

# EMERGENCY LIGHTING CATALOGUE

2025 H1







## **RELIABILITY WHEN IT COUNTS**

Emergency Lighting is far more than a legal requirement. A correctly designed and installed emergency lighting system is critical in providing employees and the public safe and quick evacuation assistance.

Emergency Lighting is subject to the following mandatory Acts and Standards:

Occupational Health and Safety Act (85 of 1993 as amended)

SANS 10400-T: 2024

SANS 10114-2 Interior Lighting Part 2: Emergency Lighting

SANS 1186: Part 1-5

SANS 1464-22: Safety of Emergency Luminaires

VC8055

Genstar Emergency Lighting Solution's range for services and products is of superior quality. We provide a full turnkey solution: audit, design and installation utilising the latest high efficiency LED and LiFePO4 components which meet all the required safety and performance requirements.



<b>EXIT SIGNS AND OPEN AREA ANTI PANIC</b>	<b>6</b>
<b>EX1</b>	
GELS-EX1-ST.....	8
GELS-EX1+TR.....	10
<b>EX2</b>	
GELS-EX1-ST.....	12
<b>EM3</b>	
GELS-EM3.....	14
<b>EM2</b>	
GELS-EM2-EXIT-ST.....	16
<b>LYNK GATEWAY</b>	
LYNK GATEWAY.....	18
<b>COMPLIANCE</b>	<b>20</b>
<b>LYNK</b>	<b>22</b>



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Our range of exits come in a variety of styles, sizes and mounting options. The EX1 (pictured) is available in standard white. Its quality design ensures maximum luminance while reducing glare, external light reflection and unevenness.

# EXIT SIGNS AND OPEN AREA ANTI PANIC

## FEATURES



### EXCELLENT LUMINANCE

A quality design ensures maximum luminance while reducing glare, external light reflection and unevenness.



### DECALS INCLUDED

Decals are included and can be mounted on both sides. They can also be purchased separately as an accessory.



### LITHIUM BATTERIES

All GELS exit signs use quality Lithium LiFePO<sub>4</sub> batteries. These are environmentally friendly and allow for maximum charging efficiency.

## OVERVIEW

	MOUNTING TYPE				
	Ceiling	Wall	Recessed	Suspended	Rod
EX2	✓	✓		✓	✓**
EM3	✓	✓		✓	✓**
EX1	✓	✓		✓	✓
EM2		✓	✓		

\* Available on selected models  
 \*\* With accessory

# GELS-EX1-ST



LYNK

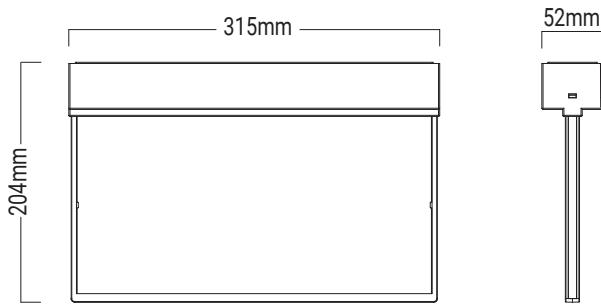


## PRODUCT RANGE (WHITE)

### ORDER CODE

**GELS-EX1**  
Trimblade self-test with track adapter

## LINE DRAWINGS



## MECHANICAL

Body Material	Polycarbonate
Fitting Colour	White/Black
Mounting Type	Surface mount/Wall mount
IP Rating	IP20

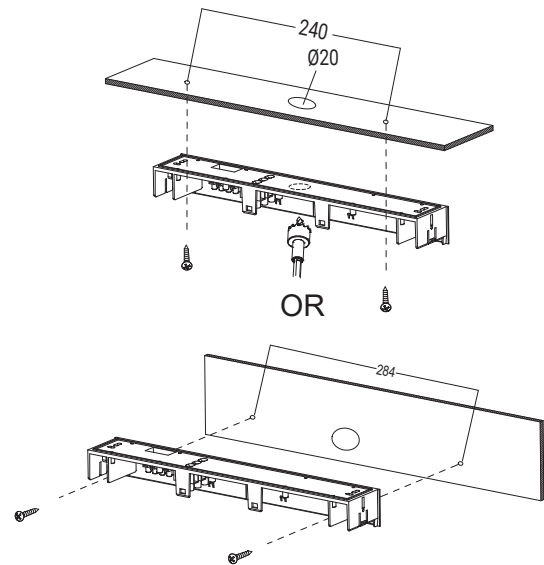
## ELECTRICAL

Voltage	220-240V~
lin	< 0.03A
Frequency	50/60Hz
Ambient Temperature	0-40°C
Class	II
Emergency Duration	180min
Battery Code	zc-batt-1A1-ACA
Battery Type	LiFePO <sub>4</sub> 3.2V 1500mAh 4.8Wh
Battery Supply Current	300mA
Charging Time	24h
Charging Operation	Multi state
Charging Type	CC / CV
Battery service life	5 Years
Viewing Distance	30m
Wiring	Push Terminal block (0.5-2.5mm <sup>2</sup> □)
CCT	6500k
Maintained max power consumption	2.6W
Maintained average power consumption	2.3W
L70(hours) >	60000h

