



**SPECIALISTS IN EMERGENCY LIGHTING  
& CENTRAL POWER SYSTEMS**



**PRODUCT CATALOGUE**

**2025**

# ABOUT US...



## Providing light at times of emergency since 1968

When you are considering your emergency lighting and back-up power requirements, you need to be sure you are in safe hands. The responsibility of operating a building or facility with public access can be wearing at times. You need the reassurance that in the event of an emergency the proactive steps you have taken to mitigate risk are backed-up by equipment you can trust. As an established and dedicated supplier and manufacturer of emergency lighting and power systems, BLE can offer you over 56 years of experience.

At BLE, we're passionate about delivering high quality products and services tailored to your needs. Our team boasts extensive technical know-how and stays up-to-date on industry and legislative standards, ensuring we provide fully compliant solutions for projects of all sizes. Plus, our speedy service won't keep you waiting! With next-day delivery to UK Mainland and a large inventory, we've got you covered when you need it most. Our products are meticulously designed, manufactured, and tested according to the highest standards, allowing you to purchase with confidence and stay in line with the latest regulations.

### Quality

Here at BLE Lighting & Power Ltd, we know that sustaining a robust Quality Management System in all our operations is vital to our accomplishments and reputation. We are devoted to delivering a service that meets and exceeds your needs and expectations. To uphold this dedication, we have implemented a documented Management System that aligns with the standards of BS EN ISO 9001: 2015.

*Our products are meticulously designed, manufactured, and tested according to the highest standards.*



## Technical Expertise

Drawing on a solid foundation of over 56 years in the industry, BLE Lighting & Power Ltd brings you unparalleled expertise in emergency lighting standards. Our mission is to help you navigate and meet all legal requirements, while also simplifying your life by equipping you with high quality safety systems. In today's world, as focus intensifies on functional safety equipment and smooth building evacuations, we stand out from the competition by meticulously addressing the finer points and offering an extensive array of emergency lighting solutions. At BLE, we're not just another supplier – we're your trusted partner in ensuring safety and ease during emergencies.

## Service

At BLE Lighting & Power, we are committed to delivering exceptional customer service. Our experienced and dedicated team ensures that you receive the support you need, every step of the way. Operating from our Sheffield-based premises and warehouse, we prioritise stock availability, with next-day delivery available on a large portion of our range. We pride ourselves on offering premium service, from product design to delivery, with after-sales support that we believe is unmatched in the industry. With many of our team members having over 25 years of experience, BLE provides you with everything you need - and a little more besides!

## Accreditations

At BLE Lighting & Power Ltd, our unwavering commitment to excellence and continuous improvement is exemplified by our ISO 9001 and ISO 14001 accreditations. The ISO 9001 certification reflects our dedication to maintaining the highest standards of quality management across all aspects of our business. This ensures that every product and service we deliver not only meets but often exceeds customer expectations, providing reliable and innovative solutions tailored to their needs.

Complementing this, our ISO 14001 accreditation underscores our proactive approach to environmental responsibility. It demonstrates our structured efforts to identify and minimise our environmental impact, improve resource efficiency, and implement sustainable practices throughout our operations. Together, these internationally recognised certifications embody our ethos of delivering dependable life safety solutions while fostering a sustainable future. At BLE, we are proud to combine quality and environmental stewardship as a cornerstone of our mission to protect people, property, and the planet.



## LIFE SAFETY - OUR HAPPY PURPOSE

Our mission is simple yet vital: to protect lives through the provision of life-saving emergency lighting and back-up power solutions.

With over 56 years of experience, we are dedicated to delivering reliable, innovative products designed to ensure safety during critical moments. Every product we manufacture, and supply is a testament to our unwavering commitment to life safety.

Explore our range and join us in safeguarding lives with dependable emergency lighting systems.





# FULL TURNKEY SOLUTION

BLE is able to utilise our 56 years industry experience and vast in-depth knowledge of the emergency lighting industry standards to advise, support and guide our clients, ensuring they have high quality systems and products in place in case of an emergency situation.

With the increased focus on safety equipment functionality and the importance of being able to evacuate buildings safely, we aim to make your life easier and assist you in ensuring you and your clients meet all current legislation for emergency lighting. It is this attention to the finer details coupled with such a wide offering of emergency lighting solutions which helps differentiate us from other emergency lighting suppliers.

With the possible consequences for failing to adhere to legislation for emergency lighting ranging from financial damages, to loss of credibility through to the most serious issue of potential fatalities, let BLE help you to avoid falling short of the necessary requirements.

Countless sectors rely on BLE for dependable emergency lighting and back-up power solutions. Our extensive experience covers a wide range of industries, including:

- Airports
- Educational Buildings
- Councils and Local Authorities
- Care Homes
- Rail Infrastructure
- Sports and Leisure
- Retail and Hospitality
- NHS Trusts and Healthcare Facilities
- Industrial and Factories
- Commercial and Offices

*Our adaptable product line-up caters to the unique requirements of each customer and project.*



## WE OFFER A FULL TURNKEY SOLUTION

**BLE Lighting offer a range of Technical Services which include:**

Product design and manufacture

Technical assistance in emergency lighting system design

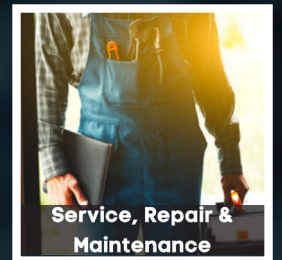
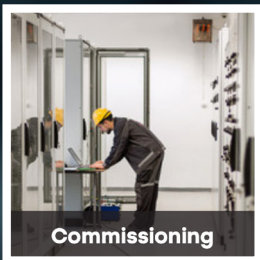
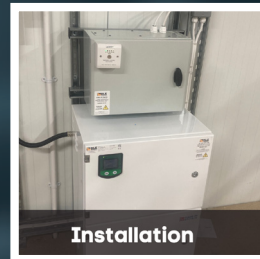
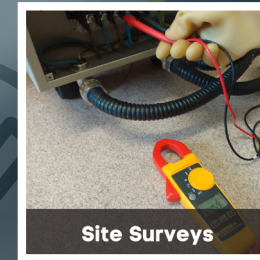
Delivery to site of emergency systems

Battery build and installations of all types of central emergency lighting systems

Repair of central back-up power systems

Site survey of equipment

Annual service of emergency lighting systems





## MADE IN BRITAIN

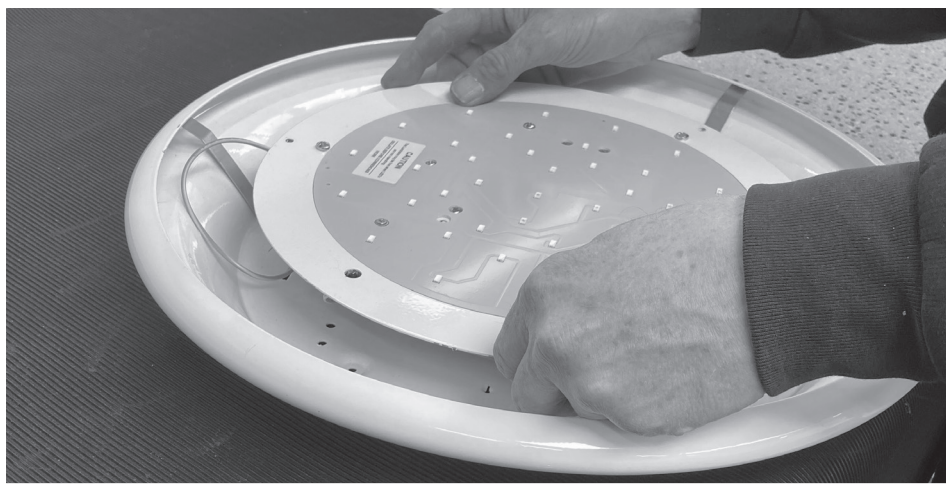


Located in Sheffield, our production facility is where we proudly design and manufacture a wide range of premium quality, British-made products. Our offerings include Emergency Lighting, Inverters, Central Battery Units, and the innovative BLE Connect - our Fully Automated Emergency Lighting System. By sourcing many of our products and components from the UK, we are committed to supporting the local economy and creating jobs..

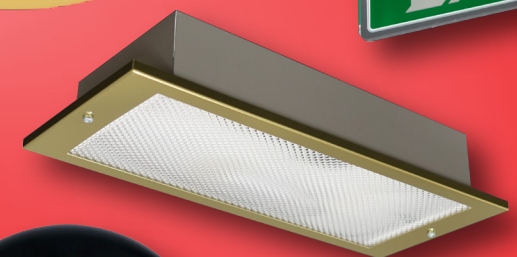
### Why Choose Made in Britain products?

- **Peace of mind** with a 10-year warranty from a trusted UK manufacturer
- **Quality assurance** - our products are designed, crafted, and tested to the highest standards
- **Modern technology** with the inclusion of LiFePO4 batteries
- **Convenient customer service** and reliable after-sales support
- **Support British jobs** and contribute to a thriving local economy
- **Lower your carbon footprint** with eco-friendly, locally produced products

Choose BLE for innovation, reliability, and sustainability - built right here in Britain.



ASK THE  
TEAM FOR  
MORE  
DETAILS



At BLE we pride ourselves on delivering high-quality lighting solutions that stand the test of time. That's why we're excited to launch our **reyt good 10 year warranty** on all our **Made in Britain** lighting products.



**BLE**  
LIGHTING & POWER



**MADE IN  
BRITAIN**





# Packaging Designed to Recycle, Product Made to Last

Here at BLE Lighting & Power we believe that by focusing on durable products and recyclable packaging, we can build consumer trust, reduce our environmental impact, and contribute to a more sustainable future. We implement strict quality control measures throughout the manufacturing process to ensure every product meets the highest standards. Investment in R&D to innovate new materials and designs that enhance product longevity is something we are always looking into. We keep packaging designs simple to make recycling easier by minimising the use of inks, adhesives, and coatings that can contaminate recycling streams. We don't include single use plastic.

## PRODUCT FEATURES:



WE USE LiFePO4 BATTERIES  
ACROSS OUR RANGE



MARKET LEADING  
WARRANTY



DESIGNED FOR EASE  
OF INSTALLATION



COMPLY WITH  
BS 5266-1

## PACKAGING FEATURES:



ENVIRONMENTAL  
COMPLIANCE



NO SINGLE USE PLASTIC  
IN OUR PACKAGING



WE USE RECYCLED  
CARDBOARD



NO PAPER INSTRUCTIONS  
- SCAN THE BOX



## HAVE YOU SEEN OUR POINT OF SALE SOLUTIONS?



**Our POS solutions are designed to:**

- **Attract Attention:** Eye-catching displays that highlight the key features and benefits of our products.
- **Educate Customers:** Catalogues and literature provide customers with essential information to make informed purchasing decisions.
- **Boost Sales:** Strategically positioned displays to maximise visibility and drive sales of our high-quality emergency lighting products.
- **Easy Integration:** Versatile POS options that seamlessly fit into your existing trade counter setup.



# SERVICE & MAINTENANCE PACKAGES



## Don't get left in the dark

A back-up power system exists to ensure a dependable power supply during unforeseen power outages. Consequently, it is crucial to conduct regular maintenance on the equipment to guarantee its efficient and ongoing operation.

At BLE, we've tailored two service and maintenance packages, designed with our customers in mind, allowing you to select the coverage that best fits your business requirements. By securing a BLE Service Contract, you can experience the confidence and reassurance that your system will perform optimally when it is needed most!

### SILVER COVER

Response Hours: 9am – 5pm  
Response Days: Monday to Friday  
(excluding Bank Holidays)

#### RESPONSE TIME: 48HRS

- Calls logged before 10am receive a 48 hour response
- All travel and labour costs included (excluding battery work)
- Inverter technical support service (office hours)
- One planned visit per annum to provide preventative maintenance and testing (during normal office hours)

### GOLD COVER

Response Hours: 7am – 7pm  
Response Days: Monday to Sunday

#### RESPONSE TIME: 24HRS

- Calls logged before 10am receive a next day response
- All travel and labour costs included (excluding battery work)
- Inverter technical support service (office hours)
- One planned visit per annum to provide preventative maintenance and testing (during normal office hours)
- Access to a weekend emergency call out number (out of hours)

All prices are available on request. We can also offer bespoke service and maintenance packages. Please contact us for full details.

## THE INNOVATIVE ePIM SYSTEM

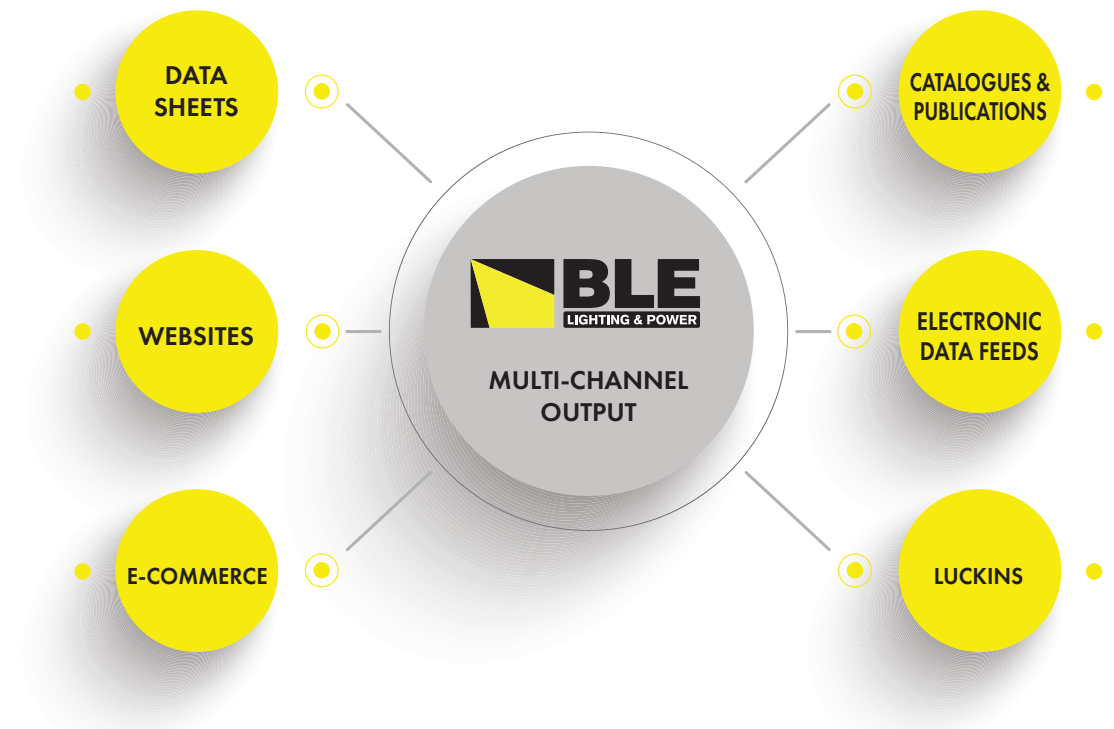
BLE Lighting & Power is a proud subscriber to the innovative ePIM System. This cutting edge platform is not only user friendly but also incredibly powerful, acting as a one-stop solution for organising, managing, and enriching product data in preparation for multi-channel distribution.



What sets ePIM apart is its ability to serve as a centralised source of truth for all our valuable data, easily accessible by various stakeholders such as Manufacturers, Wholesalers, Distributors, and Marketing & Data Teams. This helps streamline our processes and ensures that everyone is on the same page.

ePIM's advanced automation capabilities guarantee that our data sheets stay up-to-date at all times. This means that our partners and clients can rely on us for relevant and accurate information, ultimately enhancing their overall experience.

In short, our subscription to the ePIM System signifies a step towards increased efficiency and a more interconnected work environment for everyone involved in BLE Lighting & Power's operations.



**BLE is a proud subscriber to the innovative ePIM System.**

# PRODUCT SELECTOR

## EMERGENCY BULKHEADS, TWIN SPOTS & DOWNLIGHTS



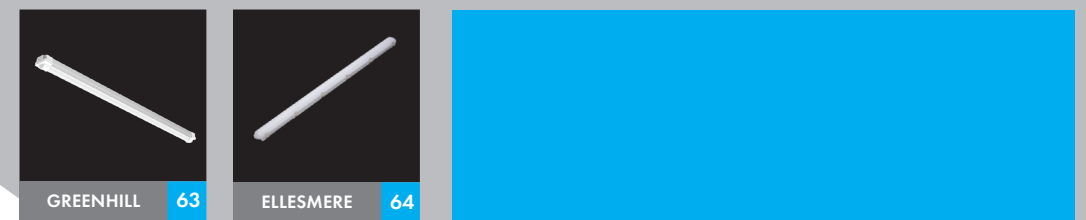
## ESCAPE ROUTE LIGHTING



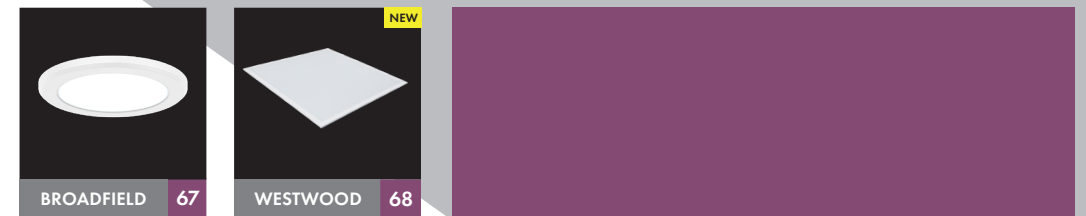
## AMENITY LIGHTING



## LINEAR FITTINGS



## COMMERCIAL LIGHTING



## EMERGENCY LIGHTING CONVERSION & CONTROL



## PRODUCT SELECTOR

### POWER SYSTEMS



STAVELEY 78



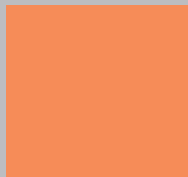
STANFORD 80



RENISHAW 82



HEATHCOTE 85



### BATTERIES & ACCESSORIES



SILVERWELL 87



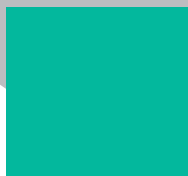
TAPTON 89



LINACRE 90



RINGWOOD 91



### POWER SYSTEM ACCESSORIES



THORPE 93



WHITECOTES 94



HILLTOP 96



NETHERTHORPE 97



### UPS



POOLSBROOK 100



POOLSBROOK 102



POOLSBROOK 104



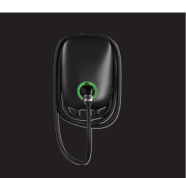
### ELECTRIC CAR CHARGERS



GRASSMOOR 107



HIGHFIELD 108



HIGHFIELD 109



## FREQUENTLY ASKED QUESTIONS...

### Do you need to fit an emergency light outside the final exit door of the building?

Yes, you need to provide illumination to the final point of assembly. You are required by building codes to install emergency lighting outside the final exit door of a building.

### Can an emergency light also be used as a normal light?

Yes, if the emergency light fitting has been installed as a maintained fitting. It will function as a normal light fitting and then switch to emergency operation if there is a mains power failure.

### Is emergency lighting needed in covered car parks?

Yes, covered car parks often have areas with limited natural light, and in the absence of regular lighting, these areas can become dangerous. The pedestrian escape routes from covered and multi-storey car parks should be provided with emergency lighting.

### What is pure sine wave?

A pure sine wave is a steady, continuous wave that provides a smooth, periodic oscillation. Pure sine wave inverters are at the top of the list of functionality, with the ability to run any and all equipment designed to work on a pure sine wave. All devices you power with a pure sine wave inverter will work to their full specifications.

### What is the purpose of battery impedance testing?

Impedance testing for batteries is a non-intrusive way of preventing battery failure by identifying early signs of weakness or general deterioration in individual cells.

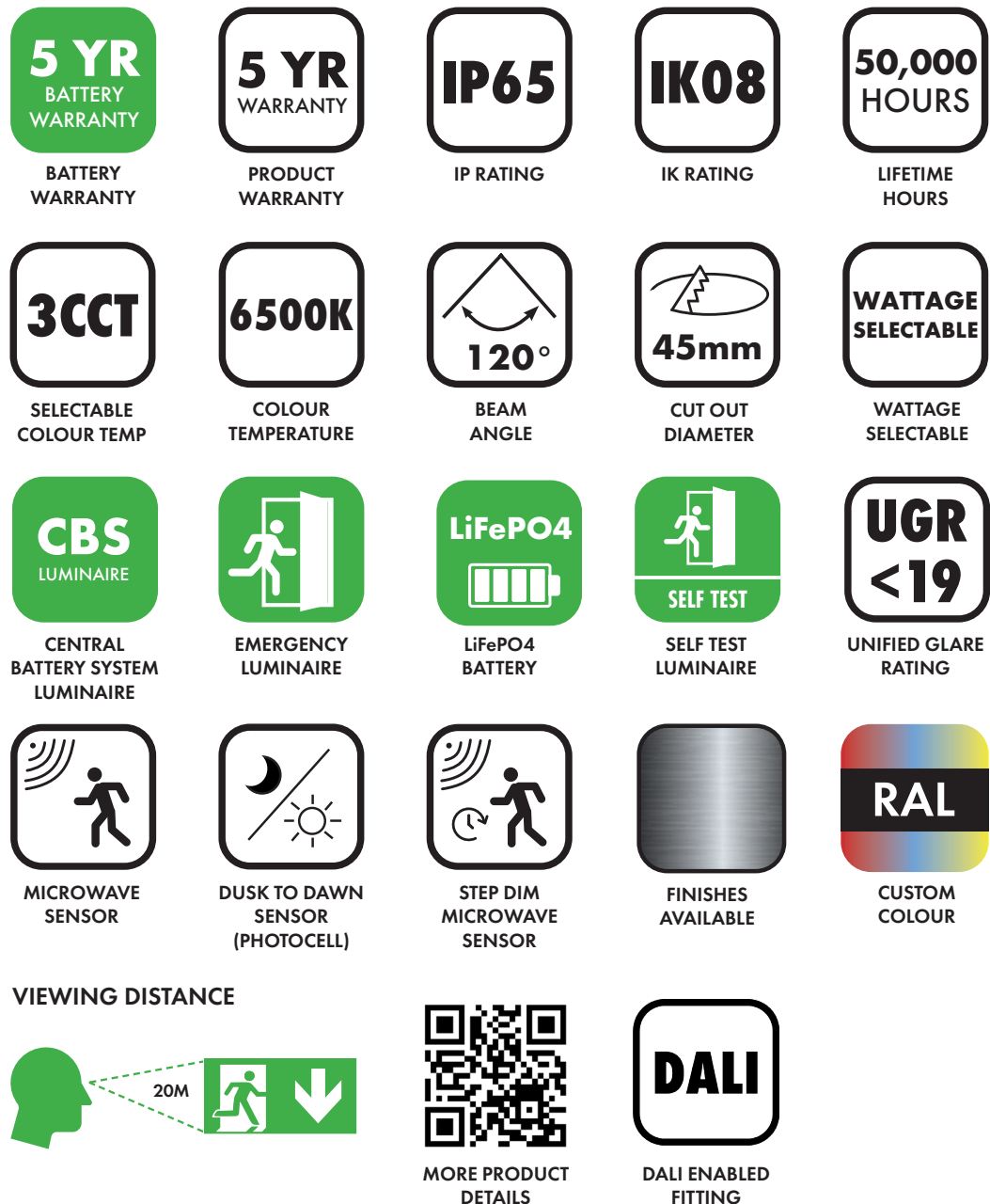
VIEW MORE ON  
OUR WEBSITE





## ICON GUIDE

Please see below for a guide to the icons that we use throughout the lighting section of the catalogue.



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# EMERGENCY LIGHTING

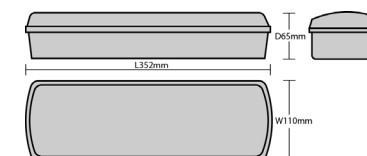
Discover our comprehensive range of emergency lighting, from robust bulkheads to versatile downlights and twin spots, solutions tailored to every setting. Our popular "Made in Britain" range now comes with an impressive 10-year warranty. The entire lighting range is equipped with high-performance LiFePO4 batteries, backed by a solid 5-year warranty. Designed for durability and reliability, these enhancements are built to give peace of mind and top-tier performance for years to come.

