps and batteries that have to be disposed of at the end of their working life.

What can Cooper Lighting and Security do to help you?

As an ICEL member, Cooper Lighting and Security offers a wide range of ICEL registered products such as Britelite, Vistral and Atlantic, which are competitively priced, easy to install and offer excellent performance. Our technical support department is on hand to guide you through the emergency lighting design process and our service department is able to offer a full commissioning and ongoing maintenance service if required. In addition a team of experienced technical sales engineers are able to visit site and provide assistance where necessary.



NEW SAFE 8

- BSI Kitemarked
- ICEL approved
- IP65
- Available as a self test product



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