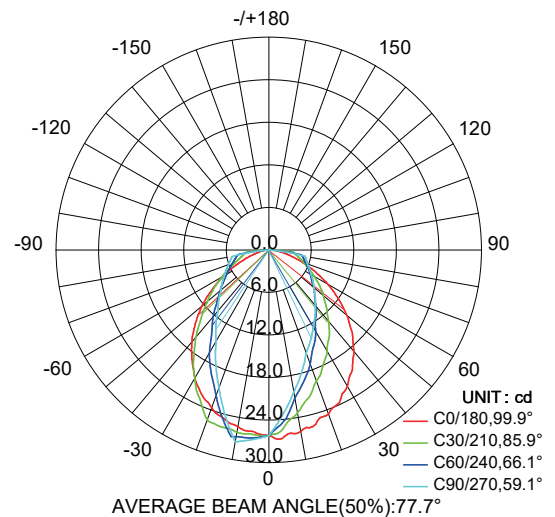
## RELEVANT STANDARDS

-	IEC 60598-1
-	IEC 60598-2-22
-	BS 5266-1
-	EN 62034
-	IEC 62386
-	EN 1838
-	ISO 3864 Part 1+3
-	ISO 7010
-	SANS 1464-22

## DIMENSIONS



## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



# GELS-EX1+TR

CE

LYNK

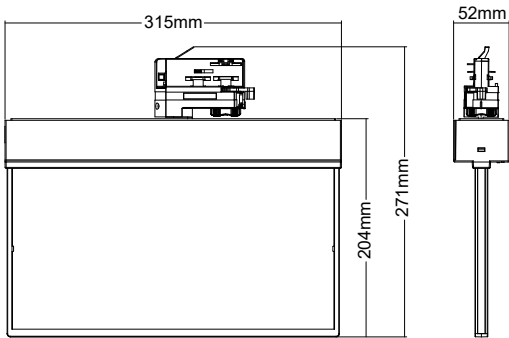


## PRODUCT RANGE (WHITE)

### ORDER CODE

**GELS-EX1+TR**  
Trimblade self-test with track adapter

## LINE DRAWINGS



## MECHANICAL

Body Material	Polycarbonate
Fitting Colour	White
Mounting Type	Track installation
IP Rating	IP20

## ELECTRICAL

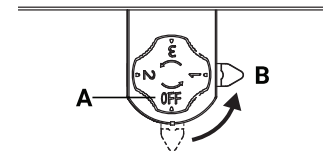
Voltage	220-240V~
lin	< 0.03A
Frequency	50/60Hz
Ambient Temperature	0-40°C
Class	II
Emergency Duration	180min
Battery Code	zc-batt-1A1-ACA
Battery Type	LiFePO <sub>4</sub> 3.2V 1500mAh 4.8Wh
Battery Supply Current	300mA
Charging Time	24h
Charging Operation	Multi state
Charging Type	CC / CV
Battery service life	5 Years
Viewing Distance	30m
Wiring	Track adapter
CCT	6500k
Maintained max power consumption	2.6W
Maintained average power consumption	2.3W
L70(hours) >	60000h

## RELEVANT STANDARDS

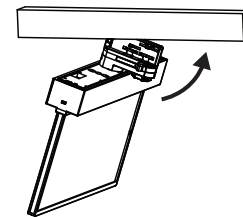
-	IEC 60598-1
-	IEC 60598-2-22
-	BS 5266-1
-	EN 62034
-	IEC 62386
-	EN 1838
-	ISO 3864 Part 1+3
-	ISO 7010
-	SANS 1464-22

## DIMENSIONS

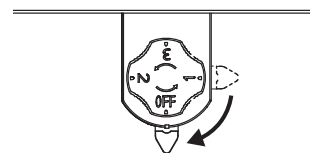
- 1 Ensure the knob is in the off position (A), then open the lever (B).