## NORFOLK EMERGENCY BULKHEAD

- Green LED healthy charge indicator
- Low power consumption
- Easy install hinged gear tray
- Traditional design
- Ideal for retrofit applications
- Supplied with self adhesive BS EN ISO 7010 exit legend pack



See page 29 for accessories

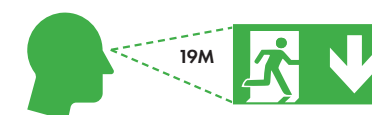


VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION
EL-110150	NORFOLK LED Emergency Bulkhead

### VIEWING DISTANCE



### SPECIFICATION

Input Voltage:	220-240V
Wattage:	6W
Operating Temperature:	0 to +40°C
Material:	Polycarbonate

CRI:	70 CRI
Mode of Operation:	Maintained/Non-Maintained
Lumen Output:	356lm
Emergency Lumen Output:	112lm
Battery Type:	LiFePO4 3.2V 1.5Ah

# MILLHOUSES

## EMERGENCY BULKHEAD

- Green LED healthy charge indicator
- Easy install hinged gear tray
- Traditional design
- Ideal for retrofit applications
- High performance diffuser
- Covers the smaller footprint of previous bulkheads

See page 29 for accessories

NEW



10 YR  
BATTERY  
WARRANTY

10 YR  
WARRANTY

5000K

IP65

CBS  
LUMINAIRE

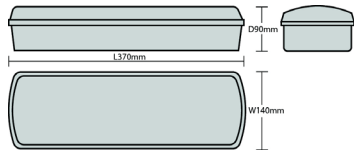
DALI

IK08

30,000  
HOURS

LiFePO4

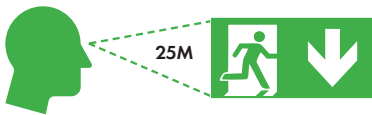
SELF TEST



VIEW  
PRODUCT  
ON WEBSITE

CODE	DESCRIPTION
EL-115001	MILLHOUSES 3 Hour Emergency
EL-115001-24	MILLHOUSES 24V Slave
EL-115001-48	MILLHOUSES 48V Slave
EL-115001-110	MILLHOUSES 110V Slave
EL-115001-230	MILLHOUSES 230V Slave
EL-115001-DL	MILLHOUSES Dali Version
EL-115001-ST	MILLHOUSES Self Test Version
EL-115001-CS	MILLHOUSES Casambi Version
EL-115001-TR	MILLHOUSES TriDonic Version
EL-115050	MILLHOUSES High Output Version (930lm)

### VIEWING DISTANCE



### SPECIFICATION

Input Voltage:	220-240V
Wattage:	3W
Operating Temperature:	0 to +40°C
Material:	Polycarbonate

CRI:	80 CRI
Mode of Operation:	Maintained/Non-Maintained
Lumen Output:	300lm
Emergency Lumen Output:	300lm
Battery Type:	LiFePO4 3.2V

# RIVELIN DALI

## EMERGENCY BULKHEAD

- Green LED healthy charge indicator
- Wall or ceiling mounted
- Surface mounted
- Supplied with ISO legend sticker

NEW



5 YR  
BATTERY  
WARRANTY

5 YR  
WARRANTY

5000K

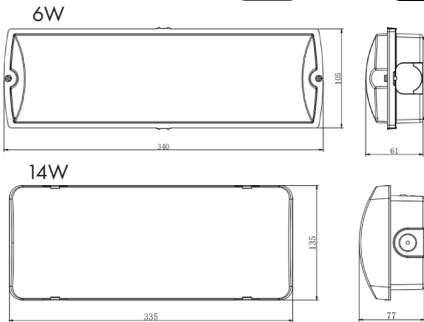
IP65

IK08

50,000  
HOURS

LiFePO4

DALI



VIEW  
PRODUCT  
ON WEBSITE

CODE	DESCRIPTION	WATTAGE	EM LUMEN OUTPUT	DIMENSIONS
EL-115950-DL	RIVELIN DALI Emergency Bulkhead, 6W	6W	220lm	340 x 105 x 61mm
EL-115951-DL	RIVELIN DALI Emergency Bulkhead, 14W	14W	1200lm	335 x 135 x 77mm

### SPECIFICATION

Input Voltage:	220-240V
Wattage:	6W / 14W
Operating Temperature:	+5 to +45°C
Material:	Polycarbonate

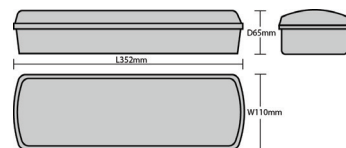
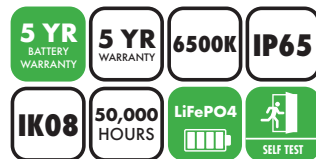
CRI:	>80 CRI
Mode of Operation:	Maintained/Non-Maintained
Battery Type:	LiFePO4 6.4V



# CROOKSMOOR

## EMERGENCY BULKHEAD WITH SELF TEST

- Green LED healthy charge indicator
- Low power consumption
- Easy install hinged gear tray
- Traditional design
- Self test as standard



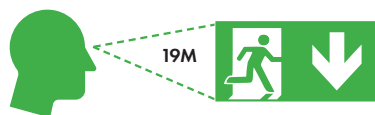
See page 29 for accessories



VIEW  
PRODUCT  
ON WEBSITE



### VIEWING DISTANCE



### SPECIFICATION

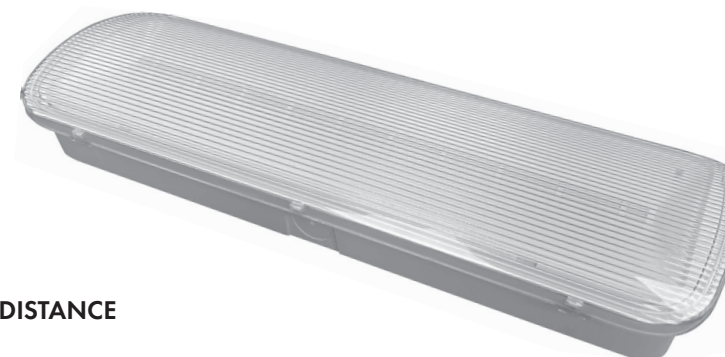
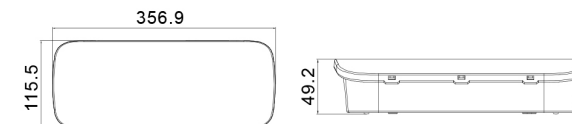
Input Voltage:	220-240V
Wattage:	5W
Operating Temperature:	0 to +40°C
Material:	Polycarbonate

CRI:	70 CRI
Mode of Operation:	Maintained/Non-Maintained
Lumen Output:	350lm
Emergency Lumen Output:	138lm
Battery Type:	LiFePO4 3.2V 1.5Ah

# RUSKIN

## EMERGENCY BULKHEAD

- Green LED healthy charge indicator
- Wall or ceiling mounted
- Hinged gear tray
- Surface mounted
- Low profile
- Push fit terminals
- No visible fixings
- Supplied with ISO legend sticker



VIEW  
PRODUCT  
ON WEBSITE



### VIEWING DISTANCE



CODE	DESCRIPTION	DIMENSIONS
EL-112951	RUSKIN LED Emergency Bulkhead	357 x 166 x 50mm

### SPECIFICATION

Input Voltage:	220-240V
Wattage:	4.5W
Operating Temperature:	+5 to +35°C
Material:	Polycarbonate

CRI:	80 CRI
Mode of Operation:	Maintained/Non-Maintained
Lumen Output:	150lm
Emergency Lumen Output:	150lm
Battery Type:	LiFePO4 3.2V

# CROOKES

## EMERGENCY SLAVE BULKHEAD

- Prismatic diffuser with Fresnel Optics
- Traditional design suitable for retrofit applications
- Supplied with an exit legend sticker, BS EN ISO7010 Format
- European manufacture
- Suitable for use with central battery systems

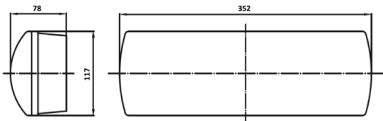
See page 29 for accessories



CODE	DESCRIPTION
EL-110301-24	CROOKES LED Emergency Bulkhead, 24V Slave
EL-110301-50	CROOKES LED Emergency Bulkhead, 50V Slave
EL-110301-110	CROOKES LED Emergency Bulkhead, 110V Slave
EL-110301-230	CROOKES LED Emergency Bulkhead, 230V Slave

### SPECIFICATION

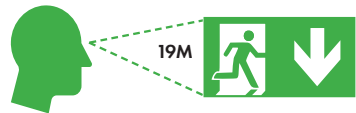
Wattage:	1W	CRI:	70 CRI
Operating Temperature:	0 to +40°C	Lumen Output:	180lm
Material:	Polycarbonate		



VIEW  
PRODUCT  
ON WEBSITE



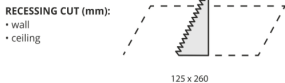
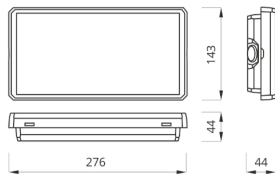
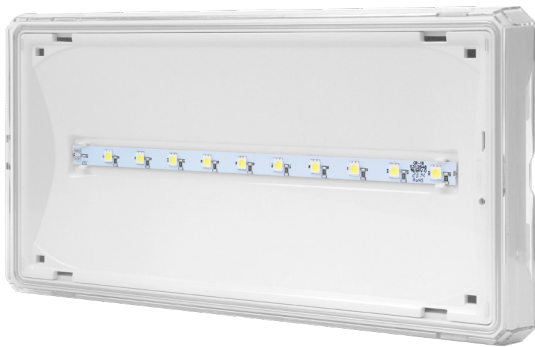
### VIEWING DISTANCE



# GLEN

## EMERGENCY BULKHEAD

- Plexi glass and polycarbonate body
- Supplied with exit legend sticker - BS EN ISO7010 Format
- Recessing kit and drop exit legend available
- European manufacture
- Suitable for use with central battery systems



VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION	INPUT VOLTAGE	WATTAGE	BATTERY TYPE	MODE OF OPERATION
EL-110501	GLEN LED Emergency Bulkhead, 1W	220-240V	1W	NiCD 3.6V 1.5Ah	Maintained/Non-Maintained
EL-110502	GLEN LED Emergency Bulkhead, 2W	220-240V	2W	NiCD 3.6V 2.5Ah	Maintained/Non-Maintained
EL-110503-24	GLEN LED Emergency Bulkhead, 24V Slave	24V	1W	-	CBU Controlled
EL-110503-50	GLEN LED Emergency Bulkhead, 50V Slave	50V	1W	-	CBU Controlled
EL-110503-110	GLEN LED Emergency Bulkhead, 110V Slave	110V	1W	-	CBU Controlled
EL-110503-230	GLEN LED Emergency Bulkhead, 230V Slave	230V	1W	-	CBU Controlled
EL-110504	GLEN Drop Legend				
EL-110505	GLEN Recessing Kit				

### SPECIFICATION

Operating Temperature:	0 to +40°C	Lumen Output:	175lm (1W)
Material:	Polycarbonate		285lm (2W)
CRI:	80 CRI		

### VIEWING DISTANCE



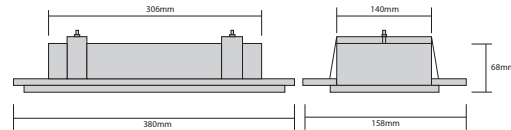
# HOLLINSEND

## RECESSED EMERGENCY BULKHEAD

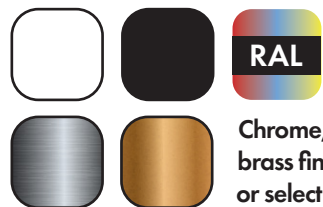
- Green LED healthy charge indicator
- Fully recessed design
- Metal ceiling box assembly
- Dual circuit technology

See page 29 for back box only

See page 46 for bladed version



VIEW  
PRODUCT  
ON WEBSITE



Chrome, white, black or  
brass finish as standard,  
or select any RAL colour.

Tridonic and DALI  
versions available - ask  
for more details

### SPECIFICATION

Wattage:	3W
Operating Temperature:	0 to +40°C
Material:	Metal
CRI:	80 CRI

Mode of Operation:	Maintained/Non-Maintained or CBU Controlled
Lumen Output:	250lm
Emergency Lumen Output:	105lm
Battery Type:	LiFePO4 3.2V 2.0Ah

CODE	DESCRIPTION
EL-110402	<b>HOLLINSEND</b> Emergency Bulkhead, 3hr emergency, Self Test, Prismatic Diffuser
EL-110403	<b>HOLLINSEND</b> Emergency Bulkhead, 3hr emergency, Self Test, Opal Diffuser
EL-110404	<b>HOLLINSEND</b> Emergency Bulkhead, 3hr emergency, Prismatic Diffuser
EL-110408	<b>HOLLINSEND</b> Emergency Bulkhead, 3hr emergency, Opal Diffuser
SUFFIX	DESCRIPTION
-BR	Brass
-CH	Chrome
-WH	White
-BL	Black

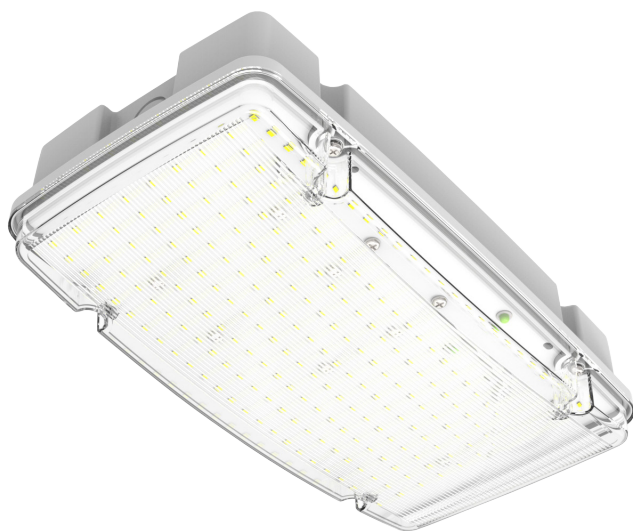
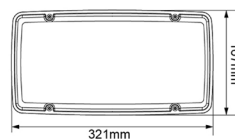
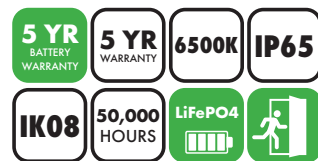
CODE	DESCRIPTION
EL-110406	<b>HOLLINSEND</b> Emergency Slave Bulkhead, Prismatic Diffuser
EL-110407	<b>HOLLINSEND</b> Emergency Slave Bulkhead, Opal Diffuser
SUFFIX	DESCRIPTION
-BR-24	24V Brass
-CH-24	24V Chrome
-WH-24	24V White
-BL-24	24V Black
-BR-50	50V Brass
-CH-50	50V Chrome
-WH-50	50V White
-BL-50	50V Black
-BR-110	110V Brass
-CH-110	110V Chrome
-WH-110	110V White
-BL-110	110V Black
-BR-230	230V Brass
-CH-230	230V Chrome
-WH-230	230V White
-BL-230	230V Black

CODE	ACCESSORY DESCRIPTION
EL-110410-OP	Opal Diffuser
EL-110410-PR	Prismatic Diffuser
EL-110411-BR	Brass Bezel
EL-110411-CH	Chrome Bezel
EL-110411-WH	White Bezel
EL-110411-BL	Black Bezel



## FOXHILL HIGH OUTPUT EMERGENCY BULKHEAD

- Suitable for high level mounting applications
- Ideal for use in high risk task areas, warehousing and manufacturing
- 1000lm/1500lm selectable output
- Polycarbonate construction
- Built in easy-fit gear tray
- Modern design



VIEW  
PRODUCT  
ON WEBSITE





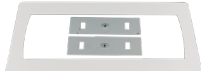
CODE	DESCRIPTION
EL-114850	FOXHILL High Output LED Emergency Bulkhead

### SPECIFICATION





Input Voltage:	220-240V	CRI:	80 CRI
Wattage:	10W	Mode of Operation:	Non-Maintained
Operating Temperature:	+5 to +45°C	Emergency Lumen Output:	1000/1500lm
Material:	Polycarbonate	Battery Type:	LiFePO4 6.4V 6.6Ah

## ACCESSORIES EMERGENCY BULKHEADS DARNALL Bulkhead Accessories

- Legends for use with **NORFOLK**, **CROOKES** and **CROOKSMOOR** Emergency Bulkheads

CODE	DESCRIPTION
EL-194503	<b>DARNALL</b> Self Adhesive Deluxe Exit Legend Kit, BS EN ISO7010 Format. 20M Viewing Distance. 
EL-194501	<b>DARNALL</b> Self Adhesive Deluxe Exit Legend Kit BS EN ISO7010. 19M Viewing Distance. 
EL-194504	<b>DARNALL</b> Semi Recessing Kit For <b>NORFOLK</b> and <b>CROOKSMOOR</b> Emergency Bulkheads 

### MILLHOUSES Legends

CODE	DESCRIPTION
EL-115002-UP	<b>MILLHOUSES</b> Up Legend 
EL-115002-DO	<b>MILLHOUSES</b> Down Legend 
EL-115002-L	<b>MILLHOUSES</b> Left Legend 
EL-115002-R	<b>MILLHOUSES</b> Right Legend 

### MOUNT LED Back Box

- Back Box for Recessed Fittings **HOLLINSEND** & **PARKWOOD**
- Fully recessed design
- Metal box ceiling assembly



CODE	DESCRIPTION
EL-194301	Maintained/Non-Maintained, LiFePO4 3.2V Battery
EL-194303	Maintained/Non-Maintained, LiFePO4 3.2V Battery, Self Test
EL-194302-24	Slave, 24V
EL-194302-50	Slave, 50V
EL-194302-110	Slave, 110V
EL-194302-230	Slave, 230V



# DEVONSHIRE

## EMERGENCY TWIN SPOT

- Green LED healthy charge indicator
- Easy installation
- Adjustable lamp heads
- Compact design.

NEW

5 YR  
BATTERY  
WARRANTY

5 YR  
WARRANTY

6500K

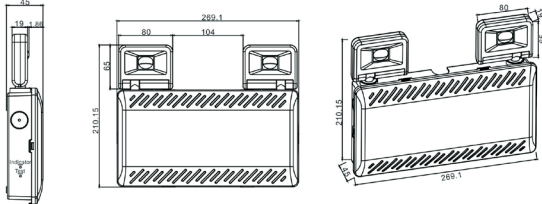
IP65

IK07

50,000  
HOURS

LiFePO4

DALI



VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION
EL-142151	DEVONSHIRE LED Emergency Twin Spot
EL-142151-DL	DEVONSHIRE LED Emergency Twin Spot - DALI version

### SPECIFICATION

Input Voltage:	220-240V	CRI:	80 CRI
Wattage:	4W	Mode of Operation:	Non-Maintained
Operating Temperature:	+5 to +45 °C	Emergency Lumen Output:	500lm
Material:	Polycarbonate	Battery Type:	LiFePO4 3.2V

# STANNINGTON

## EMERGENCY TWIN SPOT WITH SELF TEST

- Green LED healthy charge indicator
- Low power consumption
- Adjustable lamp heads
- Lightweight fitting for easy installation
- Self test as standard

NEW

5 YR  
BATTERY  
WARRANTY

5 YR  
WARRANTY

6500K

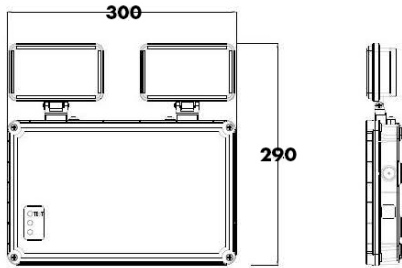
IP65

IK08

50,000  
HOURS

LiFePO4

SELF TEST



VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION
EL-142251	STANNINGTON LED Emergency Twin Spot with Self Test

### SPECIFICATION

Input Voltage:	220-240V	CRI:	80 CRI
Wattage:	3W	Mode of Operation:	Maintained/Non-Maintained
Operating Temperature:	+5 to +45 °C	Emergency Lumen Output:	400lm
Material:	Polycarbonate	Battery Type:	LiFePO4 3.2V

# KELHAM DALI

## EMERGENCY TWIN SPOT

- Green LED healthy charge indicator
- High output 1200lm
- Polycarbonate construction
- Adjustable heads

5 YR  
BATTERY  
WARRANTY

5 YR  
WARRANTY

5000K

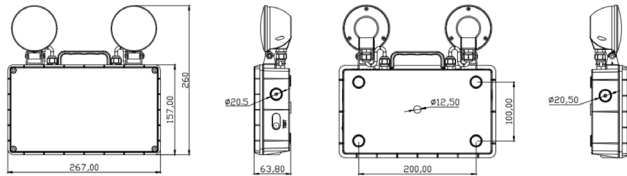
IP65

IK06

50,000  
HOURS

LiFePO4

DALI



NEW



VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION
EL-145850-DL	KELHAM DALI LED Emergency Twin Spot

### SPECIFICATION

Input Voltage:	220-240V	CRI:	>80 CRI
Wattage:	9W	Mode of Operation:	Non-Maintained
Operating Temperature:	0 to +45°C	Emergency Lumen Output:	1200lm
Material:	Polycarbonate	Battery Type:	LiFePO4 6.4V

# SYCAMORE

## EMERGENCY DOWNLIGHT WITH SELF TEST

- Green LED healthy charge indicator
- Recessed mounting
- Supplied with self test as standard
- Discreet design
- Open area or corridor function lens included
- Supplied with both white and black heads

5 YR  
BATTERY  
WARRANTY

5 YR  
WARRANTY

6000K

IP20

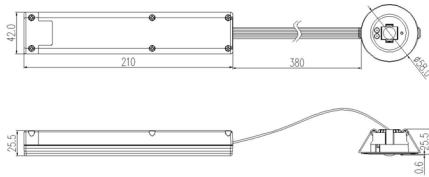
IK06

50,000  
HOURS

48mm

LiFePO4

SELF TEST



NEW



CODE	DESCRIPTION
EL-153051	SYCAMORE LED Emergency Downlight with Self Test

### SPECIFICATION

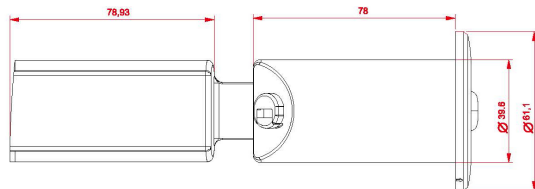
Input Voltage:	220-240V	CRI:	>70 CRI
Wattage:	1.5W	Mode of Operation:	Non-Maintained
Operating Temperature:	0 to +45°C	Emergency Lumen Output:	Corridor Lens: 130lm, Open Area Lens: 150lm
Material:	Polycarbonate	Battery Type:	LiFePO4 3.2V

# KIRKSTONE

## EMERGENCY DOWNLIGHT



- Green LED healthy charge indicator
- Low stand-by power loss
- Recessed mounting
- Convenient and time saving installation
- Pivoted design for restricted height applications
- Integrated LiFePO4 battery pack with easy access for replacement
- Open area or corridor function lens



**NEW**



VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION
EL-155350	KIRKSTONE LED Emergency Downlight
EL-155350-DL	KIRKSTONE LED Emergency Downlight - DALI Version
EL-193201-WH	KIRKSTONE 125mm Dia White Bezel

### SPECIFICATION

Input Voltage:	220-240V
Wattage:	3W
Operating Temperature:	5 to +35°C
Material:	Polycarbonate

CRI:	80 CRI
Mode of Operation:	Non-Maintained
Emergency Lumen Output:	250lm
Battery Type:	LiFePO4 3.2V



