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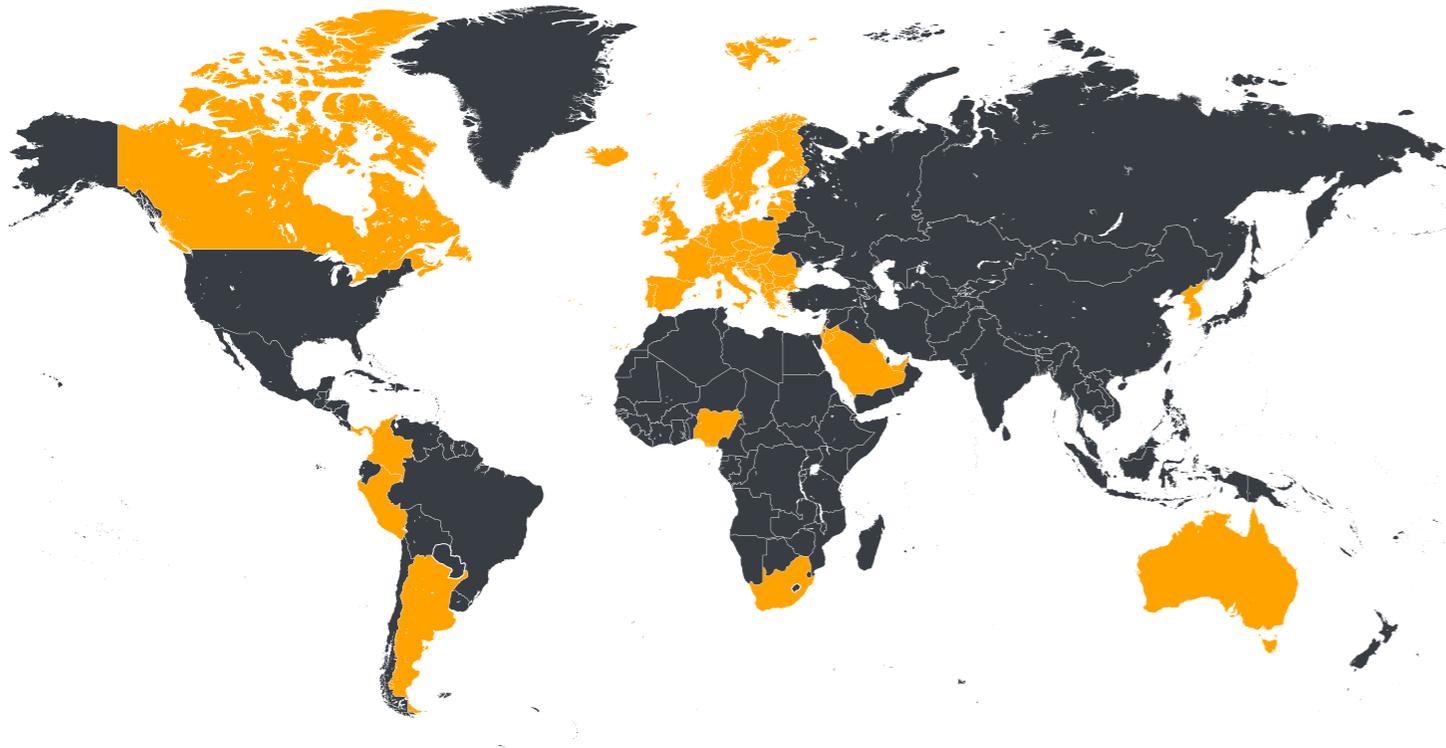
**Manufacturing the World's  
Emergency Lighting Components**

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**[luxbox.co.uk](http://luxbox.co.uk)**

# Where we supply

From our manufacturing facilities in UK and Switzerland, we can supply to countries across the world.



 Countries we supply



**UK manufactured**



**Using the best components**



**Developing and integrating the latest technology**



**Fully compliant to all appropriate standards**



**5 year standard warranty on electronics**





Luxbox's experience encompasses product design, development and manufacture of emergency lighting components and kits since 1973.

All of our circuit boards, microelectronics and circuit assembly is done in our own fully automated Swiss facility, guaranteeing precision and quality.

Our UK facility is the home for the production of Luxbox products, and can also assemble components as Emergency Lighting Kits and Luminaire Conversions. Once assembled, each product is individually tested.

Having full control of the development and manufacture in the UK and Europe gives our clients flexibility on bespoke and standard solutions. We can react quickly to your needs whether this is software or hardware based. We are able to quickly deliver small or large amounts circuit boards or conversion kits.

We have an unrivalled range of emergency conversion kits, including LED, fluorescent and high output variants. We also offer a range of accessories that work alongside our conversion kits. For your convenience, we've included details of a small selection of our range within this brochure. Please get in touch for more information.