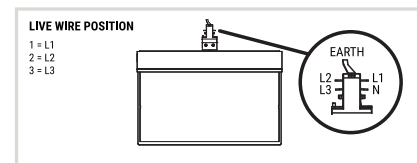
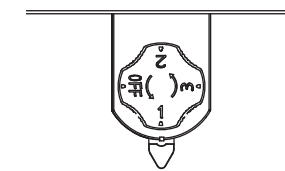
- 2 Slide unit into track.



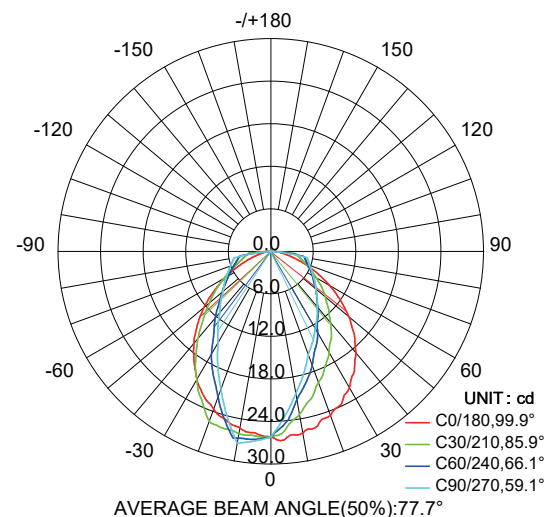
- 3 Close the lever to lock unit.



- 4 Adjust the position of the live wire.



## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



# GELS-EX2-ST



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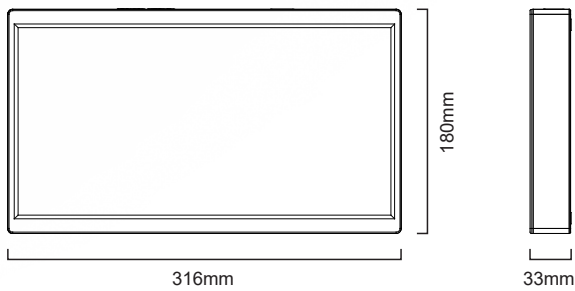
## PRODUCT RANGE (WHITE)

### ORDER CODE

#### GELS-EX1-ST

Boxit Slim Wall Mount Emergency Exit  
Sign IP20 3 Hours 30m Self Test White ISO  
Legend Kit Included Left, Right, Up, Down

## LINE DRAWINGS



## MECHANICAL

Body Material	Polycarbonate
Fitting Colour	White
Mounting Type	Surface mount/Wall mount
IP Rating	IP20

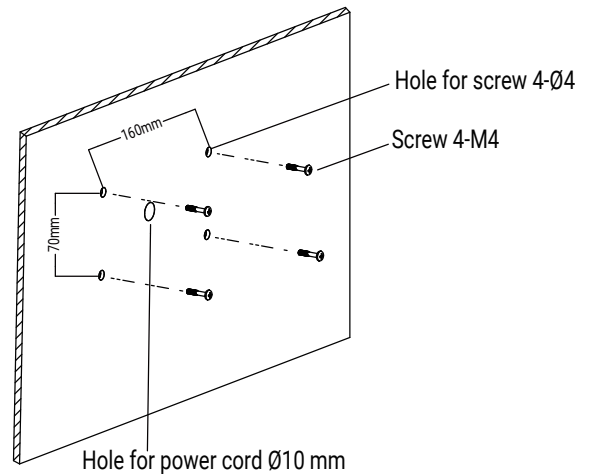
## ELECTRICAL

Voltage	220-240V~
lin	< 0.03A
Frequency	50/60Hz
Ambient Temperature	0-40°C
Class	II
Emergency Duration	180min
Battery Code	zc-batt-1A1-ACA
Battery Type	LiFePO <sub>4</sub> 3.2V 1500mAh 4.8Wh
Battery Supply Current	300mA
Charging Time	24h
Charging Operation	Multi state
Charging Type	CC / CV
Battery service life	5 Years
Viewing Distance	30m
Wiring	Push Terminal block (0.5-2.5mm <sup>2</sup> □)
CCT	6500k
Maintained max power consumption	2.6W
Maintained average power consumption	2.3W
L70(hours) >	60000h