**NEW**

## KIRKSTONE Downlight

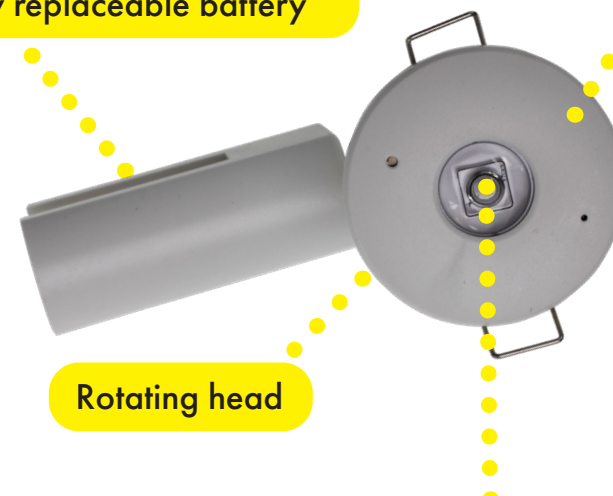
Product Code: EL-155350

Convenient and time saving installation

Easily replaceable battery

Rotating head

Replaceable lens - open area or corridor



### BLE LIGHTING & POWER LTD

Unit 3, Drake Business Park, Drake House Crescent, Sheffield S20 7HT  
Tel: 01246 432325 • Email: sales@blelighting.co.uk • www.blelighting.co.uk



# HEELEY

## EMERGENCY DOWNLIGHT

- Green LED healthy charge indicator
- Replaceable lens - open area or corridor lens
- Surface or recessed mount
- Compact size
- Convenient and time saving installation

5 YR  
BATTERY  
WARRANTY

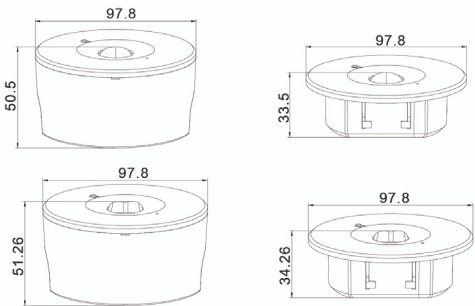
5 YR  
WARRANTY

6500K

IP20

50,000  
HOURS

LiFePO4



NEW



VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION
EL-153151	HEELEY LED Emergency Downlight

### SPECIFICATION

Input Voltage:	220-240V	CRI:	80 CRI
Wattage:	2W	Mode of Operation:	Non-Maintained
Operating Temperature:	+5 to +35°C	Emergency Lumen Output:	150lm
Material:	Polycarbonate	Battery Type:	LiFePO4 3.2V

# HEELEY

## SQUARE EMERGENCY DOWNLIGHT

- Green LED healthy charge indicator
- Surface mount
- Compact size
- Convenient and time saving installation

5 YR  
BATTERY  
WARRANTY

5 YR  
WARRANTY

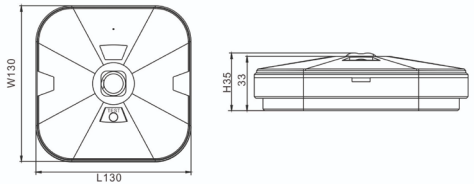
6500K

IP54

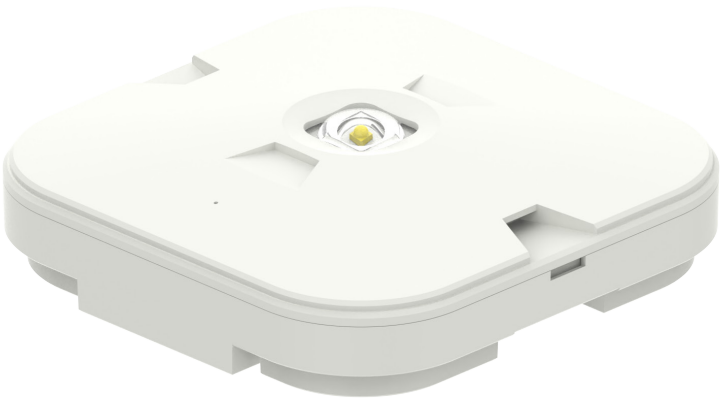
DALI

50,000  
HOURS

LiFePO4



NEW



VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION
EL-153152	HEELEY Square LED Emergency Downlight
EL-153152-DL	HEELEY Square LED Emergency Downlight - DALI version

### SPECIFICATION

Input Voltage:	220-240V	CRI:	80 CRI
Wattage:	3W	Mode of Operation:	Non-Maintained
Operating Temperature:	+5 to +35°C	Emergency Lumen Output:	280lm
Material:	Polycarbonate	Battery Type:	LiFePO4 6.4V

# HEATHLANDS DALI EMERGENCY DOWNLIGHT

- Green LED healthy charge indicator
- Recessed fitting
- 80mm diameter outer ring supplied for use with larger cut outs
- Supplied with an open area and corridor function lens
- Discreet design

5 YR  
BATTERY  
WARRANTY

5 YR  
WARRANTY

5000K

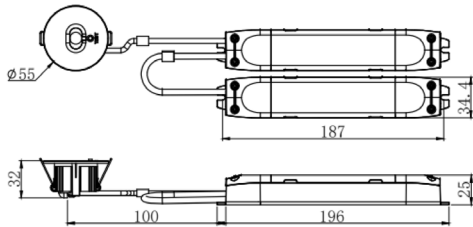
IP20

IK07

50,000  
HOURS

LiFePO4

DALI



**NEW**



VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION
EL-154250-DL	HEATHLANDS DALI LED Emergency Downlight

## SPECIFICATION

Input Voltage:	220-240V
Wattage:	3.5W
Operating Temperature:	0 to +45°C
Material:	Polycarbonate

CRI:	>70 CRI
Mode of Operation:	Non-Maintained
Emergency Lumen Output:	240lm
Battery Type:	LiFePO4 6.4V

# TOTLEY DALI EMERGENCY DOWNLIGHT

- Green LED healthy charge indicator
- Recessed / Surface mount
- Detachable surface mount box
- Supplied with an open area and corridor function lens

5 YR  
BATTERY  
WARRANTY

5 YR  
WARRANTY

5000K

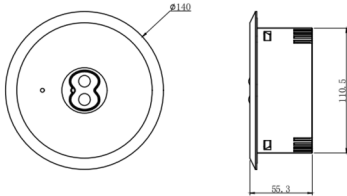
IP20

IK08

50,000  
HOURS

LiFePO4

DALI



**NEW**



VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION	EM LUMEN OUTPUT
EL-155750-DL	TOTLEY DALI Emergency Downlight, 6W	450lm
EL-155751-DL	TOTLEY DALI Emergency Downlight, 3.5W	280lm

## SPECIFICATION

Input Voltage:	220-240V
Wattage:	6W / 3.5W
Operating Temperature:	0 to +45°C
Material:	Polycarbonate

CRI:	>70CRI
Mode of Operation:	Non-Maintained
Battery Type:	LiFePO4



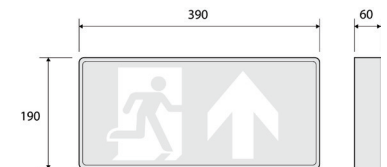
## ESCAPE ROUTE LIGHTING

Discover the versatility of our Escape Route Lighting collection, designed for a range of applications. The MEERSBROOK stands out as a 5-in-1 solution with adaptable exit legends, ensuring it meets all your needs. Also, explore our "Made in Britain" range, available in a variety of colors to blend seamlessly into any environment and backed by an impressive 10-year warranty. Perfect for those seeking durability, style, and reliable safety.

## THORNCLIFFE EMERGENCY EXIT BOX

- Green LED healthy charge indicator
- Highly energy efficient
- Low power consumption
- Supplied with BS EN ISO7010 format legend
- Traditional design

See page 49 for a choice of exit legends



VIEW  
PRODUCT  
ON WEBSITE



### VIEWING DISTANCE



CODE	DESCRIPTION
EL-131351	THORNCLIFFE LED Emergency Exit Box
EL-131350	THORNCLIFFE LED Emergency Exit Box with Self Test
EL-131303-24	THORNCLIFFE LED Emergency Exit Box 24V
EL-131303-50	THORNCLIFFE LED Emergency Exit Box 50V
EL-131303-110	THORNCLIFFE LED Emergency Exit Box 110V
EL-131303-230	THORNCLIFFE LED Emergency Exit Box 230V
EL-131304-BL	THORNCLIFFE Black Bezel
EL-131304-BR	THORNCLIFFE Brass Bezel
EL-131304-BC	THORNCLIFFE Brushed Chrome Bezel
EL-131304-CH	THORNCLIFFE Chrome Bezel

### SPECIFICATION

Input Voltage:	220-240V
Wattage:	3.8W
Operating Temperature:	0 to +40°C
Material:	Metal & Polycarbonate

CRI:	70 CRI
Mode of Operation:	Maintained/Non-Maintained
Lumen Output:	35lm
Emergency Lumen Output:	20lm
Battery Type:	LiFePO4 3.2V 1.5Ah

## FIRTH

### SLIMLINE EMERGENCY EXIT BOX WITH SELF TEST



- Green LED healthy charge indicator
- Highly energy efficient
- Modern and slimline design
- Supplied with BS EN ISO7010 format legend.

See page 49 for a choice of exit legends



VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION
EL-131250	FIRTH LED Slimline Emergency Exit Box with Self Test

#### VIEWING DISTANCE

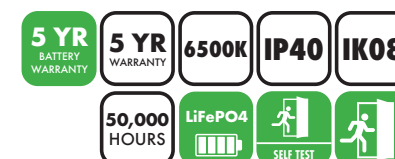


#### SPECIFICATION

Input Voltage:	220-240V	CRI:	70 CRI
Wattage:	3.5W	Mode of Operation:	Maintained/Non-Maintained
Operating Temperature:	0 to +40°C	Lumen Output:	55lm
Material:	Polycarbonate	Emergency Lumen Output:	36lm
		Battery Type:	LiFePO4 3.2V 1.5Ah

## WESTON

### EMERGENCY EXIT SIGN WITH SELF TEST



- Green LED healthy charge indicator
- Adjustable drop length - 1 metre max
- Supplied with BS EN ISO7010 format legend

See page 49 for a choice of exit legends



VIEW  
PRODUCT  
ON WEBSITE



#### VIEWING DISTANCE



CODE	DESCRIPTION
EL-131850	WESTON LED Emergency Exit Sign with Self Test

#### SPECIFICATION

Input Voltage:	220-240V	CRI:	70 CRI
Wattage:	3W	Mode of Operation:	Maintained/Non-Maintained
Operating Temperature:	0 to +40°C	Lumen Output:	47lm
Material:	Polycarbonate	Emergency Lumen Output:	27lm
		Battery Type:	LiFePO4 3.2V 1.0Ah

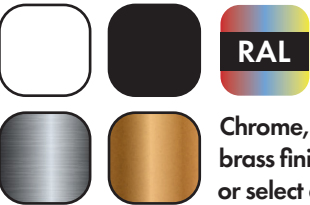


# BINGHAM

## EMERGENCY HANGING EXIT SIGN

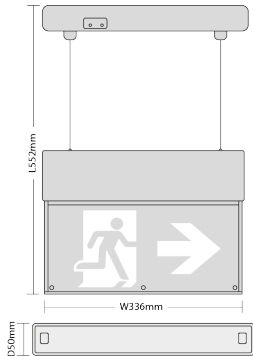
- Green LED healthy charge indicator
- Adjustable drop length (250mm as standard)
- High quality engraved legend

See page 49 for a choice of exit legends



### SPECIFICATION

Input Voltage:	220-240V
Wattage:	3W
Operating Temperature:	0 to +40°C
Material:	Aluminium enclosure and chains



Tridonic and DALI versions available - ask for more details

### VIEWING DISTANCE



VIEW  
PRODUCT  
ON WEBSITE



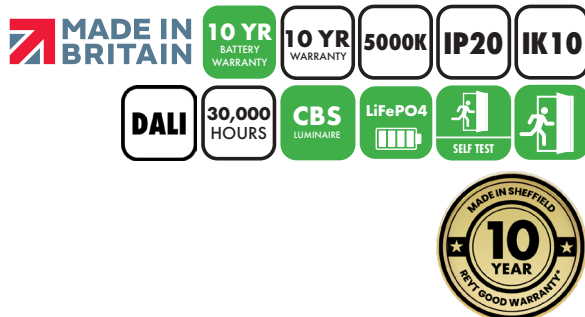
CODE	DESCRIPTION
EL-132001	BINGHAM 3hr Emergency Exit Sign
EL-132002	BINGHAM 3hr Emergency Exit Sign with Self Test
SUFFIX	DESCRIPTION
-BL	Black
-BR	Brass
-CH	Chrome
-WH	White

CODE	DESCRIPTION
EL-132003	BINGHAM Slave Exit Sign
SUFFIX	DESCRIPTION
-BR-24	24V Brass
-CH-24	24V Chrome
-WH-24	24V White
-BL-24	24V Black
-BR-50	50V Brass
-CH-50	50V Chrome
-WH-50	50V White
-BL-50	50V Black
-BR-110	110V Brass
-CH-110	110V Chrome
-WH-110	110V White
-BL-110	110V Black
-BR-230	230V Brass
-CH-230	230V Chrome
-WH-230	230V White
-BL-230	230V Black

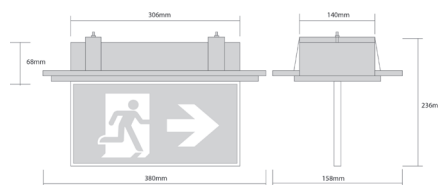
# PARKWOOD

## RECESSED EMERGENCY EXIT SIGN

- Green LED healthy charge indicator
- Fully recessed design
- Metal ceiling box assembly
- Supplied with high quality engraved legend



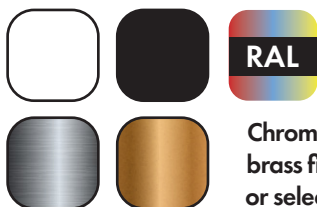
See page 49 for a choice of exit legends  
See page 29 for back box only  
See page 26 for recessed bulkhead



VIEW  
PRODUCT  
ON WEBSITE



Tridonic and DALI  
versions available - ask  
for more details



Chrome, white, black or  
brass finish as standard,  
or select any RAL colour.

### VIEWING DISTANCE



### SPECIFICATION

Input Voltage:	220-240V	CRI:	80 CRI
Wattage:	3W	Mode of Operation:	Maintained/Non-Maintained or CBU controlled
Operating Temperature:	0 to +40°C	Emergency Lumen Output:	32lm
Material:	Metal	Battery Type:	LiFePO4 3.2V 2.0Ah

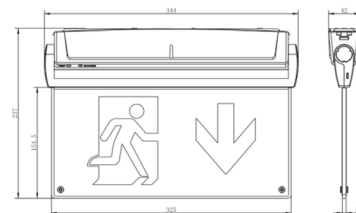
CODE	DESCRIPTION
EL-133804	PARKWOOD 3hr Emergency Exit Sign
EL-133807	PARKWOOD 3hr Emergency Exit Sign, Self Test
SUFFIX	DESCRIPTION
-BR	Brass
-CH	Chrome
-WH	White
-BL	Black

CODE	DESCRIPTION
EL-133805	PARKWOOD Slave Exit Sign
SUFFIX	DESCRIPTION
-BR-24	24V Brass
-CH-24	24V Chrome
-WH-24	24V White
-BL-24	24V Black
-BR-50	50V Brass
-CH-50	50V Chrome
-WH-50	50V White
-BL-50	50V Black
-BR-110	110V Brass
-CH-110	110V Chrome
-WH-110	110V White
-BL-110	110V Black
-BR-230	230V Brass
-CH-230	230V Chrome
-WH-230	230V White
-BL-230	230V Black

CODE	ACCESSORIES
EL-133809-BR	Brass Bezel
EL-133809-CH	Chrome Bezel
EL-133809-WH	White Bezel
EL-133809-BL	Black Bezel

# MEERSBROOK

## 5 IN 1 EXIT SIGN WITH SELF TEST



- Green LED healthy charge indicator
- Five mounting options supplied as standard
- Includes three kinds of brackets
- Lightweight and easy to install
- Adjustable hanging length - 1 metre as standard
- Supplied with BS EN ISO 7010 format exit legend pack
- Supplied with directional arrows and blank legend for all options of single or double sided signage



HANGING



FLAG MOUNT



RECESSED



CEILING MOUNT



WALL MOUNT

VIEW  
PRODUCT  
ON WEBSITE



### VIEWING DISTANCE



### SPECIFICATION

Input Voltage:	220-240V
Wattage:	2.8W
Operating Temperature:	0 to +40°C
Material:	Polycarbonate

CRI:	70 CRI
Mode of Operation:	Maintained/Non-Maintained
Lumen Output:	37lm
Emergency Lumen Output:	27lm
Battery Type:	LiFePO4 3.2V 1.5Ah

CODE	DESCRIPTION
EL-131950	MEERSBROOK 5 in 1 Exit Sign with Self Test

# ACCESSORIES

## EMERGENCY EXIT SIGNS

### THORNCLIFFE Exit Legends



CODE	DESCRIPTION	DIRECTION
EL-131305-DO	European Signs Directive Format	Down
EL-131305-LR	European Signs Directive Format	Left/Right
EL-131305-UP	European Signs Directive Format	Up
EL-131306-DO	BS EN ISO7010 Format	Down
EL-131306-LR	BS EN ISO7010 Format	Left/Right
EL-131306-UP	BS EN ISO7010 Format	Up

### FIRTH Exit Legends



CODE	DESCRIPTION	DIRECTION
EL-131203-L	BS EN ISO7010 Format	Left
EL-131203-R	BS EN ISO7010 Format	Right
EL-131203-UP	BS EN ISO7010 Format	Up

### WESTON Exit Legends



CODE	DESCRIPTION	DIRECTION
EL-131802-DO	BS EN ISO7010 Format	Down
EL-131802-LR	BS EN ISO7010 Format	Left/Right
EL-131803-UP	European Signs Directive Format	Up
EL-131803-LR	European Signs Directive Format	Left/Right

### WOODHOUSE Exit Legends

- For use with the **BINGHAM** and **PARKWOOD** Exit Signs
- Engraved double-sided exit legend

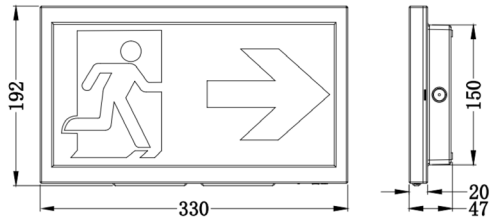


CODE	DESCRIPTION	DIRECTION
EL-194404-DO	European Signs Directive Format	Down
EL-194404-LR	European Signs Directive Format	Left/Right
EL-194404-UP	European Signs Directive Format	Up
EL-194405-DO	BS EN ISO7010 Format	Down
EL-194405-LR	BS EN ISO7010 Format	Left/Right
EL-194405-UP	BS EN ISO7010 Format	Up

# TUNWELL DALI

## EMERGENCY EXIT SIGN

- Green LED healthy charge indicator
- Supplied with ISO 7010 format exit legend
- Wall mount
- Polycarbonate construction



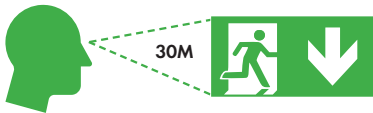
NEW



VIEW  
PRODUCT  
ON WEBSITE



### VIEWING DISTANCE



CODE	DESCRIPTION
EL-134050-DL	TUNWELL DALI LED Emergency Exit Sign

### SPECIFICATION

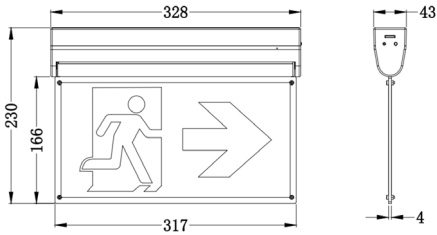
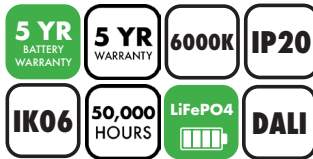
Input Voltage:	220-240V
Wattage:	2-5W
Operating Temperature:	0 to +45°C
Material:	Polycarbonate

CRI:	>80 CRI
Mode of Operation:	Maintained / Non-Maintained
Emergency Lumen Output:	50lm
Battery Type:	LiFePO4 3.2V

# PARSON DALI

## MULTI-INSTALLATION EMERGENCY EXIT SIGN

- Green LED healthy charge indicator
- Supplied with ISO 7010 format exit legend
- Wall / ceiling mount
- Multi-position for a range of applications
- Additional mounting accessories for recessing and hanging also available
- Polycarbonate construction



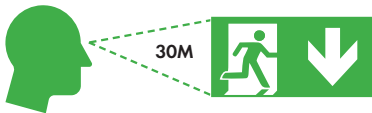
NEW



VIEW  
PRODUCT  
ON WEBSITE



### VIEWING DISTANCE



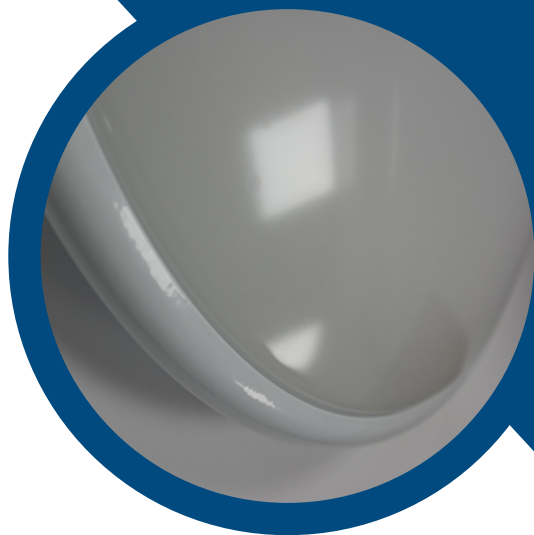
CODE	DESCRIPTION
EL-134150-DL	PARSON DALI Emergency Exit Sign

### SPECIFICATION

Input Voltage:	220-240V
Wattage:	3W
Operating Temperature:	0 to +45°C
Material:	Polycarbonate

CRI:	>80CRI
Mode of Operation:	Maintained / Non-Maintained
Battery Type:	LiFePO4 3.2V



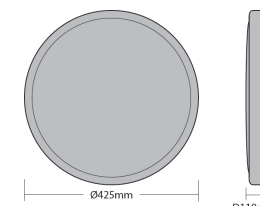


## AMENITY LIGHTING

Explore the BLE Amenity Light collection, featuring a wide range of products, with many from our "Made in Britain" range. These stylish, contemporary designs offer versatile lighting options for both indoor and outdoor environments, enhancing any space while delivering quality and durability.

### CHELSEA LOW PROFILE AMENITY LIGHT

- Reduced power consumption
- Surface mounted
- Impact modified polycarbonate opal diffuser
- High quality metal housing
- Microwave sensor version available
- Emergency version available



VIEW  
PRODUCT  
ON WEBSITE



Chrome, white, black or  
brass finish as standard,  
or select any RAL colour.