### LELT – LED Emergency Modules

- Self-contained emergency lighting driver for LED luminaires and LED applications
- Three power options to cover numerous applications 2, 3 and 5 watt
- Three voltage ranges available to cover LED module forward voltages between 12V and 220V
- Compact polycarbonate housing for usage in protection class I and II luminaires (L 177 x W 30 x H 21.5 mm)
- Available in Basic, Self-Test and DALI operation
- LiFePO<sub>4</sub> Battery configurations



### LELK – LED Emergency Modules

- Built in self-contained emergency lighting driver for LED luminaires and LED applications
- Three voltage ranges available to cover LED module forward voltages between 10V and 220V
- Compact metal housing for usage in protection class I luminaires (L 150 x W 30.2 x H 22.1 mm) or suitable for protection class II luminaires by integration in a separate metal housing outside the luminaire (housing upon request)
- Available in 2 or 3 watt with Basic or Self-Test operation
- LiFePO<sub>4</sub> Battery configurations



### LEHH – High Power LED Emergency Modules

- Built in self-contained emergency lighting driver for high power LED luminaires and LED applications
- Three voltage ranges available to cover LED module forward voltages between 10V and 220V
- Compact metal housing for usage in protection class I luminaires (L 180 x W 40 x H 28 mm)
- Wide range of wattages available 3-20 watt
- Available in Basic, Self-Test and Dali operation
- LiFePO<sub>4</sub> Battery configurations.



Get in touch with our technical team on **03300 539 339** to discuss your requirements.

## Combined mains and emergency drivers

Ideal for maintained exit signs, bulkhead luminaires and downlights, these combined mains and emergency modules offer a compact solution where space or cost are at a premium.

### LENC - LEOC LED Emergency Modules

**SELV High efficiency electronic emergency lighting driver, suitable for Power-LED applications in non-maintained and maintained operation.**

- For independent or built in applications
- Each emergency lighting driver in the range is designed to drive an LED downlight or luminaire to emergency operation
- LiFePO<sub>4</sub> Batteries provide emergency power to the connected LED light source
- Available in Basic, Self-Test and DALI operation
- LiFePO<sub>4</sub> Battery configurations



### LEQX Combined LED Drivers - Built in Battery

- 20 watt combined LED emergency driver with corridor function
- 0.75 watt power in emergency operation
- Integrated LiFePO<sub>4</sub> battery on-board with option to add a further cell
- 350/470/700mA mains operation output selectable via jumper
- LED voltage range 8V to 45V
- Available in Basic and Self-Test operation.



## Batteries for emergency lighting

Luxbox high-temperature batteries have been specifically selected and tested for use with self-contained emergency lighting. Alongside the latest LiFePO<sub>4</sub> technology, we can also supply NiCd batteries. All popular formats and capacities are available.

### LiFePO<sub>4</sub>

Lithium iron phosphate batteries offer an operational life up to double that of NiCd and NiMH batteries. They also save energy. Due to the extremely low self-discharge rate, power consumption under standby conditions is reduced by up to 70%.

Cells	Technical	Range
1 cell	3.2V 1.5Ah	18650
2 cell	3.2V 3Ah	18650
3 cell	3.2V 4.5Ah	18650
2 cell	3.2V 6.8Ah	26650
4 cell	3.2V 13.6Ah	26650



Basic



Self-Test + DALI



Luxbox remote emergency boxes for LED Panels, Downlights and other applications are an effective solution for converting mains luminaires to emergency lighting operations. With the miniaturisation of luminaires, Luxbox remote boxes and packs ensure consistency of your lighting scheme with guaranteed reliability and 100% compliance.

### LXR2



**MADE IN  
BRITAIN**

### BESPOKE REMOTE BOXES

The new LXR2 modular remote pack covers all applications and as part of our OEM range of products, we are able to manufacture with your branding and identity.

Designed in house utilising the LELT, LELY or LENY & LEMY modules. It can house 1865 or 2665 batteries. Batteries attach to either side.

- 1x Battery compartment = 3W
- 2x Battery compartments = 7W
- Battery compartments detach to go through 40mm cut out
- The perfect product for recessed Downlights and 600mm Panels
- Two power options 3 and 7 watt
- Three voltage ranges available 55V, 105V and 220V
- Available in Basic, Self-Test, DALI or Wireless Mesh operation
- LiFePO<sub>4</sub> Battery configurations

Simply call our **expert team** on **03300 539 339** to discuss your requirements.

When conversion of mains luminaires isn't practical or appropriate, standalone solutions are the answer.