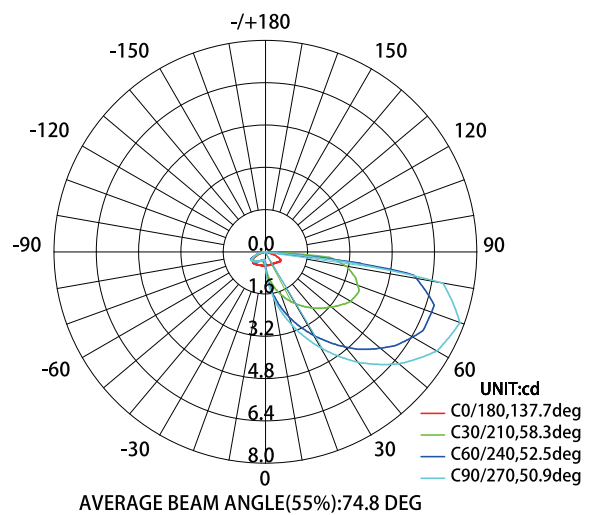
## RELEVANT STANDARDS

-	IEC 60598-1
-	IEC 60598-2-2
-	BS 5266-1
-	EN 62034
-	IEC 62386
-	EN 1838
-	ISO 3864 Part 1+3
-	ISO 7010
-	SANS 1464-22

## DIMENSIONS



## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



# GELS-EM3



LYNK

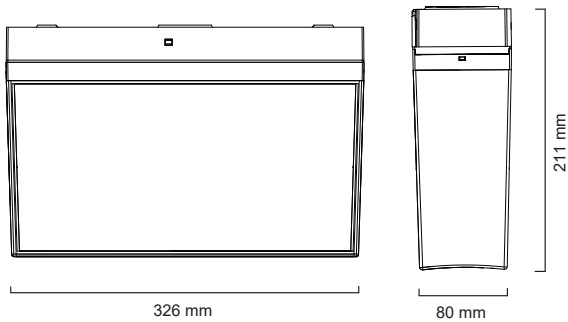


## PRODUCT RANGE (WHITE)

### ORDER CODE

**GELS-EM3**  
Mercury Surface Mounted Exit  
Emergency Sign

## LINE DRAWINGS



## MECHANICAL

Body Material	Polycarbonate
Fitting Colour	White
Mounting Type	Surface mount/Wall mount
IP Rating	IP20

## ELECTRICAL

Voltage	220-240V~
lin	< 0.03A
Frequency	50/60Hz
Ambient Temperature	0-40°C
Class	II
Emergency Duration	180min
Battery Code	zc-batt-1A1-ACA
Battery Type	LiFePO <sub>4</sub> 3.2V 1500mAh 4.8Wh
Battery Supply Current	330mA
Charging Time	24h
Charging Operation	Multi state
Charging Type	CC / CV
Battery service life	5 Years
Viewing Distance	30m
Wiring	Hard wired (16mm <sup>2</sup> □)
CCT	6500k
Maintained max power consumption	2.5W
Maintained average power consumption	2.0W
L70(hours) >	60000h

## RELEVANT STANDARDS

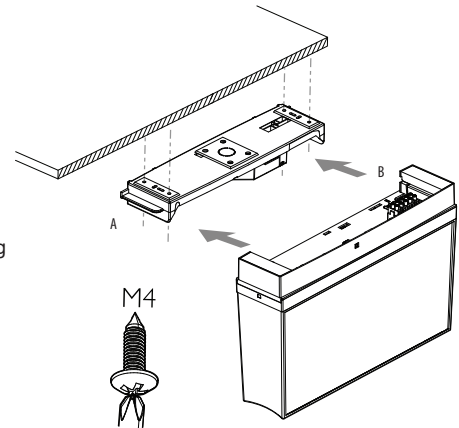
-	IEC 60598-1
-	IEC 60598-2-22
-	BS 5266-1
-	EN 62034
-	IEC 62386
-	EN 1838
-	ISO 3864 Part 1+3
-	ISO 7010
-	SANS 1464-22

## DIMENSIONS

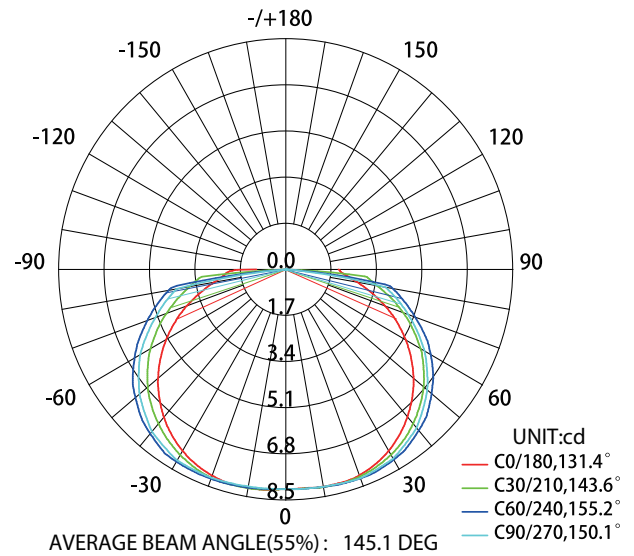
### MOUNTING

Mount cover and connect wiring to terminals.