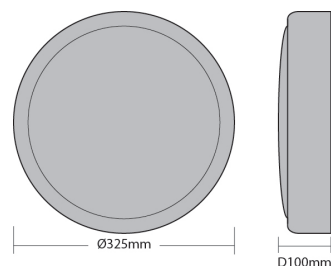
CODE	DESCRIPTION
EL-121004-BR	<b>CHELSEA</b> 230V Mains, Brass
EL-121004-CH	<b>CHELSEA</b> 230V Mains, Chrome
EL-121004-WH	<b>CHELSEA</b> 230V Mains, White
EL-121004-BL	<b>CHELSEA</b> 230V Mains, Black
SUFFIX	DESCRIPTION
-MW	Microwave Sensor
-M3	3hr Emergency
-M3-MW	3hr Emergency, Microwave Sensor

### SPECIFICATION

Input Voltage:	220-240V	Material:	Powder Coated Aluminium
Wattage:	15W	CRI:	70 CRI
Operating Temperature:	0 to +40°C	Battery Type:	LiFePO4 6.4V 1.0Ah

## OXLEY ECO AMENITY LIGHT

- Low power consumption
- Surface mounted
- Polycarbonate opal diffuser
- Wattage selectable: 9W/14W/18W
- 3CCT selectable colour temperature



**NEW**



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PRODUCT  
ON WEBSITE



CODE	DESCRIPTION
EL-120652	OXLEY ECO Amenity Light

### SPECIFICATION

Input Voltage:	220-240V	CRI:	80 CRI
Wattage:	9W/14W/18W	Lumen Output:	870lm - 1600lm
Operating Temperature:	0 to +40°C		
Material:	Polycarbonate		

**UNBEATABLE VALUE,  
UNCOMPROMISED QUALITY**



## OXLEY ECO AMENITY LIGHT

Product Code: EL-120652

**NEW**

Low power  
consumption



3CCT selectable  
colour temperature

Selectable wattage

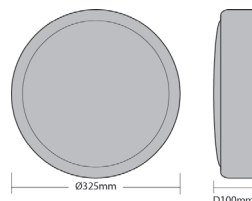


### BLE LIGHTING & POWER LTD

Unit 3, Drake Business Park, Drake House Crescent, Sheffield S20 7HT  
Tel: 01246 432325 • Email: sales@blelighting.co.uk • www.blelighting.co.uk

## OXLEY

### CIRCULAR AMENITY LIGHT



- Low power consumption
- Surface mounted
- Polycarbonate opal diffuser
- Microwave sensor version available
- Step dim microwave sensor version available
- Emergency version available
- 3CCT



VIEW  
PRODUCT  
ON WEBSITE



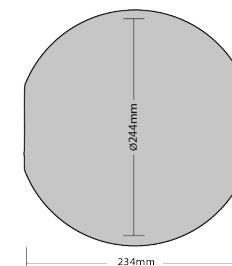
CODE	DESCRIPTION
EL-120651	<b>OXLEY</b> 230V Mains Circular Amenity Light
EL-120651-MW	<b>OXLEY</b> 230V Mains Circular Amenity Light with Microwave Sensor
EL-120651-SD	<b>OXLEY</b> 230V Mains Circular Amenity Light with Step Dim Microwave Sensor
EL-120651-M3	<b>OXLEY</b> 3hr Emergency Circular Amenity Light
EL-120651-M3-MW	<b>OXLEY</b> 3hr Emergency Circular Amenity Light with Microwave Sensor
EL-120651-M3-SD	<b>OXLEY</b> 3hr Emergency Circular Amenity Light with Step Dim Microwave Sensor

#### SPECIFICATION

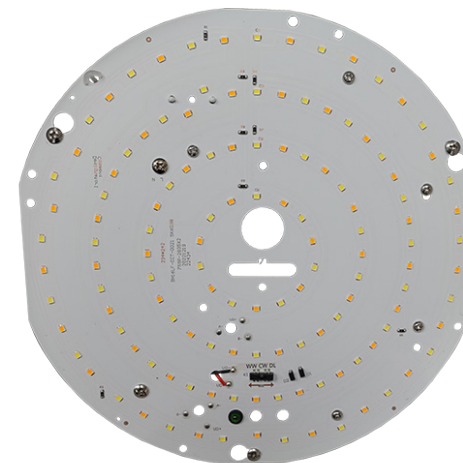
Input Voltage:	220-240V	CRI:	80 CRI
Wattage:	15W	Lumen Output:	1500lm (4000K)
Operating Temperature:	0 to +40°C	Emergency Lumen Output:	180lm (4000K)
Material:	Polycarbonate	Battery Type:	LiFePO4 6.4V 1.0Ah

## FORGE

### GEAR TRAYS



- Perfect for retrofit applications
- Microwave sensor version available
- Step dim microwave sensor version available
- Emergency version available
- 3CCT



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CODE	DESCRIPTION
EL-193450	<b>FORGE</b> 230V Mains Gear Tray
EL-193450-MW	<b>FORGE</b> 230V Mains Gear Tray with Microwave Sensor
EL-193450-SD	<b>FORGE</b> 230V Mains Gear Tray with Step Dim Microwave Sensor
EL-193450-M3	<b>FORGE</b> 3hr Emergency Gear Tray
EL-193450-M3-MW	<b>FORGE</b> 3hr Emergency Gear Tray with Microwave Sensor
EL-193450-M3-SD	<b>FORGE</b> 3hr Emergency Gear Tray with Step Dim Microwave Sensor

#### SPECIFICATION

Input Voltage:	220-240V	CRI:	80 CRI
Wattage:	15W	Lumen Output:	2100lm (4000K)
Operating Temperature:	+5 to +45°C	Emergency Lumen Output:	260lm (4000K)
Material:	Aluminium	Battery Type:	LiFePO4 6.4V 1.0Ah



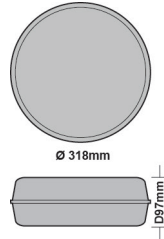
# ENDCLIFFE

## CIRCULAR AMENITY LIGHT

- Reduced power consumption
- Surface mounted
- Impact modified polycarbonate housing and diffuser
- Microwave sensor version available
- Emergency version available
- Photocell version available



Tridonic and DALI versions available - ask for more details



VIEW PRODUCT ON WEBSITE



White or black finish as standard

CODE	DESCRIPTION
EL-120701-BL	ENDCLIFFE 230V Mains Amenity Light, Black, Opal Diffuser
EL-120701-WH	ENDCLIFFE 230V Mains Amenity Light, White, Opal Diffuser
EL-120702-BL	ENDCLIFFE 230V Mains Amenity Light, Black, Prismatic Diffuser
EL-120702-WH	ENDCLIFFE 230V Mains Amenity Light, White, Prismatic Diffuser
SUFFIX	DESCRIPTION
-MW	ENDCLIFFE Microwave Sensor
-DD	ENDCLIFFE Photocell
-M3	ENDCLIFFE 3hr Emergency
-M3-MW	ENDCLIFFE 3hr Emergency, Microwave
-M3-DD	ENDCLIFFE 3hr Emergency, Photocell

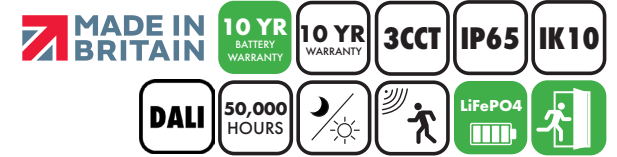
### SPECIFICATION

Input Voltage:	220-240V	CRI:	70 CRI
Wattage:	15W	Lumen Output:	1090lm
Operating Temperature:	0 to +40°C	Emergency Lumen Output:	230lm
Material:	Polycarbonate	Battery Type:	LiFePO4 6.4V 1.0Ah

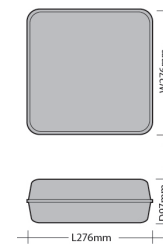
# WHIRLOW

## SQUARE AMENITY LIGHT

- Reduced power consumption
- Surface mounted
- Impact modified polycarbonate housing and diffuser
- Microwave sensor version available
- Emergency version available
- Photocell version available



Tridonic and DALI versions available - ask for more details



VIEW PRODUCT ON WEBSITE



White or black finish as standard

CODE	DESCRIPTION
EL-120901-BL	WHIRLOW 230V Mains Amenity Light, Black, Opal Diffuser
EL-120901-WH	WHIRLOW 230V Mains Amenity Light, White, Opal Diffuser
EL-120902-BL	WHIRLOW 230V Mains Amenity Light, Black, Prismatic Diffuser
EL-120902-WH	WHIRLOW 230V Mains Amenity Light, White, Prismatic Diffuser
SUFFIX	DESCRIPTION
-MW	WHIRLOW Microwave Sensor
-DD	WHIRLOW Photocell
-M3	WHIRLOW 3hr Emergency
-M3-MW	WHIRLOW 3hr Emergency, Microwave
-M3-DD	WHIRLOW 3hr Emergency, Photocell

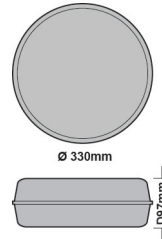
### SPECIFICATION

Input Voltage:	220-240V	CRI:	80 CRI
Wattage:	15W	Lumen Output:	1090lm
Operating Temperature:	0 to +40°C	Emergency Lumen Output:	230lm
Material:	Polycarbonate	Battery Type:	LiFePO4 6.4V 1.0Ah

## DORE

### DIECAST AMENITY LIGHT

- Reduced power consumption
- High quality diecast aluminium base and hood
- Impact modified polycarbonate opal diffuser
- Microwave sensor version available
- Emergency version available
- Photocell version available
- Removeable eyelid



Removeable Eyelid

Tridonic and DALI versions available - ask for more details

VIEW PRODUCT ON WEBSITE



CODE	DESCRIPTION
EL-120801	DORE 230V Mains Diecast Amenity Light
SUFFIX	DESCRIPTION
-MW	DORE Microwave Sensor
-DD	DORE Photocell
-M3	DORE 3hr Emergency
-M3-MW	DORE 3hr Emergency, Microwave Sensor
-M3-DD	DORE 3hr Emergency, Photocell

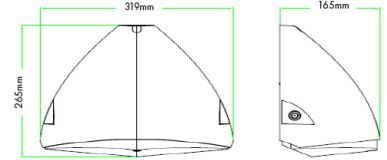
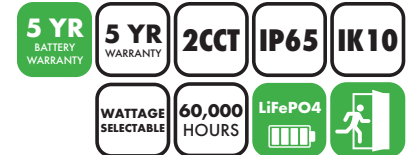
#### SPECIFICATION

Input Voltage:	220-240V	CRI:	70 CRI
Wattage:	15W	Lumen Output:	550/1090lm (eyelid/non-eyelid)
Operating Temperature:	0 to +40°C	Emergency Lumen Output:	90/180lm (eyelid/non-eyelid)
Material:	Diecast Aluminium	Battery Type:	LiFePO4 6.4V 1.0Ah

## ECCLESALL

### DIECAST WALL LIGHT

- High efficiency, up to 140lm/W
- Non-flicker driver
- Wattage selectable
- Modern and minimalist design
- Suitable for rear and side cable entry
- Suitable for conduit and BESA box installation
- PCB integrated with diffuser for easy installation
- 2CCT



VIEW PRODUCT ON WEBSITE



White or black finish as standard

CODE	DESCRIPTION
EL-121101-AN	ECCLESALL Diecast Wall Light, Anthracite
EL-121101-AN-M3	ECCLESALL Diecast Wall Light, Anthracite, 3hr Emergency
EL-121101-WH	ECCLESALL Diecast Wall Light, White

#### SPECIFICATION

Input Voltage:	220-240V	CRI:	80 CRI
Wattage:	13/18/28W	Lumen Output:	1700-3500lm
Operating Temperature:	0 to +40°C	Emergency Lumen Output:	275lm
Material:	Diecast Aluminium	Battery Type:	LiFePO4 6.4V 1.5Ah

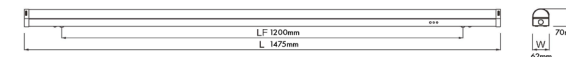


## LINEAR FITTINGS

Discover the flexibility of our LED Non-Corrosive and Batten Fittings, engineered to light up your spaces precisely where it's needed most. With wattage-selectable options, you can customise the brightness to suit any application, while emergency and microwave sensor versions add extra functionality for complete peace of mind. Installation is quick and straightforward, so you can enjoy a well-lit and safe environment in no time!

## GREENHILL BATTEN FITTING

- Stylish tube design, suitable for multi-purpose applications
- Push-fit terminals and clip-on gear tray for fast installation
- 20mm conduit entry points at each end
- Efficiency up to 100lm/W
- Opal diffuser provides a consistent light uniformity whilst protecting the high performance LED array



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PRODUCT  
ON WEBSITE



LINEAR FITTINGS

CODE	DESCRIPTION	WATTAGE	LUMENS
EL-182810	<b>GREENHILL</b> LED Batten Fitting, Wattage Selectable	50W/40W/ 34W/28W	8000/6400/ 5440/4480lm
SUFFIX	DESCRIPTION	-	-
-MW	<b>GREENHILL</b> Microwave Sensor	-	-
-M3	<b>GREENHILL</b> 3hr Emergency	-	-
-M3-MW	<b>GREENHILL</b> 3hr Emergency, Microwave Sensor	-	-

### SPECIFICATION

Input Voltage:	220-240V
Operating Temperature:	0 to +40°C
Material:	Polycarbonate

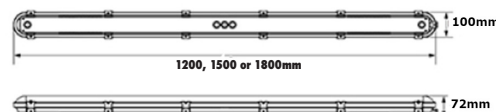
CRI:	80 CRI
Battery Type:	LiFePO4



## ELLESMERE

### NON-CORROSIVE FITTING

- Slim design with high efficiency diffuser
- Polycarbonate body for durability and strength
- Robust stainless steel clips
- Easy installation
- Clips can be locked by screws
- Metal gear tray
- 3CCT
- Wattage selectable



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PRODUCT  
ON WEBSITE



CODE	DESCRIPTION	WATTAGE	LUMEN OUTPUT AT 4000K
EL-172704	ELLESMERE LED Non-Corrosive Fitting, 4ft	23/29/34/40W	2760/3480/4080/4800lm
EL-172705	ELLESMERE LED Non-Corrosive Fitting, 5ft	34/42/51/60W	4080/5040/6120/7200lm
EL-172706	ELLESMERE LED Non-Corrosive Fitting, 6ft	37/46/56/70W	4440/5520/6720/8400lm
SUFFIX	DESCRIPTION	-	-
-MW	ELLESMERE Microwave Sensor	-	-
-M3	ELLESMERE 3hr Emergency	-	-
-M3-MW	ELLESMERE 3hr Emergency, Microwave Sensor	-	-

#### SPECIFICATION

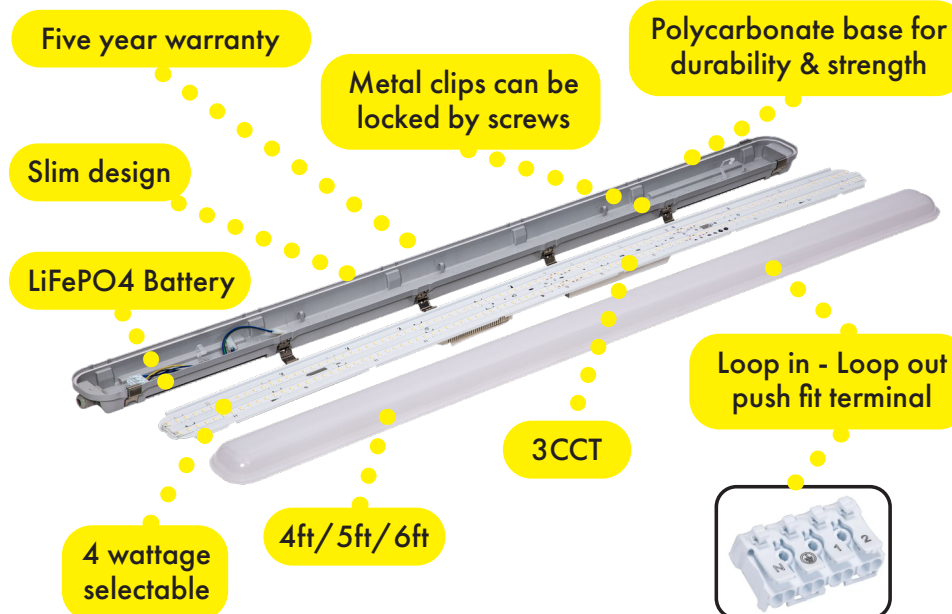
Input Voltage:	220-240V
Operating Temperature:	0 to +40°C
Material:	Polycarbonate

CRI:	80 CRI
Emergency Lumen Output:	200lm
Battery Type:	LiFePO4 6.4V 2.0Ah



## ELLESMERE

### NON-CORROSIVE FITTING



EMERGENCY AND MICROWAVE SENSOR VERSIONS AVAILABLE

PRE-SETTING AND TESTING AVAILABLE ON LARGER QUANTITIES



#### BLE LIGHTING & POWER LTD

Unit 3, Drake Business Park, Drake House Crescent, Sheffield S20 7HT  
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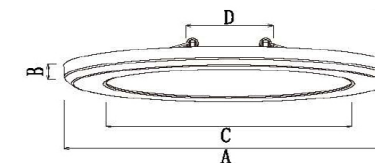


## COMMERCIAL LIGHTING

Brighten up your commercial space with our energy-efficient LED panels, available in sleek, round, or square designs. With a low-profile structure, these panels fit seamlessly into any project or installation, elevating both ambiance and vibrancy in your environment. Perfect for enhancing modern spaces with style and efficiency!

### BROADFIELD CIRCULAR PANEL

- Adjustable colour temperature - Warm White, Cool White, Day Light
- Even light output
- Slim design
- Over voltage and short circuit protection
- Ideal for retrofit applications
- Class II



**EL-162601**  
A - 235mm  
B - 16mm  
C - 175mm  
D - 65-205mm

**EL-162602**  
A - 300mm  
B - 25mm  
C - 252mm  
D - 120-260mm



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PRODUCT  
ON WEBSITE



CODE	DESCRIPTION	WATTAGE	CUT OUT	LUMEN OUTPUT	LIFETIME HOURS
EL-162601	<b>BROADFIELD</b> LED Circular Panel 235mm	10W/13W/16W	65-205mm	950-1800lm	50,000
<small>NEW</small> EL-162602	<b>BROADFIELD</b> LED Circular Panel 300mm	16W/20W/22W	120-260mm	1500-2600lm	40,000

#### SPECIFICATION

Input Voltage: 220-240V  
Operating Temperature: -20 to +40°C

Material: Polycarbonate  
CRI: 80 CRI

# WESTWOOD

## BACK-LIT PANEL



- Cost saving backlit LED panel
- High efficiency up to 120lm/W
- Even light distribution for multiple applications
- Flicker free
- Low maintenance, instant light output with 50,000 hours average life
- Over voltage and short circuit protection
- 3CCT
- Wattage selectable

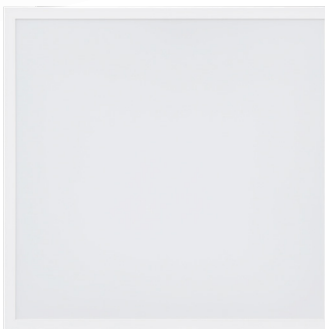
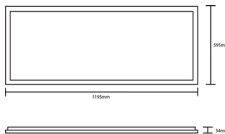
VIEW  
PRODUCT  
ON WEBSITE



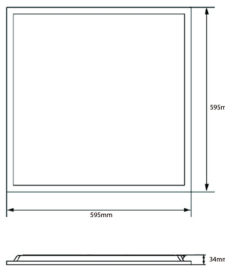
**NEW**



EL-162503



EL-162504



CODE	COLOUR TEMPERATURE	LUMEN OUTPUT	WATTAGE	DIMENSIONS
EL-162503	3CCT (3000K/4000K/6000K)	5760-7200lm	48W / 52W / 56W / 60W Adjustable	1195x595mm
EL-162503-M3	3CCT (3000K/4000K/6000K)	5760-7200lm	48W / 52W / 56W / 60W Adjustable	1195x595mm
EL-162504	3CCT (3000K/4000K/6000K)	3960-4800lm	33W / 36W / 38W / 40W Adjustable	595x595mm
EL-162504-M3	3CCT (3000K/4000K/6000K)	3960-4800lm	33W / 36W / 38W / 40W Adjustable	595x595mm

### SPECIFICATION

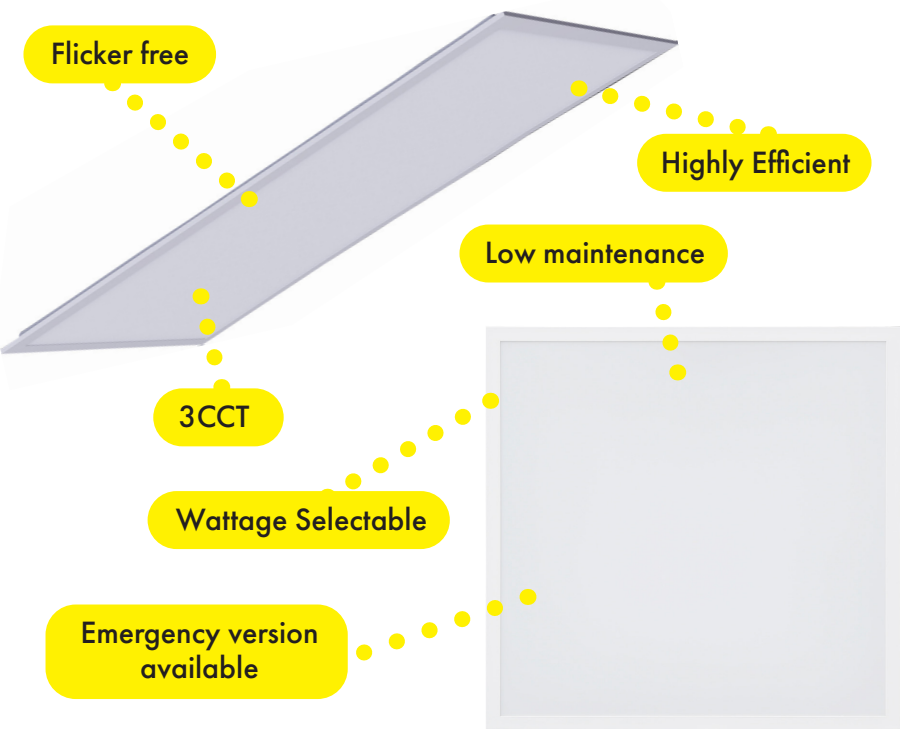
Input Voltage:	220-240V	Material:	Aluminium alloy
Operating Temperature:	-0 to +40°C	CRI:	80 CRI
		Battery Type:	LiFePO4



**NEW**

# WESTWOOD

## BACK-LIT PANEL



### BLE LIGHTING & POWER LTD

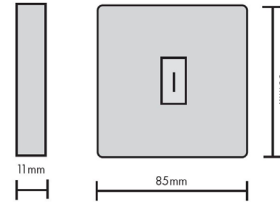
Unit 3, Drake Business Park, Drake House Crescent, Sheffield S20 7HT  
Tel: 01246 432325 • Email: sales@blelighting.co.uk • www.blelighting.co.uk



## HERDINGS

### MANUAL TEST SWITCH

- Simple test switch unit
- Key activation provides visual indication
- Extremely cost effective solution for testing luminaires
- A number of luminaires can be tested together



CODE	DESCRIPTION
EL-191601	HERDINGS Backing Box - 30mm
EL-191602	HERDINGS Backing Box - 16mm
EL-191603	HERDINGS Fish Key
EL-191604	HERDINGS Plate, Supplied with fixings
EL-191605	HERDINGS Switch

## ABBEEFIELD

### BATTERIES

- Legacy battery range
- High temperature batteries
- Suitable for emergency lighting applications



CODE	DESCRIPTION
EL-193301	ABBEEFIELD 2 Cell Battery Pack, In Line, Nickel Cadmium, 2.4V 4.0Ah, With Flying Leads
EL-193302	ABBEEFIELD 2 Cell Battery Pack, In Line, Nickel Metal Hydride
EL-193303	ABBEEFIELD 2 Cell Battery Pack, Side by Side, Nickel Cadmium, 2.4V 4.0Ah, With Flying Leads
EL-193305	ABBEEFIELD 3 Cell Battery Pack, Side by Side, Nickel Cadmium, 3.6V 4.0Ah, With Flying Leads
EL-193306	ABBEEFIELD 4 Cell Battery Pack, In Line, Nickel Cadmium, 4.8V 4.0Ah, With Flying Leads
EL-193307	ABBEEFIELD 4 Cell Battery Pack, Side by Side, Nickel Cadmium, 4.8V 4.0Ah, With Flying Leads
EL-193308	ABBEEFIELD Sub C Battery, NiCD 3 Cell 1.6Ah, 3.6V
EL-193309	ABBEEFIELD LiFePO4 Battery, 3.2V, 2.0Ah

# Why Choose BLE?

## Here Since 1968

Our commitment to quality and customer satisfaction is backed by 56 years of industry experience. Since 1968, we have been at the forefront of the lighting and power solutions market, ensuring that our products not only meet but exceed the highest standards of performance and reliability.