### LXDS



- Self-contained emergency luminaire with integrated battery, status indicator LED and connected emergency lighting driver
- Dual LED luminaire
- Available in non-maintained and maintained mode of operation
- Open area or corridor option
- Available in basic, Self-Test and DALI
- LiFePO<sub>4</sub> Battery.



### SINGLE POINT DOWNLIGHTS

Luxbox LXD emergency downlights offer the perfect blend of price and quality. They're the ideal solution for escape routes and open areas in commercial, industrial and public spaces where unobtrusive emergency lighting is required.

LXD consists of an LED lamphead with integrated battery, status indicator LED and electronics to operate the single LED in maintained or non-maintained mode. Optically efficient lenses ensure optimum performance for corridor or open area applications. As part of our OEM range of products, these can be manufactured under your branding and specification.

- Self-contained downlight emergency luminaire
- Single LED luminaire with integrated battery, status display LED and connected emergency lighting driver
- Polycarbonate case for protection class II
- Available with white or black fascias
- Available in 3 watt maintained or non-maintained mode of operation
- Open area or corridor option
- Available in Basic, Self-Test, DALI and Wireless Mesh operation
- LiFePO<sub>4</sub> Battery

Call our  
**expert team**  
on **03300  
539 339** to  
discuss your  
requirements.



### EXIT SIGNS

Our range of Exit Signs enable you to cover every type of application from architectural, retail and hospitality to commercial and industrial installations.

- Available in Basic, Self-Test, Dali and Wireless Mesh operation
- Various housing options available including: Surface mount, suspended, wall mount and recessed
- LiFePO<sub>4</sub> Battery
- Non-Maintained or Maintained operation.

#### LXE-S - SURFACE CEILING MOUNT



#### LXE-A - WALL/CEILING MOUNT



#### LXE-B - BLADE CEILING MOUNT



#### LXE-W - WEDGE CEILING MOUNT





**LXC/DALI Central Supervision Unit, complete with touch screen display and password controlled access, for local indication and management of the emergency lighting systems.**

Capable of monitoring and controlling up to 128 wired units across two DALI buses, incorporating luminaires and signs and significantly reducing infrastructure and installation costs for the end user.

The LXC/DALI is configured to carry out a weekly functional test and a quarterly full duration test, far exceeding the requirements of BS EN 50172. It stores test results for up to four years, allowing the end user immediate access to test reports to ensure and provide emergency lighting compliance.

- Optional Touch-screen display
- Monitor and control up to 128 wired emergency lighting luminaires
- Test of individual or groups of emergency lighting luminaires
- Fault Identification and location of individual emergency lighting luminaire
- Evacuation On override

### INDICATOR LEDS

Choosing the correct LED to indicate the status of emergency lighting is an important, but often overlooked, part of the product selection process. With a wide range of options to choose from, our expert team can help you select the best option for your application.

- High intensity
- Diffused
- Bi-colour
- Wire length.

### LED BEZEL

- A convenient method of installing the LED indicator adjacent to the fitting.

### OTHER ACCESSORIES:

- Battery endcaps
- Battery extension wires
- LED extension wires
- Remote gear enclosures
- Brackets and clips.
- LED Arrays
- Bespoke products

Call our **expert team** on **03300 539 339** to discuss your requirements.

As well as being experts in the manufacture of emergency lighting components, we offer a range of complementary services.



### Bespoke emergency conversion modules

Thanks to our microprocessor-controlled technology, we can also make bespoke variants to your specification. Whether you need extra autonomy or an unusual voltage, with our microprocessor technology, we can tailor make to your specification.

### Our conversion service

Aimed at lighting specialists and OEM manufacturers, our conversion service takes the worry out of compliance and the hassle out of assembly. The skill and experience of our conversion team ensures that all conversions are carried out correctly and efficiently in accordance with our ISO9001 quality system. Thermal, electrical and EMC testing ensure compliance and reliability.

Conversions carried out by Luxbox meet all relevant quality standards including EN60598-1 and EN60598-2.22. All products and conversions are tested during manufacture and/or prior to despatch, so you can be confident that everything will work exactly as it should.

### ODM (Original Design Manufacturer)

Whether it's electronics or a full luminaire design, we can take care of all your emergency lighting requirements. From addressable systems to bulkheads and exit signs, Luxbox can help design and manufacture to your specification.

**Please speak to a member of our expert team on 03300 539 339 to find out more about how we can help**



 Follow Luxbox on LinkedIn to keep up to date with our latest products in development.

**We are here to help.**  
**Our UK dedicated sales and technical support teams are ready to answer any questions, please get in touch**

 **03300 539 339**

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# LUXBOX

LIGHTING TECHNOLOGY

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BS EN 60598-2-22



FS 713101



EMS 713100



LIGHTING  
ASSOCIATION  
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