Assemble the product by sliding the body into place.



## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## ACCESSORY RANGE

SKU	ORDER CODE	DESCRIPTION
01990		White Rod Mount Kit
02004		Black Rod Mount Kit

# GELS-EM2-EXIT-ST

OPEN AREA ANTI PANIC



LYNK



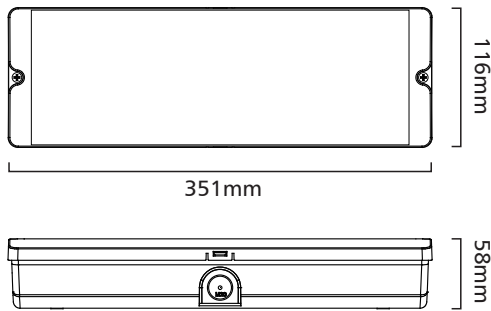
## PRODUCT RANGE (WHITE)

### ORDER CODE

#### GELS-EM2-EXIT-ST

Alectis Surface/Wall Mounted Emergency  
Bulkhead IP65 3 Hours 20m Self Test White  
ISO Legend Kit Included Left, Right, Up, Down

## LINE DRAWINGS



## MECHANICAL

Body Material	Polycarbonate
Fitting Colour	Grey
Mounting Type	Surface mount
IP Rating	IP20

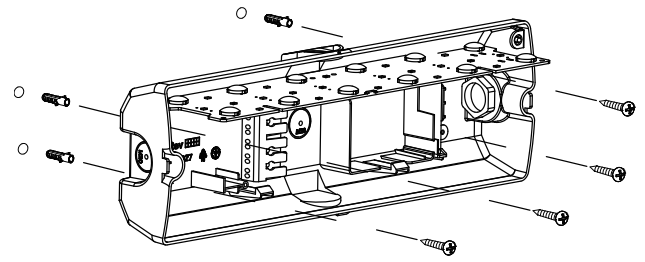
## ELECTRICAL

Voltage	220-240V~
lin	< 0.03A
Frequency	50/60Hz
Ambient Temperature	0-40°C
Class	II
Emergency Duration	180min
Battery Code	zc-batt-1A1-ACA
Battery Type	LiFePO <sub>4</sub> 3.2V 1500mAh 4.8Wh
Battery Supply Current	330mA
Charging Time	24h
Charging Operation	Multi state
Charging Type	CC / CV
Battery service life	5 Years
Viewing Distance	20m (with signage)
Wiring	Push Terminal block (0.5-2.5mm <sup>2</sup> □)
CCT	6500k
Maintained max power consumption	3.5W
Maintained average power consumption	2.7W
L70(hours) >	60000h

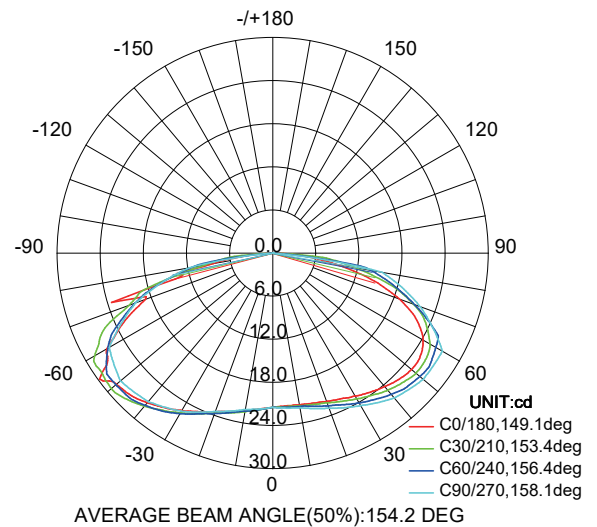
## RELEVANT STANDARDS

-	IEC 60598-1
-	IEC 60598-2-22
-	BS 5266-1
-	EN 62034
-	IEC 62386
-	EN 1838
-	ISO 3864 Part 1+3
-	ISO 7010
-	SANS 1464-22

## DIMENSIONS



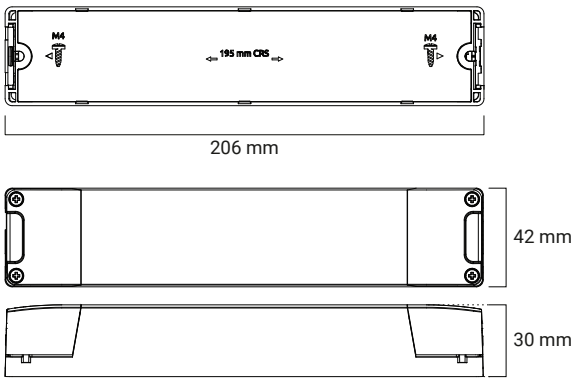
## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## ACCESSORY RANGE