## 10 Year Warranty on Made in Britain Lighting Products

With over half a century in the business, you can be confident that we will be here to honour our warranties and support you every step of the way. Our 10 year warranty on our Made in Britain lighting products is a testament to the durability and superior craftsmanship of the range.



## Life Safety

Our commitment to life safety is at the heart of everything we do. We are dedicated to providing emergency lighting solutions that ensure safety and security in every building and facility.



## We Care About the Environment

We are committed to environmental sustainability. Our packaging is made from recycled materials and contains no single-use plastics, reflecting our dedication to reducing waste. We offer recycling programs for used batteries and equipment, ensuring that we minimise our environmental footprint.



## Customer Care Team

Our customer care team is truly exceptional. Their dedication and commitment mean that nothing is ever too much trouble. From answering queries to providing personalised support, they go above and beyond to ensure our customers receive the best service possible.



## Technical Support Team

Our technical engineers are always on hand to offer expert support on power solutions and technical lighting queries. With their extensive knowledge and experience, they provide invaluable guidance to ensure our customers receive the best solutions for their specific needs. Whether it's troubleshooting or providing detailed advice, our engineers are dedicated to helping you achieve optimal performance and reliability.



## Marketing Support

Our marketing support is designed to enhance your sales efforts with comprehensive resources. We provide detailed catalogues and literature that can be shared with end-users, bespoke marketing solutions tailored to your needs, and access to epim, offering up-to-date product information in multiple formats.



## BLE LIGHTING & POWER LTD

Unit 3, Drake Business Park, Drake House Crescent, Sheffield S20 7HT  
Tel: 01246 432325 | Email: sales@blelighting.co.uk | www.blelighting.co.uk







# EMERGENCY LIGHTING CONVERSION & CONTROL

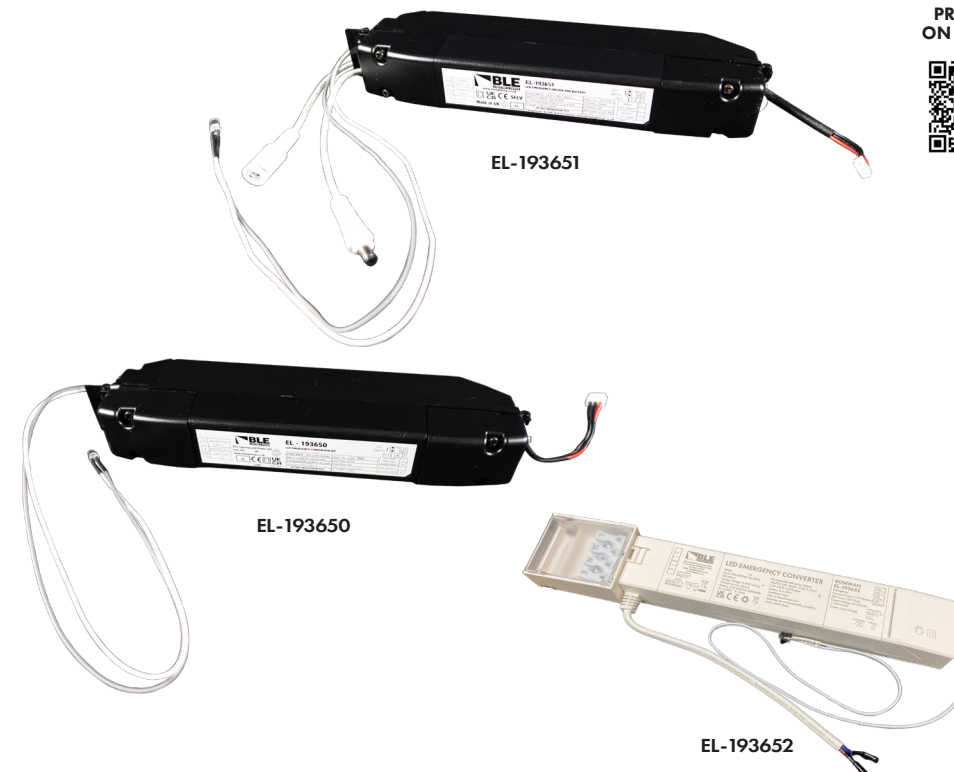
Effortlessly meet emergency lighting standards with our versatile conversion packs and drivers, designed to adapt existing light fittings for emergency use. Our solutions offer a reliable and flexible way to convert standard fittings to emergency lighting across various applications. With options to suit numerous fixture types, our emergency conversion packs and drivers enable easy integration, providing dependable illumination when it's most needed.

## BOWMAN EMERGENCY CONVERSION PACK



- Green LED healthy charge indicator

VIEW  
PRODUCT  
ON WEBSITE



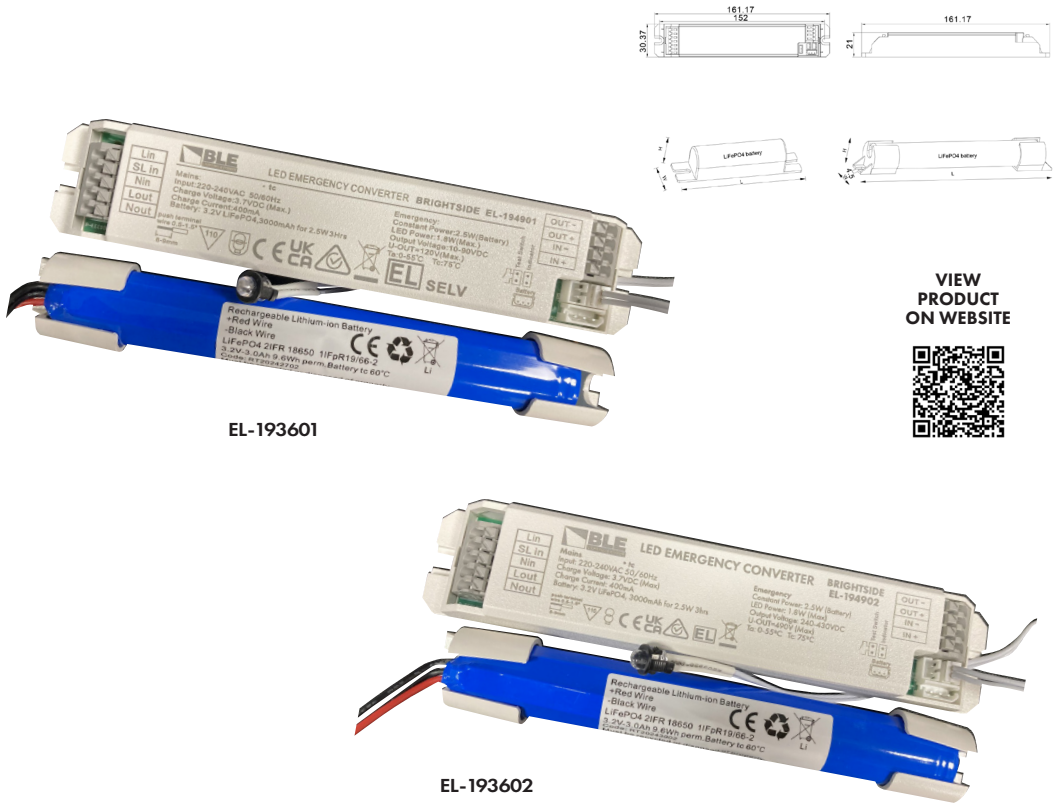
CODE	DESCRIPTION	WATTAGE	BATTERY	OUTPUT
EL-193650	<b>BOWMAN</b> Emergency Conversion Pack, for use with the <b>BROADFIELD</b> Circular Panel	5W	LiFePO4 6.4V 3.6Ah	70-250V
EL-193651	<b>BOWMAN</b> Emergency Conversion Pack, for use with the <b>WESTWOOD</b> Back-Lit Panel	3W	LiFePO4 3.2V 4.4Ah	12-55V
EL-193652	<b>BOWMAN</b> Emergency Conversion Pack	2.5W	LiFePO4 3.2V 3.0Ah	10-300V

### SPECIFICATION

Input Voltage:	220-240V
Operating Temperature:	+5 to +35°C
Material:	Polycarbonate

# BRIGHTSIDE

## EMERGENCY CONVERSION MODULE



CODE	DESCRIPTION	WATTAGE	BATTERY
EL-194901	<b>BRIGHTSIDE</b> Emergency Lighting Conversion Module - 10-90VDC	2.5W	LiFePO4 3.2V
EL-194902	<b>BRIGHTSIDE</b> Emergency Lighting Conversion Module - 240-430VDC	2.5W	LiFePO4 3.2V

### SPECIFICATION

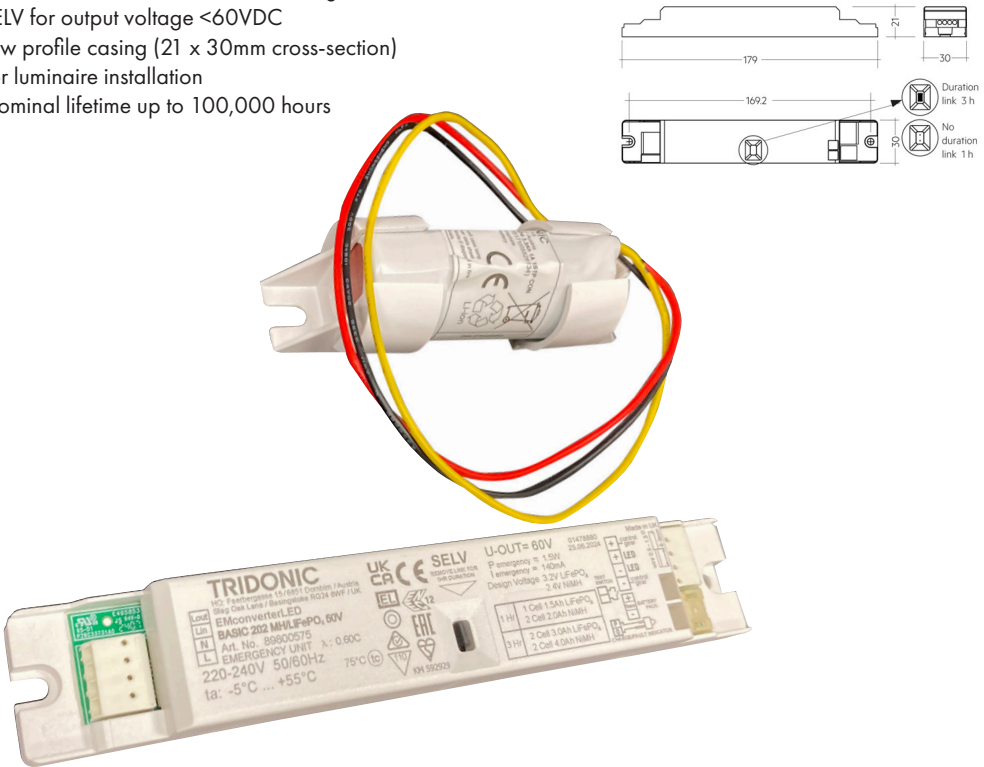
Input Voltage:	220-240V
Operating Temperature:	0 to +55°C
Material:	Polycarbonate
Mode of Operation:	Maintained/Non-maintained

# TRIDONIC

## EMERGENCY LIGHTING CONVERSION MODULE



- Self contained emergency lighting LED driver for manual testing
- For LED modules with a forward voltage of 10-54V
- SELV for output voltage <60VDC
- Low profile casing (21 x 30mm cross-section)
- For luminaire installation
- Nominal lifetime up to 100,000 hours



CODE	DESCRIPTION	WATTAGE	BATTERY
89800575	<b>TRIDONIC</b> Emergency Lighting Conversion Module	1.5W	LiFePO4

**DALI version also available**

### SPECIFICATION

Input Voltage:	220 - 240V
Operating Temperature:	-5 to +55°C
Dimensions:	179 x 30 x 21 mm

## POWER SYSTEMS

Discover our diverse range of power systems, expertly designed to deliver reliable back-up power when it's needed most. Whether you're looking for a solution for a small space or a large facility, we offer flexible options tailored to suit any premises and can customise systems to meet the unique needs of every client.

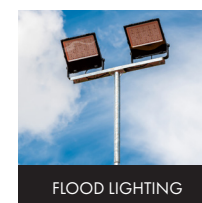
## STAVELEY MINI LED INVERTERS



Compact Emergency Lighting Static Inverters providing 230V AC to power standard LED lighting for three hours at full light output in emergency mode.



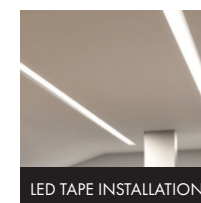
CHANDELIERS



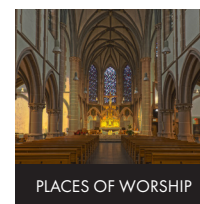
FLOOD LIGHTING



MEDICAL LIGHTING



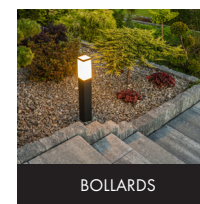
LED TAPE INSTALLATIONS



PLACES OF WORSHIP



HIGH RISK TASK LIGHTING



BOLLARDS



STEP LIGHTING

**STAVELEY** compact static inverters are specifically designed to operate LED lighting. By supplying 230V AC in emergency mode, they make it possible for standard mains powered LED luminaires to be operated under mains or circuit failure conditions at full light output.

For most installations the wiring is extremely simple. And with a range of sizes, individual inverters can be selected for each application so that the designer can choose to use either a number of individual units to simplify the cable installation, or use larger units to power a greater number of points.

The LED display on each unit provides information on the status of each unit providing information on mains voltage, output voltage, battery status and fault indication.

BLE has been manufacturing and supplying central power systems for over 50 years and offers a wide range of static inverter systems together with on-site services including maintenance contracts.





# STAVELEY

## MINI LED INVERTER



- Engineered to suit LED lighting
- Cost effective solution to powering unmodified LED Luminaires in the event of mains failure
- Multi-functional LCD display
- 32 bit micro-controller
- Overload and short circuitry protection
- Compatible with optional remote hold-off relays
- Steel housing
- Designed in accordance with BS EN 50171:2021
- 3 hour emergency duration
- Wall mount or free standing
- One fused output, 5A input
- Additional fused outputs available on request
- Remote alarm monitoring and test options available on request
- 24V, 48V and 110V versions also available
- Dali compatible options available

VIEW  
PRODUCT  
ON WEBSITE



800W



120W, 200W  
& 400W



BATTERY CABINET

CODE	DESCRIPTION	MAX INPUT CURRENT	INVERTER CUBICLE DIMENSIONS (H X W X D)	BATTERY CABINET DIMENSIONS (H X W X D)	BATTERY CABINET QUANTITY	TOTAL WEIGHT
PS-130402	STAVELEY 120W Mini LED Inverter (2 x 26Ah 12V Batteries)	< 3.0A	305 x 472 x 166mm	238 x 472 x 174mm	1	40.5Kg
PS-130403	STAVELEY 200W Mini LED Inverter (2 x 33Ah 12V Batteries)	< 5.0A	305 x 472 x 166mm	238 x 472 x 174mm	1	45.5Kg
PS-130404	STAVELEY 400W Mini LED Inverter (4 x 33Ah 12V Batteries)	< 5.0A	305 x 472 x 166mm	238 x 472 x 174mm	2	74.5Kg
PS-130405	STAVELEY 800W Mini LED Inverter (2 x 100Ah 12V Batteries)	< 5.0A	773 x 510 x 386mm	Integral	N/A	98.5Kg

SUFFIX	DESCRIPTION
-24	STAVELEY Step Down Transformer Package - 24V Output
-48	STAVELEY Step Down Transformer Package - 48V Output
-110	STAVELEY Step Down Transformer Package - 110V Output

### INPUT CHARACTERISTICS

Input Voltage:	220-240V
Frequency:	50Hz
Phase:	Single Phase
Float Voltage:	27.5V
MCB Type:	13A Fused Spur
Input Terminal Size:	1.5mm
DC Supply:	24V
Efficiency at 100% Load:	>95%

### GENERAL

Colour:	White
Display Type:	LCD
Fixing Locations:	Wall Mount / Free Standing
Cable Entry:	Top / Side
Warranty:	1 year

### BATTERIES

Battery Type:	Sealed Lead Acid
Battery Duration:	3 Hours
Battery Service Life:	10 Years

### OUTPUT CHARACTERISTICS

Output Voltage:	220-240V (or 24V, 48V, 110V for Step Down Option)
Output Frequency:	50Hz
Output Regulation:	1-5% Dependent on Load
Phase:	Single Phase
Low Voltage Disconnect:	19.2V
System Duration:	3 Hours
Overload Capacity:	20% continuously for > 1 hour 150% continuously for 10 minutes 200% continuously for <1 minute
Efficiency (100% Load):	<95%
Output Category:	Maintained
Change Over Time:	0.05 Seconds
Output Protection:	Fuse

### ENVIRONMENTAL

Operating Temperature:	0 to +22°C
Relative Humidity:	90% non-condensing
Altitude:	<1000M
Noise:	20dBA at 1M
IP Rating:	IP22
Ventilation:	Forced Air

Battery specification may vary depending on chosen brand.



# STANFORD

## SINGLE PHASE STATIC INVERTER

- Designed for emergency lighting applications
- Compact design for ease of installation in a restricted space
- Smart battery charge management to optimise battery life
- Transformer based design
- Low maintenance
- Output configuration - active standby
- Complies with BS EN 50171:2021
- Batteries comply with EN 60896-21 and EN 60896-22
- Sealed lead acid batteries rated for 10 years service life
- Digital system status display

VIEW  
PRODUCT  
ON WEBSITE



### INPUT CHARACTERISTICS

Input Voltage:	220-240V
THD (Linear Load):	<5%
Frequency:	50Hz
Phase:	Single Phase
MCB Type:	Type C/D
DC Supply:	192V Nominal

### GENERAL

Colour:	Blue / Grey
Display Type:	LCD with User Interface
Fixing Locations:	Floor Standing
Cable Entry:	Bottom Entry
Warranty:	1 Year

### BATTERIES

Battery Type:	Sealed Lead Acid
Battery Duration:	3 Hours
Battery Service Life	10 Years

### OUTPUT CHARACTERISTICS

Output Voltage:	220-240V (or 24V, 48V or 110V for Step Down Package)
Output Frequency:	50Hz
Phase:	Single Phase
Low Voltage Disconnect:	163.2V
System Duration:	3 Hours
Frequency Stability:	<+/- 0.5% Asynchronous <+/-2% Synchronous
Crest Factor:	3:1
Output Wave Form:	Pure Sine Wave
Voltage Transfer:	0-100% Dynamic Load 100%
Overload Capacity:	20% continuously for > 1 hour 150% continuously for 10 minutes 200% continuously for <1 minute
Efficiency (100% Load):	>90%
Load PF	>0.70
Output Category:	Maintained/Non-Maintained
Output Protection:	Circuit Breaker

### ENVIRONMENTAL

Operating Temperature	0 to +22°C
Relative Humidity	30-90% non-condensing
Altitude:	<1000M
Noise:	45-65dBA
IP Rating:	IP22
Ventilation:	Forced Air

CODE	DESCRIPTION	MAX INPUT CURRENT	OUTPUT CURRENT	INVERTER CUBICLE DIMENSIONS (H X W X D)	INVERTER CUBICLE WEIGHT	BATTERY CABINET DIMENSIONS (H X W X D)	BATTERY CABINET QTY	BATTERY CABINET WEIGHT (INC BATTERIES)
PS-140501	1.6KVA (1.3kW) Single Phase Static Inverter Package, 192V (16 x 26Ah 12V Batteries)	20A	7A	740 x 343 x 630mm	93Kg	1350 x 780 x 470mm	1	191.5Kg
PS-140503	2.6KVA (2.2kW) Single Phase Static Inverter Package, 192V (16 x 33Ah 12V Batteries)	26A	11.5A	740 x 343 x 630mm	93Kg	1350 x 780 x 470mm	1	231.5Kg
PS-140505	3.8KVA (3.2kW) Single Phase Static Inverter Package, 192V (16 x 70Ah 12V Batteries)	32A	16A	740 x 343 x 630mm	93Kg	1350 x 780 x 470mm	1	452.5Kg
PS-140507	5.5KVA (4.7kW) Single Phase Static Inverter Package, 192V (16 x 100Ah 12V Batteries)	45A	24A	1002 x 343 x 630mm	150Kg	1350 x 780 x 470mm	1	532.5Kg
PS-140509	7.6KVA (6.3kW) Single Phase Static Inverter Package, 192V (32 x 70Ah 12V Batteries)	53A	33A	1002 x 343 x 630mm	150Kg	1350 x 780 x 470mm	2	904.5Kg
PS-140511	11KVA (9.3kW) Single Phase Static Inverter Package, 192V (32 x 100Ah 12V Batteries)	55A	48A	1160 x 480 x 720mm	200Kg	1350 x 780 x 470mm	2	1064.5Kg
PS-140513	16.6KVA (14.1kW) Single Phase Static Inverter Package, 192V (48 x 100Ah 12V Batteries)	86A	72A	1160 x 480 x 720mm	200Kg	1350 x 780 x 470mm	3	1596.5Kg

SUFFIX	DESCRIPTION
-NB	Inverter Only, No Batteries
-BO	Battery Package Only with Isolator, Shrouds, Links & Leads (cabinet not included)
-24	Step Down Transformer Package including Enclosure, Fuses, Fuse Holders - 24V AC Output
-48	Step Down Transformer Package including Enclosure, Fuses, Fuse Holders - 48V AC Output
-110	Step Down Transformer Package including Enclosure, Fuses, Fuse Holders - 110V AC Output

CODE	ACCESSORY DESCRIPTION
PS-140515-RT	<b>STANFORD</b> Remote Test for Static Inverters 1.6KVA, 2.6KVA and 3.8KVA
PS-140516-RT	<b>STANFORD</b> Remote Test for Static Inverters 5.5KVA & 7.6KVA
PS-140517-RT	<b>STANFORD</b> Remote Test for Static Inverters 11KVA & 16.6KVA
PS-130410	<b>STANFORD</b> Multi-way Output

Battery specification may vary depending on chosen brand.