ORDER CODE	DESCRIPTION
GELS-EM2-BRKT	Recess mount bracket white or black



**LINE DRAWINGS**

**MECHANICAL**

<b>Body Material</b>	Polycarbonate
<b>Fitting Colour</b>	White
<b>Mounting Type</b>	Field mount
<b>IP Rating</b>	IP20

**CONTROLLER OPERATIONAL INFORMATION**

<b>Voltage</b>	220-240V~
<b>Frequency</b>	50/60Hz
<b>Control system</b>	DALI-2
<b>DALI line current</b>	2 mA
<b>Ethernet</b>	10 / 100 TCP / IP Ethernet
<b>Ambient temp.</b>	0 - 40°C
<b>Max radio tx power</b>	+8 dBm
<b>Class</b>	II
<b>Wiring</b>	1 - 4mm <sup>2</sup> Strip 6 - 7 mm

**RELEVANT STANDARDS**

-	IEC 61347-2-11
-	IEC 60950-1
-	IEC 62386-103
-	IEC 62386-104
-	EN 55015
-	EN 55022

# COMPLIANCE

Through design, testing, quality systems, and representation, Ektor proves its ongoing commitment to compliance and reliability.

## THIRD-PARTY TESTING

Ektor third-party testing is carried out by NATA certified test laboratories (The National Association of Testing Authorities) and ILAC MRA laboratory accredited bodies.

Testing laboratories with an approved scope and certification from NATA and ILAC MRA produce test reports with either the NATA or ILAC MRA symbol. This official stamp is critical to ensure all tests have been performed correctly.

**Overseas testing laboratories, with approved scope, who are authorised signatories to the ILAC mutual recognition arrangement (MRA), carry certification from their respective national agency.**

Examples of valid certified reports are detailed below:

- Australia – NATA
- Australia/New Zealand – JAS-NAS
- China – CNAS
- Japan – JAB
- Germany – DakKS
- South Africa - Tacs Laboratory

## QUALITY SYSTEM

**Reliability, certification, procedure.**

A product carrying safety certification does not guarantee the product supplied to market is safe. Changes in the supply chain, in-house and on-line testing, and other variables, all need to be managed to ensure a consistently safe product.

Our systems, standards and procedures will deliver consistently safe, reliable, and repeatedly positive and proven outcomes in manufacturing.



### **AUSTRALIAN OWNED**

Ektor's emergency products are manufactured in Australian owned and operated factories, certified and audited to ISO9001:2015 and ISO14001:2015 and are Sedex registered. Quality and reliability are of the highest importance, demonstrated to our customers time and time again.

### **FULL-CYCLE TESTING**

Every range in the Ektor suite is subject to a full-cycle test before being packed and shipped. This rigorous process can take up to 32 hours and includes a complete charge, discharge and re-charge, ensuring products meet the requirements of our customers and our environment.

### **DESIGN LIFE**

Warranties form our guarantee and the assurance we will stand behind our products, but more important than a product warranty is its design life. Customers pay significantly when the warranty of the product does not reflect the design life. A reduced design life results in more replacements and costs through the life of the product, regardless of the warranty period. It is always best practice to consider the product design life to ensure the lowest total cost of ownership

Design life criteria takes into consideration the requirements and performance needs of the product type. The design life of each Ektor product is calculated at its maximum rated ambient temperature for a true representation.

To achieve the highest design life with all Ektor products we use only quality materials and manufacture to endure the harshest of operating conditions. The size and rating of all components, including the capacitors, are de-rated and sized to provide the longest possible design life. All LEDs, batteries, and the battery capacity are carefully considered so products meet the rated duration throughout their life.

**Our expertise in battery technology and degradation allows us to design Ektor products with the longest possible battery life and lowest cost of ownership.**

# LYNK

## WIRELESS CONTROL WITHOUT COMPLICATION OR MESS

Help meet regulatory compliance with **Lynk**, Ektor's wireless test and monitoring solution.

Simple and easy to use, the **Lynk Wireless Solution** reduces the substantial ongoing maintenance and testing costs required for emergency lighting compliance.