## THREE PHASE STATIC INVERTER

- Designed for Emergency Lighting applications
- Smart battery charge management to optimise battery life
- Transformer based design
- Low maintenance
- Output configuration – active standby
- Complies with BS EN 50171: 2021
- Batteries comply with EN 60896-21 and EN 60896-22
- Touch screen digital display indicating system status and menus
- High specification technical control circuit

VIEW  
PRODUCT  
ON WEBSITE



### INPUT CHARACTERISTICS

Input Voltage:	400V AC
THD (Linear Load):	<5%
Frequency:	50Hz
Phase:	3 Phase & Neutral
MCB Type:	C/D Type
Input Terminal Size:	6mm
DC Supply:	384V Nominal

### GENERAL

Colour:	Blue / Grey
Display Type:	Touch Screen
Fixing Locations:	Floor Standing
Cable Entry:	Bottom Entry
Warranty:	1 year

### BATTERIES

Battery Type:	Sealed Lead Acid
Battery Duration:	3 Hours
Battery Service Life:	10 Years

### OUTPUT CHARACTERISTICS

Rated Voltage:	400V AC
Output Frequency:	50Hz
Phase:	3 Phase & Neutral
Low Voltage Disconnect:	325V
System Duration:	3 Hours
Frequency Stability:	<+/- 0.5% Asynchronous <+/- 2% Synchronous
Crest Factor:	3:1
Output Wave Form:	Pure Sine Wave
Voltage Transfer:	0-100% Dynamic Load 100%
Overload Capacity:	150% continuously for 10 minutes 200% continuously for 1 minute
Efficiency (100% Load):	>90%
Load PF:	>0.70
Output Category:	Continuous Output
Output Protection:	Circuit Breaker

### ENVIRONMENTAL

Operating Temperature:	0 to +22°C
Relative Humidity:	30-90% non-condensing
Noise:	45dBA
IP Rating:	IP22
Ventilation:	Forced Air

CODE	DESCRIPTION	MAX INPUT CURRENT	OUTPUT CURRENT	INVERTER CUBICLE DIMENSIONS (H X W X D)	INVERTER CUBICLE WEIGHT	BATTERY CABINET DIMENSIONS (H X W X D)	BATTERY CABINET QTY	BATTERY CABINET WEIGHT (INC BATTERIES)
PS-140601	3.3KVA (2.8kW) Three Phase Static Inverter Package, 384V (32 x 26Ah 12V Batteries)	9.5A / Phase	6A / Phase	1220 x 555 x 725mm	93Kg	1350 x 780 x 470mm	1	326Kg
PS-140603	5.3KVA (4.5kW) Three Phase Static Inverter Package, 384V (32 x 33Ah 12V Batteries)	15A / Phase	10A / Phase	1220 x 555 x 725mm	223Kg	1350 x 780 x 470mm	1	406Kg
PS-140605	7.6KVA (6.5kW) Three Phase Static Inverter Package, 384V (32 x 70Ah 12V Batteries)	19A / Phase	12A / Phase	1220 x 555 x 725mm	223Kg	1350 x 780 x 470mm	2	905Kg
PS-140607	11KVA (9.3kW) Three Phase Static Inverter Package, 384V (32 x 100Ah 12V Batteries)	25A / Phase	16A / Phase	1220 x 555 x 725mm	270Kg	1350 x 780 x 470mm	2	1065Kg
PS-140608	17KVA (14kW) Three Phase Static Inverter Package, 384V (64 x 70Ah 12V Batteries)	40A / Phase	22A / Phase	1220 x 555 x 725mm	300Kg	1350 x 780 x 470mm	4	1809Kg
PS-140609	22KVA (19.7kW) Three Phase Static Inverter Package, 384V (64 x 100Ah 12V Batteries)	50A / Phase	32A / Phase	1220 x 555 x 725mm	300Kg	1350 x 780 x 470mm	4	2129Kg
PS-140611	33KVA (28kW) Three Phase Static Inverter Package, 384V (96 x 100Ah 12V Batteries)	75A / Phase	48A / Phase	1510 x 650 x 700mm	333Kg	1350 x 780 x 470mm	6	3194Kg
PS-140613	44KVA (37.4kW) Three Phase Static Inverter Package, 384V (128 x 100Ah 12V Batteries)	100A / Phase	64A / Phase	1510 x 650 x 700mm	360Kg	1350 x 780 x 470mm	8	4258Kg
PS-140615	50KVA (40kW) Three Phase Static Inverter Package, 384V (160 x 100Ah 12V Batteries)	110A / Phase	73A / Phase	1510 x 650 x 700mm	370Kg	1350 x 780 x 470mm	10	5322Kg

SUFFIX	DESCRIPTION
-NB	Inverter Only, No Batteries
-BO	Battery Package Only with Isolator, Shrouds, Links & Leads

Battery specification may vary depending on chosen brand.



## STATIC INVERTER & UPS MONITORING SYSTEM

BLE One is a compact and efficient control and monitoring system for static inverters and UPS systems. It offers monitoring of all inputs and outputs via SMS or email, and can be controlled through SMS communication over the GSM network. With customisable input/output names and messages, the system allows flexibility for user-defined parameters. A selected group of users from the phonebook can be assigned to either control the module or receive notifications. When there is a change in the input status - whether from digital inputs or analogue levels - BLE One sends a pre-set or user-defined message to the designated group.

Users can also control outputs by sending an SMS command to the BLE One system, and it provides periodic updates at user-defined intervals. In case of a power loss, the system retains enough power to send SMS alerts to the selected group, ensuring you stay informed, even during a power outage. It also notifies users once power is restored.

**Reliable and versatile, BLE One ensures seamless monitoring and control for critical systems.**

Designed to provide a single comprehensive solution to manage inverters and UPS systems particularly in larger estates and premises.

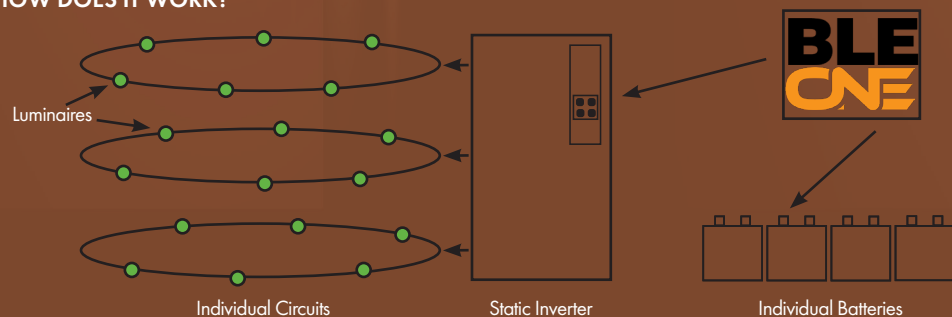
Provides a secure way of monitoring inverter and UPS systems with reduced need for on-site labour and unnecessary site visits.

Reduced maintenance, the only site visits required will be to attend to a reported fault.

### WHAT CAN BE MONITORED?

Standard:	Inverter healthy Inverter fault Lights on / off
Additional:	System function Power in / out Current draw - load - input Voltage Battery or individual blocks / cells Individual circuits Logic Temperature

### HOW DOES IT WORK?



**Note:** BLE One monitors the Static Inverter (or UPS) rather than the individual luminaires

## HEATHCOTE

### MINI CENTRAL BATTERY UNIT

- Designed and manufactured at BLE using quality components
- Safe, reliable and secure source of emergency power for escape and emergency lighting systems
- Meets the requirements of BS EN 50171:2021
- Housed in a robust steel cabinet, finished in a durable neutral coloured textured finish – RAL 7032
- Efficient, easily operated unit
- Low maintenance costs
- High voltage and low voltage alarm
- Low voltage disconnect with zero standby current



### INPUT CHARACTERISTICS

Input Voltage: 230V (400V on request)

### SYSTEM CHARACTERISTICS

System Duration: Total 3 Hour Load  
Mode of Operation: Maintained / Non-Maintained

### BATTERIES

Battery Type: Sealed Lead Acid  
Battery Voltage: 12V  
Battery Duration: 3 Hours  
Battery Service Life: 10 Years

### GENERAL

Colour: Neutral RAL 7032  
Cable Entry: Top / Side  
Warranty: 1 Year

### OUTPUT CHARACTERISTICS

Output Voltage: 24V AC/DC

### ENVIRONMENTAL

Operating Temperature: 0 to +22°C  
IP Rating: IP22  
Ventilation: Vented

### DIMENSIONS & WEIGHT

Width: 500mm  
Depth: 250mm  
Height: 500mm

VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION	3 HOUR DURATION WATTS	TOTAL SYSTEM WEIGHT
PS-120201	HEATHCOTE 24V DC Mini Central Battery Unit, 160W (2 x 26Ah 12V Batteries)	24V DC Voltage – 160W	87Kg
PS-120202	HEATHCOTE 24V DC Mini Central Battery Unit, 250W (2 x 33Ah 12V Batteries)	24V DC Voltage – 250W	92Kg
PS-120203	HEATHCOTE 24V DC Mini Central Battery Unit, 400W (2 x 70Ah 12V Batteries)	24V DC Voltage – 400W	120Kg

Battery specification may vary depending on chosen brand.



# BATTERIES & ACCESSORIES

Our range of high-efficiency SLA batteries is ideal for emergency lighting and uninterruptible power supply applications. Designed with precision, our battery cabinet enclosures are built specifically for battery systems. With a wide selection of options available, you can be confident that each system will be tailored to meet the unique requirements of your project.

## SILVERWELL SEALED LEAD ACID BATTERIES

- EUROBAT Classification: 10 to 12 years 'Long Life'
- High rate discharge performance VRLA battery
- Compliant with IEC60896-21 and 22
- FR case option to UL94:V0
- Absorbed Glass Mat construction with no free acid
- Gas recombination
- Good recovery from deep discharge
- Operation in any orientation (excluding continuous inverted use)

**NEW**

VIEW  
PRODUCT  
ON WEBSITE



### GENERAL

Nominal Voltage:	12V
Service Life:	10 years (floating) at 20°C
Constant Voltage Charge – Standby:	2.275 VPC (20°C)
Constant Voltage Charge – Cycle:	2.42 VPC (20°C)

CODE	DESCRIPTION	DIMENSIONS (L x W x H)	WEIGHT (Kg)
PS-111924	SILVERWELL 12V 12Ah Sealed Lead Acid Battery	151 x 98 x 97.5mm	4.05
PS-111925	SILVERWELL 12V 24Ah Sealed Lead Acid Battery	166 x 175 x 125mm	9.8
PS-111926	SILVERWELL 12V 36Ah Sealed Lead Acid Battery	197 x 165 x 170mm	14.5
PS-111927	SILVERWELL 12V 70Ah Sealed Lead Acid Battery	350 x 166 x 174mm	23.3
PS-111928	SILVERWELL 12V 100Ah Sealed Lead Acid Battery	350 x 168 x 225mm	37.7



# CASE STUDY

## SOUTH AYRSHIRE COUNCIL

BLE Lighting and Power recently carried out work for South Ayrshire Council to provide a solution to replace the failed central battery system at County Buildings in Ayr. Upon inspection, the failed system was situated on the first floor with access via a staircase which created a few logistical challenges.

We supplied a 1.6KVA system which our engineers fitted and commissioned. The removed failed system was brought back to BLE to be recycled.

Our range of Single Phase Static Inverters are manufactured to a high standard, providing a cost effective integrated solution for emergency power for escape and emergency lighting systems where a minimum of 3 hours duration and less than 24 hours full recharging is required.

Our contact at South Ayrshire Council said that “The project was seamless from start to finish, and as a result we have asked BLE to provide a solution for another failed central battery system”.

BLE is committed to delivering high quality products and services and we have the technical expertise and knowledge on industry and legislative standards to ensure that we are supplying you with a fully compliant solution to meet the needs of all projects, no matter how big or small.



“The project was seamless from start to finish, and as a result we have asked BLE to provide a solution for another failed central battery system”.

South Ayrshire Council



# TAPTON

## BATTERY CABINETS

- Designed and built for battery systems
- Compact footprint and easy to assemble
- High load capacity
- Manufactured to IP21
- Manufactured from high quality steel
- Easy to assemble and disassemble
- Can be used for a wide range of battery ratings
- Rubber clad runners
- Other sizes and configurations available on request

VIEW  
PRODUCT  
ON WEBSITE



CODE	BATTERY CAPACITY	BATTERY QTY	STRUCTURE	LAYER NUMBER	DIMENSIONS (W X D X H)	WEIGHT
PS-150711	24Ah/38Ah or 65Ah/100Ah	40/32 or 16	Combination	4	780 x 470 x 1350mm	57Kg

BATTERIES & ACCESSORIES

# LINACRE

## STANDARD BATTERY RACKING

- Designed to safely accommodate all types of industrial batteries
- Designed and manufactured to be capable of supporting the requisite battery system, whilst providing adequate access for maintenance purposes
- Adjustable feet
- Acid resistant epoxy coating
- Multiple sizes of backing box available
- Racks are constructed in a terraced manner to permit easy viewing of electrolyte levels and great access for when topping up
- The relevant parts of BS6133 are used in the design of the racks
- All fasteners are supplied with insulating plastic caps and wall or floor stabilising brackets can be specified optionally
- All open racks are provided with insulating electrolyte resistant rubber capping for the support rails in compliance with EN50272-2 (2021) battery insulation.

SPEAK TO OUR TEAM  
FOR MORE DETAILS



STANDARD BATTERY  
RACKING

CLADDED VERSION  
AVAILABLE ON REQUEST



### GENERAL

Materials:	Square and rectangular hollow section steel ranging from 1.5mm to 3mm thickness Tubing for high yield strength complies with BS EN 10113: 1993: Part 1 Tubing for lower yield strength complies with BS6323 Part 5: 1982 ERW1
Coating:	Epoxy coated Satin Black (RAL9011) Minimum thickness 70µm

CODE	DESCRIPTION
PS-160801	LINACRE Standard Battery Racking

# RINGWOOD

## BATTERY ISOLATOR

- Offers protection between the inverter unit and batteries
- Protects equipment in the event of a short circuit or overload
- DC Voltage range: 192-432V



VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION	DIMENSIONS (W X H X D)
PS-201201	RINGWOOD Battery Isolator, 16A, 1 String	194 x 240 x 110mm
PS-201202	RINGWOOD Battery Isolator, 32A, 1 String	194 x 240 x 110mm
PS-201203	RINGWOOD Battery Isolator, 40A, 1 String	194 x 240 x 110mm
PS-201204	RINGWOOD Battery Isolator, 16A, 2 Strings	194 x 240 x 110mm
PS-201205	RINGWOOD Battery Isolator, 32A, 2 Strings	194 x 240 x 110mm
PS-201206	RINGWOOD Battery Isolator, 40A, 2 Strings	194 x 240 x 110mm
PS-201207	RINGWOOD Battery Isolator, 50A, 2 Strings	300 x 300 x 150mm
PS-201208	RINGWOOD Battery Isolator, 63A, 2 Strings	300 x 300 x 150mm
PS-201209	RINGWOOD Battery Isolator, 125A, 2 Strings	300 x 300 x 150mm
PS-201210	RINGWOOD Battery Isolator, 50A, 3 Strings	300 x 300 x 150mm
PS-201211	RINGWOOD Battery Isolator, 63A, 3 Strings	400 x 300 x 200mm
PS-201212	RINGWOOD Battery Isolator, 80A, 3 Strings	400 x 300 x 200mm

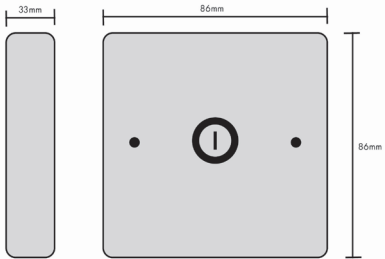


# POWER SYSTEM ACCESSORIES

Our range of accessories is designed to work seamlessly with our top-quality power systems. From Circuit Failure Monitoring Units to Bypass Switches, we offer a complete solution to support all your backup power needs.

## THORPE SEMI-AUTOMATIC TEST SWITCH

- Cost effective solution for testing luminaires
- Fail-safe method of operation
- Flush or surface mount options available
- Clear LED indication for duration test
- Choice of time settings: 10 minutes, 30 minutes, 1 hour, 3 hours
- Optional audio buzzer alert for completion of duration test
- DIN Mount option available on request



ACCESSORIES

### GENERAL

Input Voltage:	220-240V
Colour / Finish:	White
Material:	Polycarbonate
Dimensions (L x W x D):	86 x 86 x 33mm

CODE	DESCRIPTION
EL-193701	THORPE Semi-Automatic Emergency Lighting Test Switch

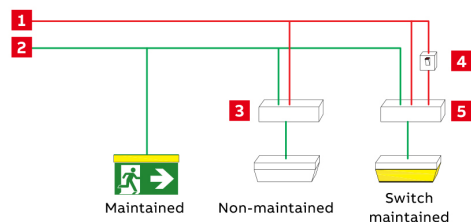
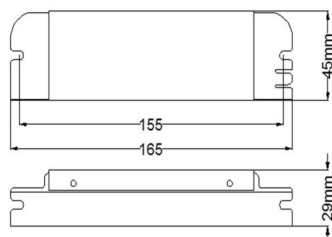
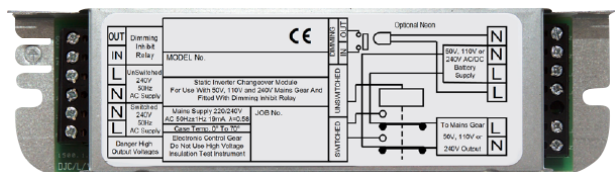
\*PRODUCT SUPPLIED MAY DIFFER FROM IMAGE SHOWN

# WHITECOTES

## CIRCUIT FAILURE MONITORING UNITS

- Static inverter changeover module
- Suitable for 50V, 110V or 230V AC or DC systems
- In the event of local sub-circuit supply failure the local emergency lighting circuit is energised (irrespective of the position of the local switch)
- Compact and easy to install
- Supplied either as a changeover module, which can be integrally mounted within the luminaire, or housed in a fire rated enclosure for remote mounting
- Emergency lighting changeover relays with an additional dimming inhibition relay that will restore a fitting that was running in a mains dimmed state, to full brightness for emergency operation
- Compatible with fluorescent and LED loads
- The associated control gear must be capable of being run from the emergency voltage

VIEW  
PRODUCT  
ON WEBSITE



### GENERAL

Emergency Voltage from Static Inverter:	50V, 110V or 240V AC (50/60Hz) or DC
Ambient Temperature (°C)	0 to +35°C
Mains Supply:	230V-240V AC 50/60Hz
Changeover Relay Rating:	3A 240V (not suitable for high in-rush currents, monitor only, not load carrying)
Power Rating:	19mA = 0.58
Dimension (L x W x D):	165 x 45 x 29mm
Module Weight:	320g

CODE	DESCRIPTION	AMPS	NO OF WAYS	REMOTE ENCLOSURE DIMENSIONS (L x W x H)
PS-170901-INV	WHITECOTES Circuit Failure Monitoring Unit, PCB with Enclosure	3 Amp	1 Way	150 x 150 x 225mm
PS-170901-LC	WHITECOTES Circuit Failure Monitoring Unit, Contactor	12 Amp	1 Way	150 x 150 x 225mm
PS-170902-INV	WHITECOTES Circuit Failure Monitoring Unit, PCB with Enclosure	3 Amp	4 Way	300 x 400 x 200mm
PS-170902-LC	WHITECOTES Circuit Failure Monitoring Unit, Contactor	12 Amp	4 Way	300 x 400 x 200mm
PS-170903-INV	WHITECOTES Circuit Failure Monitoring Unit, PCB with Enclosure	3 Amp	8 Way	800 x 600 x 200mm
PS-170904-INV	WHITECOTES Circuit Failure Monitoring Unit, PCB with Enclosure	3 Amp	12 Way	800 x 600 x 200mm
PS-170905-INV	WHITECOTES Circuit Failure Monitoring Unit, PCB with Enclosure	3 Amp	16 Way	800 x 600 x 200mm
PS-170906-INV	WHITECOTES Circuit Failure Monitoring Unit, PCB with Enclosure	3 Amp	20 Way	On application
PS-170907-INV	WHITECOTES Circuit Failure Monitoring Unit, PCB with Enclosure	3 Amp	24 Way	On application
PS-170908-INV	WHITECOTES Circuit Failure Monitoring Unit, PCB with Enclosure	3 Amp	30 Way	On application

### Sub-Circuit Monitoring & Hold-Off Relays

It is a mandatory requirement that Emergency Lighting is energised in the event of a local sub-distribution failure, not just on total building supply failure.

Hold-off & sub-circuit monitoring relays are used to energise luminaires in the case of local supply failure. They may be used to feed more than one luminaire on the same switched circuit.

Hold-off relays are required to monitor the relevant lighting supply circuits such that a failure brings on the emergency lighting luminaires automatically in the event of a local supply failure. Non-maintained luminaires are connected to a localised sub-circuit hold-off relay fed from a maintained battery system. These luminaires are only energised when the supply to the hold-off relay fails.

### Changeover Relays

The basic use of a switched maintained system is to energise the emergency lighting when required by operation of the local switched supply but automatically illuminate in the event of local sub-circuit supply failure (irrespective of the position of the local switch).

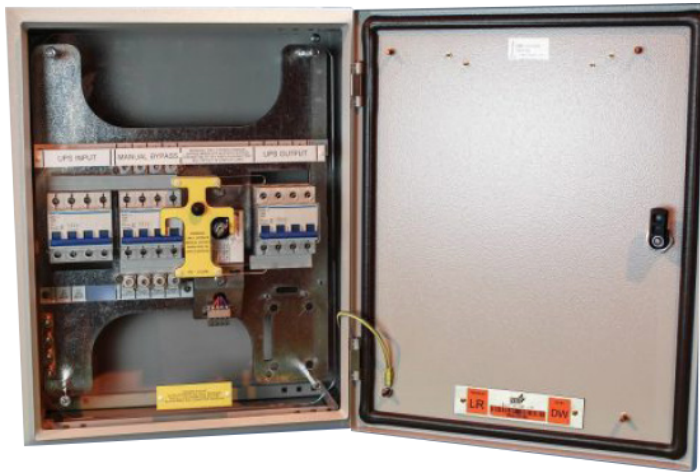
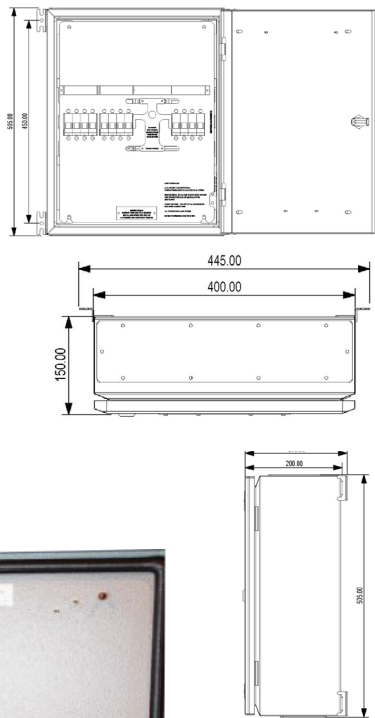
Changeover relays are compact and easy to install. When using changeover relays, switched maintained emergency luminaires are energised whenever a local switched supply is present and, automatically, when a local sub-circuit failure occurs.



# HILLTOP

## COMPACT BYPASS SWITCHES

- Perfect for small to mid-size three phase systems typically 10kVA to 40kVA
- Easy installation
- Compact size
- Top/bottom full size gland plates
- Top/bottom cable access
- Mechanical key interlock
- All labels engraved
- IP2X voltage measurement holes



VIEW  
PRODUCT  
ON WEBSITE

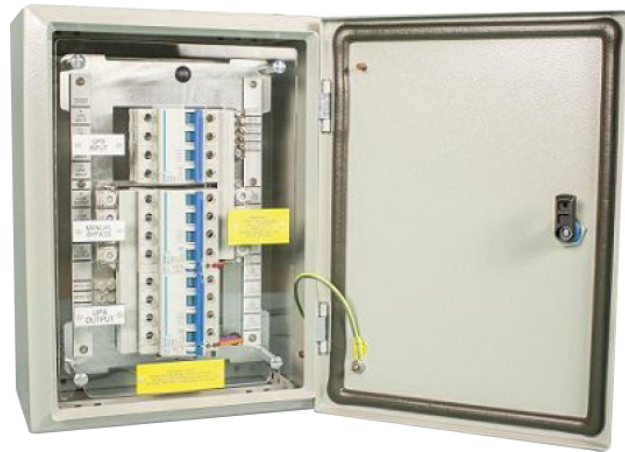
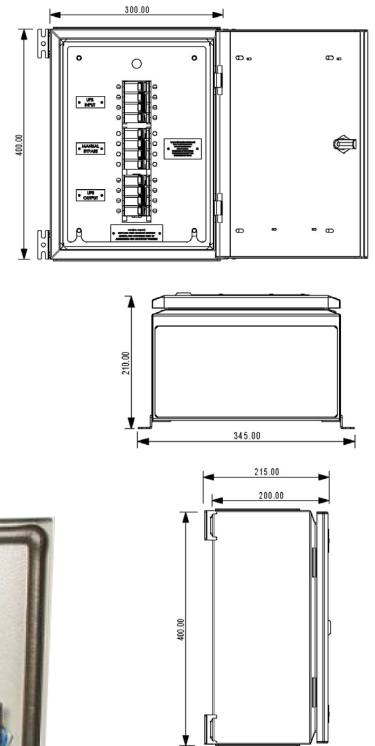


CODE	DESCRIPTION	DIMENSIONS (L X W X D)
PS-181001	HILLTOP 63A Compact Bypass Switch	505 x 445 x 150mm
PS-181002	HILLTOP 80A Compact Bypass Switch	505 x 445 x 150mm

# NETHERTHORPE

## SLIMLINE BYPASS SWITCHES

- Perfect for smaller single phase and three phase systems
- Easy installation
- Compact size
- Top/bottom full size gland plates
- Top/bottom cable access
- Aux contacts on manual bypass and UPS output
- All labels engraved
- IP2X voltage measurement holes



VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION	DIMENSIONS (L X W X D)
PS-181101	NETHERTHORPE 32A Slimline Bypass Switch, Single Phase	400 x 300 x 210mm
PS-181102	NETHERTHORPE 63A Slimline Bypass Switch, Single Phase	400 x 300 x 210mm
PS-181103	NETHERTHORPE 63A Slimline Bypass Switch, Three Phase	400 x 300 x 210mm
PS-181104	NETHERTHORPE 32A Slimline Bypass Switch, Three Phase	400 x 300 x 210mm



# UPS UNINTERRUPTIBLE POWER SUPPLY

Our Single Phase Online UPS with integrated battery is the ultimate solution for power protection. This true double conversion UPS is designed to safeguard mission-critical equipment, from sensitive networks to servers and telecommunication systems. With its pure sine wave output, it ensures reliable performance and compatibility with all types of loads.