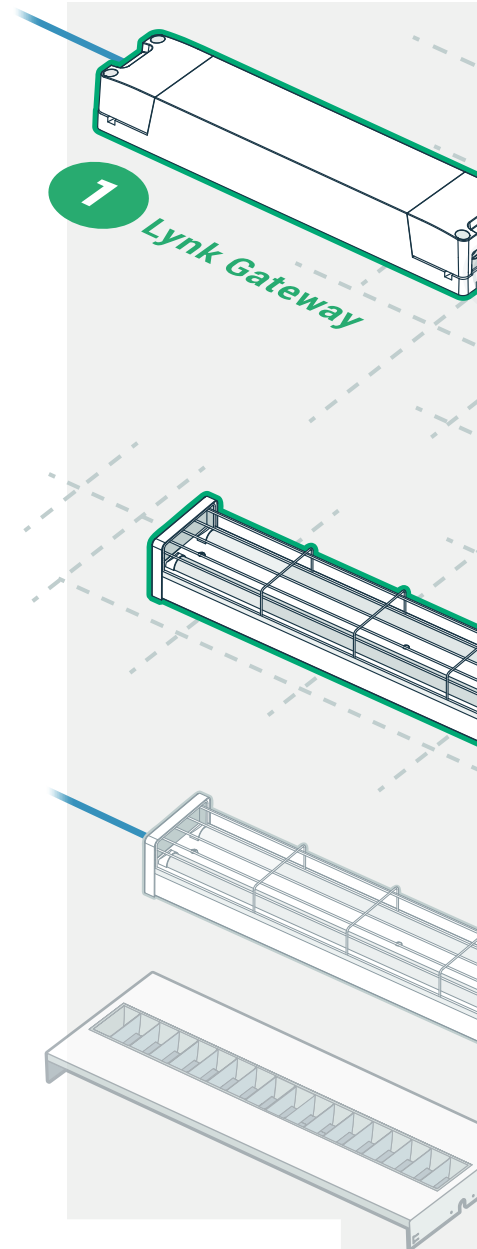
### THE BEST WIRELESS EMERGENCY SOLUTION

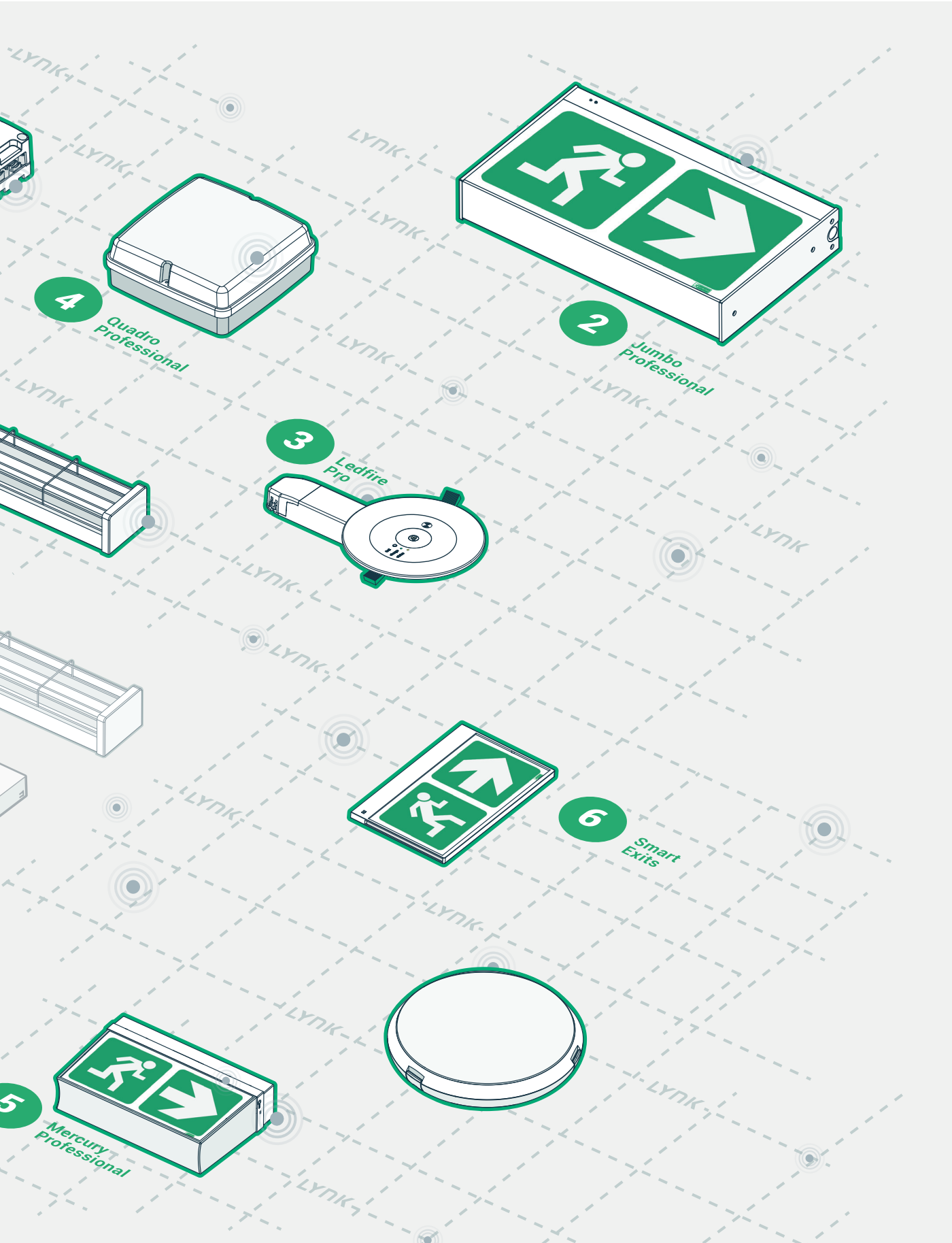
**Lynk's sophisticated mesh connectivity exhibits real-time reporting, with expansion capacity across wired and wireless networks.**