## FREQUENTLY ASKED QUESTIONS...

### What is a static inverter?

A static inverter is an electronic device that converts DC (direct current) power into AC (alternating current) power. Static inverters are commonly used in a variety of applications, including emergency lighting backup power systems.

Static inverters typically consist of a DC input, an inverter circuit, AC output, as well as control circuitry and alarm PCBs. The DC input may come from a battery or other DC power source, and the inverter circuit uses electronic switches and other components to convert the DC power into AC power that can be used to power AC devices or equipment, such as emergency lighting.

### What is a Sealed Lead Acid Battery?

A sealed lead acid battery (SLA) is a type of rechargeable battery that uses lead and lead oxide as electrodes, and sulfuric acid as the electrolyte. As the name suggests, the battery is sealed, meaning that it does not require periodic maintenance or refilling of electrolyte like traditional lead acid batteries.

SLA batteries are commonly used in a variety of applications, including backup power systems, emergency lighting, uninterruptible power supplies (UPS), and electric vehicles. They are known for their high energy density, low self-discharge rate, and long service life.

### What is the Difference Between an Emergency Lighting Static Inverter and a UPS?

The main difference between an emergency lighting static inverter and an uninterruptible power supply (UPS) is their purpose and design specific to safety requirements.

An emergency lighting static inverter is designed to supply emergency lighting systems with power in the event of a mains failure. Static inverters are configured specifically to meet life-safety requirements, ensuring adequate lighting levels for safe evacuation, particularly in environments with complex layouts or high occupant volumes.

In contrast, a UPS provides uninterrupted power to electronic equipment, like servers and critical systems, by switching to battery power during mains failure to prevent data loss and system downtime. UPS systems prioritise speed of switchover and maintaining continuous power without interruption, often within milliseconds.

Both systems provide backup power but serve different functions, with static inverters optimised for emergency lighting to meet regulatory standards for safety and evacuation, while UPS systems are designed for data protection and equipment continuity in power-sensitive environments.

VIEW MORE ON  
OUR WEBSITE



# POOLSBROOK

## 1 KVA SINGLE PHASE ONLINE UPS WITH BUILT-IN BATTERY

- True double conversion UPS providing power to fully protect mission critical devices such as sensitive networks, small computer centres, servers and telecommunication applications
- The pure sine wave output guarantees compatibility for all types of loads
- LCD display screen with large format and easy to read interface
- Emergency power off function to secure equipment in an emergency
- Monitoring software capable of showing battery voltage, frequency, load and temperature
- Provides early-warning fault analysis on batteries enabling timely preventive maintenance

VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION
PS-221501	POOLSBROOK 1 KVA Single Phase Online UPS with Built-In Battery

### GENERAL

Capacity:	1000VA / 800W
UPS Autonomy:	7 minutes
Colour:	Black
Warranty:	1 year

### INPUT SPECIFICATION

Voltage Range - Low Line Transfer:	160V AC / 140V AC / 120V AC / 110V AC +/- 5%
Voltage Range - Low Line Come Back:	168V AC / 148V AC / 128V AC / 118V AC +/-5%
Voltage Range - High Line Transfer:	300V AC +/- 5%
Voltage Range - High Line Come Back:	290V AC +/- 5%
Frequency Range:	40-70Hz
Phase:	Single Phase with Ground
Power Factor:	≥ 0.99 @ Nominal Voltage (Input Voltage)

### OUTPUT SPECIFICATION

Output Voltage:	200 / 208 / 220 / 230 / 240V AC
AC Voltage Regulation:	+/- 1% (Battery Mode)
Frequency Range (Synchronised Range):	47-53Hz @ 50Hz / 57-63Hz @ 60Hz
Frequency Range (Battery Mode):	50Hz +/- 0.25Hz / 60Hz +/- 0.3Hz
Overload:	100-110%: audible warning 110-130%: UPS shuts down in 60 seconds at battery mode or transfer to bypass when utility is normal >130%: UPS shuts down immediately at battery mode or transfer to bypass mode when utility is normal
Current Crest Ratio:	3:1 Max
Harmonic Distortion:	≤ 3% THD (linear load); ≤ 6% THD (non-linear load)
Transfer Time: AC Mode to Battery Mode:	0ms
Transfer Time: Invert to Bypass:	4ms
Waveform (Battery Mode):	Pure Sine Wave

### EFFICIENCY

Efficiency AC Mode:	87%
Efficiency Battery Mode:	83%

### BATTERIES

Battery Type:	12V 9.0Ah
Battery Quantity:	2
Recharge Time:	4 hours recovery to 90% capacity
Charging Current:	1A Max
Charging Voltage:	41.0V DC +/- 1%
Total Battery Voltage:	24V

### ENVIRONMENT

Operation Humidity:	0-90% RH @ 0-40° C (non-condensing)
Noise Level:	Less than 50dB (A) @1M
Operating Temp:	0-40°C (battery life cycle will be shorter when temperature is above 25°C)
Operation Altitude:	<1000m

### MANAGEMENT

Smart RS232 or USB:	Windows 2000/2003/XP/Vista/2008, Windows 7/8, Linux, Unix, MAC
Optional SNMP:	Power management from SNMP manager and web browser

### DIMENSIONS & WEIGHT

Dimensions (D x W x H):	282 x 145 x 220mm
Weight:	9.4Kg

# POOLSBROOK

## 6KVA SINGLE PHASE ONLINE UPS WITH BUILT-IN BATTERY

- True double conversion UPS providing power to fully protect mission critical devices such as sensitive networks, small computer centres, servers and telecommunication applications
- The pure sine wave output guarantees compatibility for all types of loads
- LCD display screen with large format and easy to read interface
- Emergency power off function to secure equipment in an emergency
- Monitoring software capable of showing battery voltage, frequency, load and temperature
- Provides early-warning fault analysis on batteries enabling timely preventive maintenance



VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION
PS-221503	POOLSBROOK 6KVA Single Phase Online UPS with Built-In Battery

### GENERAL

Capacity:	6000VA / 4800W
UPS Autonomy:	5 minutes
Colour:	Black
Warranty:	1 year

### INPUT SPECIFICATION

Voltage Range - Low Line Transfer:	110V AC +/- 3% at 50% Load / 176V AC +/- 3% at 100% Load
Voltage Range - Low Line Come Back:	Low Line Loss Voltage +10V
Voltage Range - High Line Transfer:	300V AC +/- 3%
Voltage Range - High Line Come Back:	High Line Loss Voltage - 10V
Frequency Range:	46-54Hz @ 50Hz / 56-64Hz @ 60Hz
Phase:	Single Phase with Ground
Power Factor:	≥ 0.99 @ 100% Load

### OUTPUT SPECIFICATION

Output Voltage:	208 / 220 / 230 / 240V AC
AC Voltage Regulation:	+/- 1%
Frequency Range (Synchronised Range):	46-54Hz @ 50Hz / 56-64Hz @ 60Hz
Frequency Range (Battery Mode):	50Hz +/- 0.1Hz / 60Hz +/- 0.1Hz
Overload AC Mode:	100-110%: 10 min, 110-130%: 1 min, > 130%: 1 sec
Overload Battery Mode:	100-110%: 30 secs, 110-130%: 10 secs, >130%: 1 sec
Current Crest Ratio:	3:1 Max
Harmonic Distortion:	≤ 3% @ 100% linear load; ≤ 6% @ 100% non-linear load
Transfer Time: AC Mode to Battery Mode:	0ms
Transfer Time: Invert to Bypass:	0ms
Waveform (Battery Mode):	Pure Sine Wave

### EFFICIENCY

Efficiency AC Mode:	89%
Efficiency Battery Mode:	88%

### BATTERIES

Battery Type:	12V 7.0Ah
Battery Quantity:	16
Recharge Time:	4 hours recovery to 90% capacity
Charging Current:	Default: 1A +/- 10%, Max: 2A +/- 10%
Charging Voltage:	218.4V DC +/- 1%
Total Battery Voltage:	192V

### ENVIRONMENT

Operation Humidity:	< 95% and non-condensing
Noise Level:	< 55dB (A) @ 1M
Operating Temp:	0-40°C (battery life cycle will be shorter when temperature is above 25°C)
Operation Altitude:	<1000m

### MANAGEMENT

Smart RS232 or USB:	Windows 2000/2003/XP/Vista/2008, Windows 7/8, Linux, Unix, MAC
Optional SNMP:	Power management from SNMP manager and web browser

### DIMENSIONS & WEIGHT

Dimensions (D x W x H):	369 x 190 x 688mm
Weight:	72Kg



# POOLSBROOK

## 1KVA SINGLE PHASE RACK MOUNT / TOWER ONLINE UPS WITH BUILT-IN BATTERY

- True double conversion UPS providing power to fully protect mission critical devices such as sensitive networks, small computer centres, servers and telecommunication applications
- The pure sine wave output guarantees compatibility for all types of loads
- LCD display screen with large format and easy to read interface
- Emergency power off function to secure equipment in an emergency
- Monitoring software capable of showing battery voltage, frequency, load and temperature
- Provides early-warning fault analysis on batteries enabling timely preventive maintenance
- This unit offers a unique design allowing it to be used as either a rack mount or tower design due to the freely rotating 90° LCD display screen and multi-functional tower base brackets

VIEW  
PRODUCT  
ON WEBSITE



CODE	DESCRIPTION
PS-221502	POOLSBROOK 1KVA Single Phase Rack Mount / Tower Online UPS with Built-In Battery

### GENERAL

Capacity:	1000VA / 800W
UPS Autonomy:	7 minutes
Colour:	Black
Warranty:	1 year

### INPUT SPECIFICATION

Voltage Range - Low Line Transfer:	160V AC / 140V AC / 120V AC / 110V AC +/- 5%
Voltage Range - Low Line Come Back:	168V AC / 148V AC / 128V AC / 118V AC +/- 5%
Voltage Range - High Line Transfer:	300V AC +/- 5%
Voltage Range - High Line Come Back:	290V AC +/- 5%
Frequency Range:	40-70Hz
Phase:	Single Phase with Ground
Power Factor:	≥ 0.99 @ Nominal Voltage (Input Voltage)

### OUTPUT SPECIFICATION

Output Voltage:	200 / 208 / 220 / 230 / 240V AC
AC Voltage Regulation:	+/- 1% (Battery Mode)
Frequency Range (Synchronised Range):	47-53Hz @ 50Hz / 57-63Hz @ 60Hz
Frequency Range (Battery Mode):	50Hz +/- 0.25Hz / 60Hz +/- 0.3Hz
Overload:	100-110%: audible warning 110-130%: UPS shuts down in 60 seconds at battery mode or transfer to bypass when utility is normal >130%: UPS shuts down immediately at battery mode or transfer to bypass mode when utility is normal
Current Crest Ratio:	3:1 Max
Harmonic Distortion:	≤ 3% @ 100% linear load, ≤ 6% @ 100% non-linear load
Transfer Time: AC Mode to Battery Mode:	0ms
Transfer Time: Invert to Bypass:	4ms

### EFFICIENCY

Efficiency AC Mode:	87%
Efficiency Battery Mode:	83%

### BATTERIES

Battery Type:	12V 9.0Ah
Battery Quantity:	2
Recharge Time:	4 hours recovery to 90% capacity
Charging Current:	1A Max
Charging Voltage:	41.0V DC +/- 1%
Total Battery Voltage:	24V

### ENVIRONMENT

Operation Humidity:	< 95% and non-condensing
Noise Level:	Less than 50dB (A) @ 1M
Operating Temp:	0-40°C (battery life cycle will be shorter when temperature is above 25°C)
Operation Altitude:	<1000m

### MANAGEMENT

Smart RS232 or USB:	Windows 2000/2003/XP/Vista/2008, Windows 7/8, Linux, Unix, MAC
Optional SNMP:	Power management from SNMP manager and web browser

### DIMENSIONS & WEIGHT

Dimensions (D x W x H):	380 x 438 x 88mm
Weight:	13Kg



# CAR CHARGERS

Discover our versatile Electric Car Chargers, ideal for both commercial and residential use, indoors and outdoors. The GRASSMOOR charger easily fits into any UK 3-pin power socket, offering the convenience of charging your car wherever you are.

## GRASSMOOR PORTABLE ELECTRIC CAR CHARGER

- Plugs directly into a UK 3-pin power socket, making charging your car from anywhere simple and convenient
- Adjustable current version
- LED indicator and LCD display
- Current leakage protection
- High quality PC and anti-UV
- Portable, plug and play
- Charging status indicator
- IEC 62196-2 charging plug and 4.5M cable

VIEW  
PRODUCT  
ON WEBSITE



### GENERAL

Input Voltage:	220-240V
Frequency:	50Hz
Input Current:	16A
Output Current	8/10/13/16A
Operating Temperature:	-30 to +50°C
Humidity:	Max 95% RH
Altitude:	≤ 2000M
IP Rating	IP65
Cooling Method:	Natural Cooling
Charging Outlet:	4.5M Charging Cable
Charging Interface:	IEC 62196-2, Type 2 Plug
RCD:	DC6mA
Multiple Protection:	Over current, under voltage, over voltage, residual current, surge protection, short circuit, over temperature, ground fault, current leakage protection
Certificate:	IEC 61851
Dimension (L x W x D):	200 x 100 x 57mm
Cable Length:	4.5M
Weight:	2.7Kg

CODE	DESCRIPTION
PS-211301	GRASSMOOR Portable Electric Car Charger

## HIGHFIELD

### ELECTRIC CAR CHARGER

- Ideal for indoor or outdoor use making EV charging easy, reliable and cost effective
- It has a IEC 62196-2 compliant type 2 plug with a 5M cable
- Pure PC material
- Anti-UV treatment
- IK08 and IP54 enclosure
- 32A to 16A by switch, 32A to 6A by TCP server
- LAN standard, WI-FI
- 4.3" LCD screen for better user experience
- OCPP 1.6J, successfully connected with 30+ global EVC platforms

VIEW  
PRODUCT  
ON WEBSITE



#### GENERAL

Input Voltage:	220-240V
Frequency:	50Hz
Maximum Power Output:	7kW
Operating Temperature:	-30 to +50°C
Humidity:	Up to 95% non-condensing
IP Rating:	IP54
Charging Interface:	IEC 62196-2 Compliant, Type 2 Socket or Plug
RCD:	DC6mA
Multiple Protection:	UVP, OVP, RCD (DC 6mA), SPD, Ground Fault Protection OCP, OTP, Control Pilot Fault Protection
Certificate:	IEC 61851-1, IEC 61851-21-2
Dimensions (L x W x D):	350 x 250 x 130mm
Cable Length:	5M
Weight Cable:	5.2Kg
Weight Socket:	3.7Kg
Warranty:	1 year

CODE	DESCRIPTION
PS-211401	HIGHFIELD Electric Car Charger – Commercial Use

## HIGHFIELD

### ELECTRIC CAR CHARGER

- Ideal for indoor or outdoor use making EV charging easy, reliable and cost effective
- It has a IEC 62196-2 compliant type 2 plug with a 5M cable
- Pure PC material
- Anti-UV treatment
- IK08 and IP54 enclosure
- 32A to 16A by switch, 32A to 6A by TCP server
- Wi-Fi & Bluetooth

VIEW  
PRODUCT  
ON WEBSITE



#### GENERAL

Input Voltage:	220-240V
Frequency:	50Hz
Maximum Power Output:	7kW
Operating Temperature:	-30 to +50°C
Humidity:	Up to 95% non-condensing
IP Rating:	IP54
Charging Interface:	IEC 62196-2 Compliant, Type 2 Socket or Plug
RCD:	DC6mA
Multiple Protection:	UVP, OVP, RCD (DC 6mA), SPD, Ground Fault Protection OCP, OTP, Control Pilot Fault Protection
Certificate:	IEC 61851-1, IEC 61851-21-2
Dimensions (L x W x D):	355 x 250 x 112mm
Cable Length:	5M
Weight Cable:	4.8Kg
Weight Socket:	5.8Kg
Warranty:	1 year

CODE	DESCRIPTION
PS-211402	HIGHFIELD Electric Car Charger – Residential Use

# IP RATING

## CHART

The IP Rating system provides a means of classifying the degrees of protection from solids and liquids afforded by electrical equipment and enclosures. They are represented by combining the first and second digits of the following columns. See example below.

FIRST DIGIT - SOLID OBJECTS		SECOND DIGIT - LIQUIDS	
Degree of protection against solid objects		Degree of protection against water	
1	Protected against a solid object greater than 50mm such as a hand.	1	Protected against vertical falling drops of water. Limited ingress permitted.
2	Protected against a solid object greater than 12.5mm such as a finger.	2	Protected against vertical falling drops of water with enclosure tilted up to 15 degrees from the vertical. Limited ingress permitted.
3	Protected against a solid object greater than 2.5mm such as a screwdriver.	3	Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted.
4	Protected against a solid object greater than 1mm such as a wire.	4	Protected against water splashes from all directions. Limited ingress permitted.
5	Dust protected. Limited ingress of dust permitted. Will not interfere with operation of the equipment.	5	Protected against jets of water. Limited ingress permitted.
6	Dust tight. No ingress of dust.	6	Protected against powerful jets of water. Limited ingress permitted.
		7	Watertight against the effects of immersion in water between 15cm and 1m for 30 minutes.
		8	Watertight against the effects of immersion in water under pressure for long periods.

IP65

# IK RATING

## CHART

The IK Rating system is an international standard that indicates how resistant a product is to impact. See example below.

IK Number	Energy	Equivalent Impact
00	Non-protected	Non-protected
01	Protected against 0.14 joules impact	Equivalent to impact of 0.25kg mass dropped from 56mm above impacted surface
02	Protected against 0.2 joules impact	Equivalent to impact of 0.25kg mass dropped from 80mm above impacted surface
03	Protected against 0.35 joules impact	Equivalent to impact of 0.25kg mass dropped from 140mm above impacted surface
04	Protected against 0.5 joules impact	Equivalent to impact of 0.25kg mass dropped from 200mm above impacted surface
05	Protected against 0.7 joules impact	Equivalent to impact of 0.25kg mass dropped from 280mm above impacted surface
06	Protected against 1 joules impact	Equivalent to impact of 0.25kg mass dropped from 400mm above impacted surface
07	Protected against 2 joules impact	Equivalent to impact of 0.5kg mass dropped from 400mm above impacted surface
08	Protected against 5 joules impact	Equivalent to impact of 1.7kg mass dropped from 300mm above impacted surface
09	Protected against 10 joules impact	Equivalent to impact of 5kg mass dropped from 200mm above impacted surface
10	Protected against 20 joules impact	Equivalent to impact of 5kg mass dropped from 400mm above impacted surface



# EXIT LEGENDS

## EXPLAINED

It is not enough that a safety sign can be seen. It is essential that each sign is quickly understood and that an installation of signs quickly and clearly conveys their intention and continues to confirm the message.

Research has identified that the key requirements for an acceptable safety sign are:-

- **Conspicuity:** The capacity of a sign to stand out or be distinguishable from its surroundings and thus be readily discovered by the eye. It is the noticeable contrast between a sign and its background, attributed to an exogenous (unplanned) or endogenous (planned) mind-set, with the display having features that attract attention to the sign. Conspicuity is considered a subjective outcome.
- **Visibility:** The physical attributes of a sign and its contents that allow for detection at a given distance, although legibility may be uncertain. Visibility is considered an objective stimulus.
- **Legibility:** The physical attributes of a sign that allow for differentiation of its letters, words, numbers, or graphics and that directly relate to an observer's visual acuity. Legibility is considered an objective stimulus.
- **Understandability:** That which enables the observer to correctly perceive the information content of letters, numbers or symbols grouped together, or other meaningful relationships on the sign. Understandability is the character of a sign that leads to comprehension of its intended message, and depends on legibility and other considerations of contents and time restraints. It is considered a subjective outcome.

### ICEL Recommendation for the UK – BS EN ISO 7010 Format



### European Signs Directive Format – EU Adopted 92/58/EEC



For the full version of the ICEL Technical Statement,  
please visit [www.thelia.org.uk](http://www.thelia.org.uk)

# EMERGENCY LIGHTING

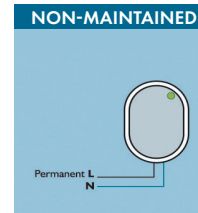
## CHECKLIST

When luminaires have been sited to cover the locations below, additional luminaires may be required to ensure minimum lighting levels are achieved.

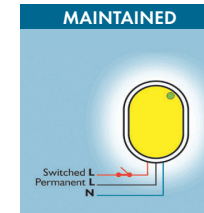
Escape route corridors etc: 1 lux minimum on the centre line escape route.

Open areas: 0.5 lux minimum in the central core to within 0.5m of the walls.

Exit signs: Should apply to either BS EN ISO 7010 or the European Signs Directive and be either back illuminated or have an emergency luminaire within 2m of horizontal height. Signs should be the same format throughout the building.



The lighting only operates when the normal mains supply fails (emergency lighting only).

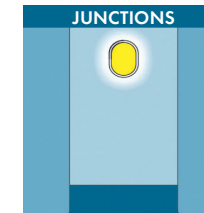


The lighting operates normally and continues to operate when the normal mains supply fails (mains lighting and emergency lighting).

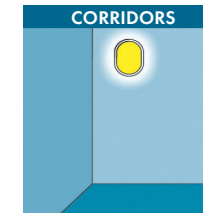
This guide should be used in conjunction with the nationally recognised standards and should not be used solely as a demonstration of compliance.



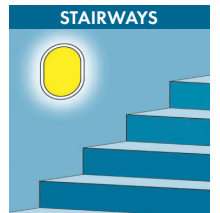
Panic bars, locks etc need to be illuminated to allow them to be easily seen and operated.



The luminaire must illuminate in both directions at the change of direction or intersection.



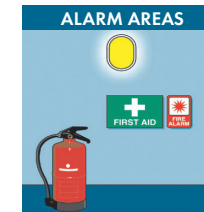
The luminaire must illuminate in both directions at the change of direction or intersection.



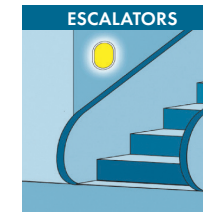
Install within 2 metres horizontal distance of change in floor level or stairs (each tread to receive direct light).



Install externally within 2m horizontal distance of any final exits. Sufficient light will be needed to muster a roll call.



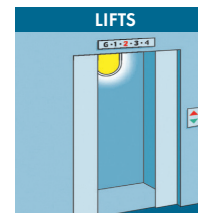
Fire alarms, first aid points and fire-fighting equipment, install within 2 metre horizontal distance.



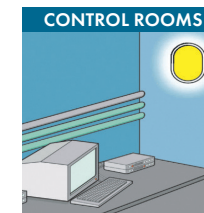
Should not be used as an escape route but requires the same illumination to protect users on it when the supply fails.



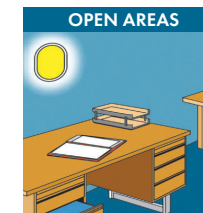
Disabled toilets or multiple 'closets' without borrowed light should have at least one luminaire.



To provide emergency illuminations in all lifts.



Motor generator, control and plant rooms for essential and safety services.



Open rooms either with a particular hazard, an escape route passing through or larger than 60m<sup>2</sup>.



Areas of high risk should be illuminated to 10% of normal lighting or 15 lux, whichever is greater.

# BLE LIGHTING AND POWER LTD CONDITIONS OF SALE

## 1. GENERAL

In these conditions ‘the company’ means [BLE Lighting & Power Limited] (company number 00934071), and ‘the registered office’ means the registered office for the time being of the company. The ‘Buyer’ means a company, firm or person who places an order with the company or accepts the quotation or tender provided by the company for the manufacture and or supply of any goods.

## 2. THE COMPANY’S CONDITIONS

a) These terms and conditions shall apply to all contracts for the sale of goods entered into by the company to the exclusion of all other terms and conditions that the Buyer seeks to impose or incorporate, or which are implied by trade, custom, practice, course of dealing or whether express or implied by law or other means.

b) No variation of or additions to these terms and conditions shall be binding upon the company unless expressly accepted by the company in writing under the hand of an authorised official of the company.

c) Where the company agrees to provide an installation and/or commissioning service in addition to the sale of goods, these conditions shall apply to the part of the transaction relating to the sale of goods only; installation, commissioning and/or servicing shall be governed by a separate set of conditions.

## 3. ACCEPTANCE

### Either:

a) Unless previously withdrawn by the company (in writing), quotations and tenders are open for acceptance by the Buyer for the period stated therein or if no specific period is stated then the period shall be within thirty (30) days from the date thereof. Acceptance by the Buyer shall be in writing and subject to these conditions, the date of acceptance shall be the point the contract for the sale of goods shall come into existence.

### Or:

b) All orders must be in writing and must be accompanied by sufficient information to enable the company to proceed without delay with the execution of the order. Orders shall not be binding upon the company (they shall be considered only as ‘offers’) unless accepted by the company in writing and shall be deemed to be subject to these conditions. The Order shall only be accepted when the Seller issues a written acceptance of the Order (“Order Acceptance”), the date of the Order Acceptance shall be the point the contract for the sale of goods shall come into existence.

## 4. SPECIFICATIONS AND PERFORMANCE

a) The quantity, quality, design, materials used and description of and any specification for the goods shall be those set out in the company’s quotation or tender, or alternatively, as contained in the company’s Order Acceptance to the Buyer’s order. The company reserves the right to change the design, materials used and specification of the goods to conform with any applicable change in legislation, for commercial reasons (acting reasonably) and/or as the market requires from time to time.

b) Subject to clause 4(c), the company warrants that the goods will be of satisfactory quality and the company has used reasonable skill and care in the design of the goods.

c) The warranty in clause 4(b) is subject to the following conditions:

i) the company shall be under no liability in respect of any defect in the goods arising from or in connection with any drawing, design, information, data, or specification supplied by the Buyer (or any third party acting on behalf or on instruction of the Buyer).

ii) the company shall be under no liability in respect of defects in the goods due to the company’s design so far as it proves that the company has used reasonable skill and care to ensure that the design complied with the information provided by the Buyer (or any third party acting on behalf or on instruction of the Buyer);

iii) the company shall be under no liability in respect of any defect arising from deliberate default, wilful misconduct, wilful damage or negligence of the Buyer (or any third party acting on behalf or on instruction of the Buyer), abnormal working conditions, failure to follow the company’s instructions (whether oral or in writing), misuse, alteration or repair of the goods (except where such alteration or repair is carried out by the company);

iv) the above warranty does not extend to parts, materials, equipment or to items not supplied by the company and/or goods that have been serviced or maintained by the Buyer or any third party (other than the company or other third party instructed by the company to act on behalf of the company); and

v) the warranty does not extend to any defect, loss and/or damage arising from any works or services completed by or on behalf of the Buyer by the Buyer or any third party (with the exception of any works or services carried out or commissioned by the company).

d) In the event that any information provided by the Buyer (or any third party acting on behalf of or on the instruction of the Buyer) in relation to the quantity, quality, design, materials used, description and/or specification (including, but not limited to, measurements, fittings, fittings and/or fabric of the building/structure for the installation) of the goods is incorrect, insufficient and/or

inaccurate, the Buyer shall indemnify and keep indemnified the company against all actions, proceedings, costs, claims, demands, liabilities, harm, losses, expenses, interest, deductions, penalties, damages, commercial disadvantage and/or any other liability whatsoever or howsoever caused arising from or in connection with the information provided. For the avoidance of doubt, the Buyer shall be liable to pay for the goods supplied in accordance with the order, Order Acceptance, quotation and/or tender.

e) Other than as set out in these conditions, all warranties, conditions, and other terms implied by law (statutory or otherwise), are hereby excluded to the fullest extent permitted by law.

f) The company reserves the right to change its specifications from time to time without prior notice to the Buyer as conditions warrant.

g) Any performance data, instructions, or advice as to the suitability or use of goods given in the company’s literature or included in the company’s quotations, tender, Order Acceptance and/or elsewhere shall not form part of this contract unless specifically stated so to do in writing by the company.

h) Any timescales given by either party in relation to the manufacture and/or delivery of Goods are for information only and not intended to be relied upon. Any timescales given are not: terms of the contract, warranted, conditional or guaranteed by the company

## 5. PRICE

a) All prices include only such goods, accessories and work as are specified in the Order Acceptance, tender or quotation (as applicable) and are for the quantities expressed in conjunction with them. Any variation in quantity must be agreed in writing and may entail the company varying the price of the goods.

b) All prices are subject to revision or withdrawal without notice.

c) All prices in respect of orders for forward delivery are subject to the company’s right to vary them.

d) All prices are quoted ex works unless otherwise agreed.

e) All prices are subject to VAT at the appropriate rate, if applicable.

f) At any time before delivery has been completed the company shall be entitled to vary the price of the goods to take into account of all or any of the following factors:

i) where goods are imported, any variation of the official currency, exchange rates or special taxes or charges imposed by any government.

ii) increased costs resulting from the prohibition or other actions of any government.

iii) increased labour costs.

iv) increased material costs; and

v) variation in the rate of VAT or any other tax and/or levee due.

g) The company reserves the right not to manufacture, deliver and/or supply any goods to the Buyer in the event the company has not received full and clear payment of funds for the goods and/or any other costs owed by the Buyer. The company shall not be liable in any way for any actions, proceedings, costs, claims, demands, liabilities, harm, losses, expenses, interest, deductions, penalties, damages and/or commercial disadvantage (including any direct, indirect or consequential losses, loss of profit/savings, loss of reputation, any interest, penalties and/or other costs and expenses suffered or incurred (whether actual or anticipated)) that the Buyer incurs or may incur in the future of any type whatsoever and howsoever caused by or in connection with any delay to manufacture, deliver and/or supply any goods where the Buyer’s has failed to pay any amount due to the company.

h) All invoiced price discrepancies and/or any disputed sum must be notified by the Buyer to the company in writing within five (5) working days of the date of the invoice. If the Buyer does not notify the company of a price discrepancies and/or any disputed sum within five (5) working days, the Buyer shall be deemed to have accepted the invoice.

## 6. CARRIAGE AND METHOD OF FREIGHT

Orders, quotations, and tenders for delivery of goods within or outside the United Kingdom will be subject to an additional delivery charge unless otherwise agreed in writing between the company and the Buyer.

## 7. DELIVERY

a) The company shall not be liable for in any way for any actions, proceedings, costs, claims, demands, liabilities, harm, losses, expenses, interest, deductions, penalties, damages and/or commercial disadvantage (including any direct, indirect or consequential losses, loss of profit/savings, loss of reputation, any interest, penalties and/or other costs and expenses suffered or incurred (whether actual or anticipated)) that the Buyer incurs or may incur in the future of any type whatsoever and howsoever caused by or in connection with any delay in delivering the goods or by their nondelivery whether or not time of delivery is or shall have been made of the essence of the contract.

b) It is the Buyer’s duty to inform the company regarding delivery dates and arrangements in advance and to provide due warning and notice of any change in respect of such arrangements. If by reason of the Buyer’s default, unreasonable expectation or failure to notify, goods have not been taken up or delivered by the agreed delivery date the company may at its discretion (without prejudice to its

rights to claim damages) suspend delivery of the goods or treat the contract as repudiated with regard to those goods, or store the goods at the expense of the Buyer until they are taken up, or do any combination of the foregoing.

c) The company reserves the right to make a reasonable charge for storage if the delivery instructions are not provided by the purchaser within three (3) working days of a request by the company for such instructions.

## 8. RETENTION OF TITLE AND PASSING OF RISK

a) The company shall retain title to and ownership of the goods until it has received payment in full in cash or cleared funds of all sums due for the goods supplied.

b) Until full payment of the all the sums due:

i) the Buyer shall be the bailee of the goods for the company and the goods shall be stored separately from any goods which belong to the Buyer or any third party and shall be clearly marked and readily identifiable as being the company property.

ii) the Buyer shall not permit the goods to be charged or encumbered in any way whether by operation of law or otherwise.

c) The Buyer grants to the company an irrevocable licence at any time to enter on any premises owned or controlled by the Buyer to inspect (or, where the Buyer’s right to possession of the goods has terminated, to remove and recover) any goods located there to which the company retains title under this Clause 8.

d) If the Buyer fails to make any payment to the company when due under these conditions compounds with its creditors, executes an assignment for the benefit of its creditors, has a bankruptcy order made against it or, being a company, enters into voluntary or compulsory liquidation or has an administrator or administrative receiver or receiver appointed over all or part of its assets or takes or suffers any similar action in consequence of debt or becomes insolvent or if the company has reasonable cause to believe that any of these events is likely to occur, the Buyer’s right to possession of the goods shall terminate immediately and the company shall have the right, without prejudice to any other remedies:

i) to enter without prior notice any premises where goods owned by it may be, and to repossess and dispose of any goods owned by it so to discharge any sums owed to it by the Buyer pursuant to the contract and these conditions.

ii) to require the Buyer not to resell or part with possession of any goods owned by the company until the Buyer has aid in full all sums owed by it to the company pursuant to the contract and these conditions; and

iii) to withhold delivery of any undelivered goods and stop any goods in transit to the Buyer and recover them.

e) Unless the company expressly elects otherwise, any contract between it and the Buyer for the supply of goods shall remain in existence notwithstanding (but subject to) any exercise by the company of its rights under this Clause 8.

f) Except as otherwise provided in these conditions, the risk of loss or damage to the goods shall pass to the Buyer upon delivery of the goods.

g) Once risk in the goods has passed to the Buyer in accordance with Clause 8(e) or otherwise, the goods shall be and remain at the Buyer’s risk at all times unless and until the company has retaken possession of them. The Buyer shall keep the goods in a satisfactory condition and shall insure the goods against all normal risks with a reputable insurer. The company shall be entitled to have produced to it evidence that such insurance is in place and provide appropriate cover. The Buyer shall hold in trust for the company any monies received in respect of the goods under any such insurance policy.

## 9. PAYMENT

a) Payment shall be made before the expiration of thirty (30) days from the date of invoice or in accordance with other terms notified to the Buyer and shall be without deductions. In default of payment on the due date specified in the invoice the company, without prejudice to its rights hereunder may charge the buyer interest on overdue accounts at the rate of 5% over bank rate for the time being or 15% whichever the greater. The company shall at its discretion (without prejudice to the company’s right to treat the contract as repudiated and claim damages) be entitled to withhold dispatch of goods until all monies owing to it by the Buyer shall be paid in full. Without prejudice to any other provision of these conditions the company may in its absolute discretion if doubts arise as to the Buyer’s solvency suspend deliveries hereunder until satisfactory security has been given for due performance by the Buyer of its obligations hereunder.

b) No specific terms of payment will be operative unless confirmed in writing by a director of the company.

c) Custom-Built Systems – Payment Terms:

i) A deposit of 30% of the total order value is payable at the time of order placement.

ii) A further payment of 30% is required prior to the dispatch of goods to the site.

iii) An additional 25% is due upon completion.

iv) The remaining 15% shall be payable within 30 days of completion.

## 10. CURRENCY AND PLACE OF PAYMENT

All payments must be made in sterling to the company at its registered office or its nominated bank account.

## 11. DESPATCH IN LOTS

The company shall have the right to despatch any portion of the goods covered by the contract and to invoice the Buyer for such portion so despatched on the same terms and conditions set forth herein.

## 12. LOSS OR DAMAGE IN TRANSIT AND NON-DELIVERY OF THE GOODS

a) No responsibility or liability will be accepted by the company whatsoever or howsoever caused:

i) for any shortage, loss or damage occurring in transit except where the company has organised transport and the Buyer makes a claim in writing providing full particulars on both the carrier and the company at its registered office within three (3) working days of receipt of the goods;

ii) for non-delivery of the goods except where the company has organised transit and the Buyer makes a claim in writing providing full particulars on both the carrier and the company at its registered office not less than three (3) and not more than five (5) working days after the expected date of delivery provided in the company’s delivery advice note; and/or

iii) where goods are collected by the Buyer or any third party acting on behalf or on instruction of the Buyer, no claim for shortages, loss or damage will be considered.

b) If on investigation into a claim for any shortage, loss or damage occurring in transit or non-delivery of goods where the company has organised transit, the company finds that a claim for shortage, loss or damage or non-delivery is incorrect, false or misleading, the Buyer shall pay any and all costs and expenses incurred by the company in investigating and establishing such claim is incorrect, false or misleading on an indemnity basis (including, but not limited to, administration charges, staff time, legal fees, flights, accommodation and subsistence costs).

c) Any claim by the Buyer which is based on any defect in the quality or condition of the goods or their failure to correspond with the specification shall be notified to the company within seven (7) days from the date of delivery or, where the defect was not apparent on reasonable inspection, within a reasonable time after discovery of the defect and the company shall be entitled to replace or repair the goods free of charge (or, at the company’s sole discretion, refund to the Buyer the price of the goods (or a proportionate part of the price), but the company shall have no further liability to the Buyer whatsoever. If the Buyer does not notify the company accordingly, the Buyer shall not be entitled to reject the goods and the company shall have no liability for such defect or failure, and the Buyer shall be bound to pay the sums due as if the goods had been commissioned in accordance with the contract and these conditions.

## 13. RETURN OF GOODS

In no circumstances may goods supplied be returned without the Buyer having first applied for and obtained the written consent of the company. A handling charge may be deducted from any credit allowed by the company where the goods returned are not in the original packaging, of a resalable condition or where it is established that the reason for the return of the goods was not the subject of clause 12 hereof or due to any error on the part of the company.

## 14. CANCELLATION

Any order may be cancelled or varied by the Buyer only with the consent of the company and on payment of reasonable cancellation or variation charges. Such charges shall take into account expenses incurred and commitments made by the company and all other losses due to such cancellation or variation. Cancellation cannot be accepted for purpose-built goods.

## 15. FORCE MAJEURE

The company shall not be in breach of the contract or these conditions nor liable for delay in performing, or failure to perform, any of its obligations under the contract or these conditions if such delay or failure results from events, circumstances or causes beyond its reasonable control, and in such circumstances the company shall be entitled to a reasonable extension of the time for performing such obligations. In the event of a period of continuous delay or failure to perform of more than three (3) calendar months, the Buyer may elect to cancel the contract in accordance with the cancellation provisions contained in these conditions or allow the order to remain on the company’s books and to be completed at some later date at an adjusted price. Where the Buyer elects to withhold the order to remain on the books, the Buyer may at a later date elect to cancel the order subject to the said cancellation terms set forth herein.

## 16. GUARANTEE AND LIMITATION OF LIABILITY

a) The Buyer shall have the benefit of and be subject to such product guarantee as the company from time to time provides and the Buyer is deemed to have full knowledge of the terms of such guarantees, copies of which will be supplied by the company on request and which are subject always to the Buyer maintaining the goods supplied in accordance with the company’s instructions.

b) All goods supplied by the company must be checked on delivery and before installation. After installation, the function of the goods supplied must be rechecked before the Buyer sets in operation safety systems of which the goods supplied form a part.

c) In the event of the Buyer not holding himself out as acquiring the goods in the course of business and not acquiring them in the course of business, clause 15 hereof does not and will not affect his statutory rights.

d) Subject to this Clause 16, the company’s liability for any actions, proceedings, costs, claims, demands, liabilities, harm, losses, expenses, interest, deductions, penalties, damages and/or commercial disadvantage and/or any other liability

arising out of the performance or non-performance by the company of its obligations under the contract and these conditions (whether by virtue of negligence or otherwise) shall be limited up to a maximum of 100% of the price paid for the relevant Goods supplied to the Buyer under the relevant Order Acceptance, quotation or tender (excluding carriage costs and VAT).

e) The company shall have no liability to the Buyer for any actions, proceedings, costs, claims, demands, liabilities, harm, losses, expenses, interest, deductions, penalties, damages, commercial disadvantage and/or any other liability that the Buyer incurs or may incur in the future of any type whatsoever and howsoever caused by or in connection with performance or non-performance by the company of any of its obligations under these conditions (whether by virtue of negligence or otherwise) which falls within any of the following categories:

- any implied warranty and/or condition;
- loss of business opportunity.
- loss of anticipated savings.
- loss of profit (whether actual or anticipated).
- loss of data, equipment, or property.
- economic loss.
- loss of interest or revenue.
- damage to goodwill.
- loss or damage suffered by third parties; or
- indirect, consequential, or special loss or damage of any nature.
- Nothing in these conditions shall limit the company’s liability to the Buyer for: i) death or injury resulting from the company’s negligence.
- fraud or fraudulent misrepresentation.
- any matter, liability for which the company cannot legally limit or exclude or attempt to limit or exclude.

## 17. CONSEQUENTIAL LOSS

The Buyer shall indemnify and keep indemnified the company against all actions, proceedings, costs, claims, demands, liabilities, harm, losses, expenses, interest, deductions, penalties, damages, commercial disadvantage and/or any other liability whatsoever whether arising in tort (including negligence and statutory duty) default or breach of the contract or these conditions, or the goods or their storage, installation, use, operation or maintenance, save where the same is caused solely by the negligence of the company. If the company in its absolute discretion chooses to use alternate materials or parts, a substitute deemed by the company to be suitable for the intended purpose will be supplied if available and shall be accepted by the Buyer in full satisfaction and performance of the contract or that part thereof for which it is a substitute as the case may be. In the event that the company is unable to obtain a satisfactory substitute for unavailable materials or parts, the company’s obligations to complete performance of the contract shall upon notification in writing to the Buyer be suspended until such times as the unavailable material or parts or a suitable substitute becomes available, and the price shall be adjusted accordingly.

## 18. SUBSTITUTIONS

If the company in its absolute discretion chooses to use alternate materials or parts, a substitute deemed by the company to be suitable for the intended purpose will be supplied if available and shall be accepted by the Buyer in full satisfaction and performance of the contract or that part thereof for which it is a substitute as the case may be. In the event that the company is unable to obtain a satisfactory substitute for unavailable materials or parts, the company’s obligations to complete performance of the contract shall upon notification in writing to the Buyer be suspended until such times as the unavailable material or parts or a suitable substitute becomes available, and the price shall be adjusted accordingly.

## 19. ENTIRE AGREEMENT CLAUSE

Any terms and/or conditions set out in the Buyer’s enquiries, purchase orders or communications are excluded from the contract and these conditions. These conditions and the contract constitute the entire agreement between the parties and supersedes and extinguishes all previous drafts, agreements, arrangements, and understandings between them, whether written or oral, relating to its subject matter. Each party acknowledges that in entering into these conditions and the contract it does not rely on, and shall have no remedies in respect of, any representation or warranty (whether made innocently or negligently) that is not set out in these conditions and the contract. No party shall have any claim for innocent or negligent misrepresentation based upon any statement in this condition and the contract.

## 20. INDEPENDENT STATUS

The Buyer is an independent contractor, and nothing shall constitute the creation, establishment or relationship of partnership, agency, joint venture or employer and employees between the parties.

## 21. SUB-CONTRACTING

The company shall be free to employ sub-contractors to manufacture any goods or part thereof to be supplied hereunder or to perform any of the company’s obligations hereunder.

## 22. OVERSEAS SALES

In the case of overseas sales, the Buyer shall be solely responsible for complying with any legislation or regulations governing the importation of the goods or the payment of any duties, levies, or other sums of money on such importation.

## 23. TERMINATION

a) A party (the “Non-defaulting Party”) may by notice to the other party (the “Defaulting Party”) terminate this Agreement with immediate effect if:

i) the Defaulting Party fails to pay on amount due under the contract and these conditions within 10 Days of the final date for payment set out in Clause 9.

ii) the Defaulting Party is in material breach of any provision of the contract and these conditions which is not remediable or, if remediable, is not remedied

with a period of 14 days after the Non-Defaulting Party has given notice to the Defaulting Party requiring such breach to be remedied.

iii) the Defaulting Party’s financial position is such that either the Defaulting Party, its directors, shareholders or creditors take or are entitled to take steps to institute formal insolvency proceedings with respect to the Defaulting Party of a type provided for by the Insolvency Act 1986 (or any similar or analogous legislation, whether under English law or otherwise), including without limitation administration, liquidation, administrative receivership, receivership, voluntary arrangement, scheme of arrangement or bankruptcy, or if the Defaulting Party is unable to pay its debts within the meaning of section 123 of the Insolvency Act 1986; and/or

iv) the Defaulting Party appears to the Non-Defaulting Party to be unable to pay his debts (whether within the meaning of section 268 of the Insolvency Act 1986, or upon any other reasonable grounds including without limitation where a debt owing by the Defaulting Party to the Non-Defaulting Party or to a third party has become due and payable and has not been met on the due date therefor), or presents his own or has presented against him in bankruptcy petition or a bankruptcy order is made against him, or the Defaulting Party takes any formal step to implement an individual voluntary arrangement (within the meaning of the Insolvency Act 1986).

b) Any termination of the contract for any reason shall not affect any accrued rights or liabilities of either party whether under statute, in contract tort or otherwise, nor prevent either party from pursuing other remedies available to it.

c) Termination of these conditions and/or the contract shall not affect the operation or continuance of Clauses 2 to 30 (inclusive) which shall remain in full force and effect.

## 24. VARIATION

No variation of these conditions shall be effective unless it is in writing and signed by the parties.

## 25. ASSIGNMENT

These conditions are personal to the parties and neither party shall assign, transfer, mortgage, charge, or deal in any other manner with any of its rights and obligations under this Agreement without the prior written consent of the other party.

## 26. NOTICE

Any notice or document required or permitted to be given or served under these conditions may be given or served personally or by leaving the same or by sending the same by first class recorded delivery post or by e-mail in accordance with the details provided in the contract or as otherwise notified in writing to the other party for that purpose.

## 27. NO WAIVER

No failure or delay by the company to exercise any right or remedy provided under these conditions or by Law shall constitute a waiver of that or any other right or remedy, nor shall it preclude or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall preclude or restrict the further exercise of that or any other right or remedy.

## 28. SEVERANCE

If any court or competent authority finds that any provision of the contract and/or these conditions (or part of any provision) is invalid, illegal, or unenforceable, that provision or part-provision shall, to the extent required, be deemed to be deleted, and the validity and enforceability of the other provisions of the contract and/or these conditions shall not be affected. If any invalid, unenforceable or illegal provision of the contract and/or these conditions would be valid, enforceable, and legal if some part of it were deleted, the provision shall apply with the minimum modification necessary to make it legal, valid and enforceable.

## 29. THIRD PARTY RIGHTS

A person who is not a Party to the contract and/or these conditions shall have no rights under the Contracts (Rights of Third Parties) Act 1999 to enforce any of its terms.

## 30. GOVERNING LAW AND JURISDICTION

The contract and/or these conditions and any dispute or claim arising out of or in connection with it or its subject matter shall be governed by and construed in accordance with the Law of England and Wales. The parties irrevocably agree that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim that arises out of or in connection with the contract and/or these conditions or its subject matter.

## ADDITIONAL TERMS & CONDITIONS ARE IN PLACE SPECIFIC TO OUR POWER SYSTEMS PRODUCTS - AVAILABLE ON REQUEST.

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