Behind a simple, easy-to-use interface, a powerful, self-linking, self-healing solution resides. Providing ultra-fast wireless connectivity, **Lynk** has no need for additional cables or wires, making it easy to deploy or retrofit.

#### Why Lynk?

- Built on DALI+ technology allowing for open source connectivity
- Easy to install with no additional wires or cables
- Suits any size installation
- Intelligent meshing technology with a powerful, self-linking and self-healing system
- Protected cloud-controlled platform allowing managed multi-user and multi-tenancy access controls
- Real-time reporting with expansion capacity across wired and wireless networks
- Built on IEC62386-104 - the only IEC standard for wireless lighting control





# LYNK

## REGULATORY COMPLIANCE

Save money and help to achieve building compliance with the Lynk Wireless Solution.

*Lynk* is designed to integrate and work with the zencontrol cloud platform, a system tested and certified to IEC62034 by TÜV Rheinland.

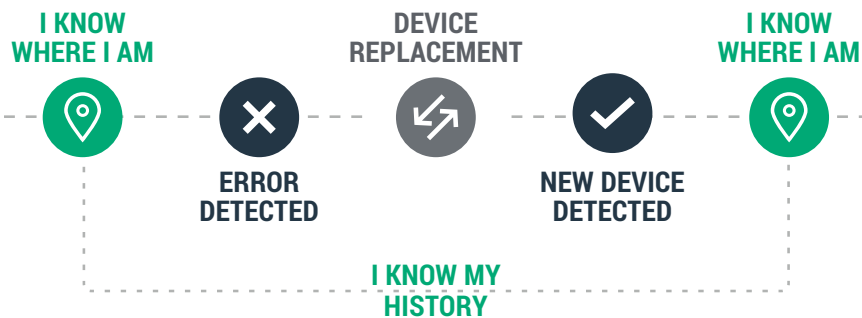
This additional testing ensures it meets the requirements of a safe and reliable monitoring system.



### TEST MANAGEMENT & TRACEABILITY

Ektor emergency testing provides a full test management solution. Instead of tracking and testing individual emergency devices, the *Lynk* system is **based on the location of each unit**. With this method, the addition, replacement or removal of emergency devices maintains a full, 'through-life' traceability.

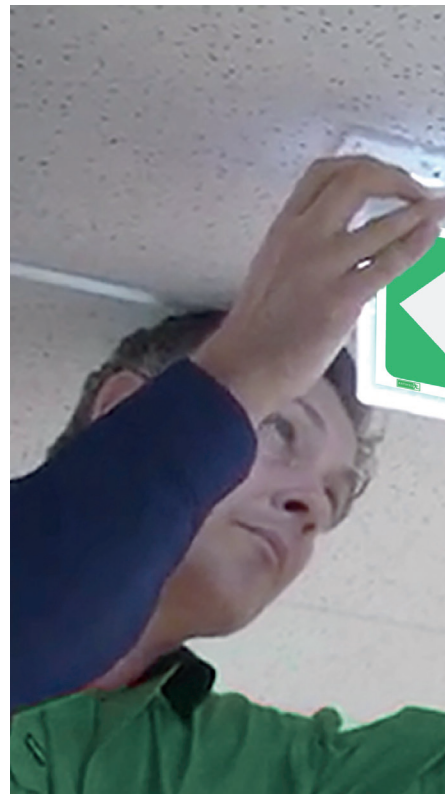
This test management system eliminates the issue of devices being removed from the network without due process. For each test session, all changes, repairs and results are tracked and reported together to provide full test details.

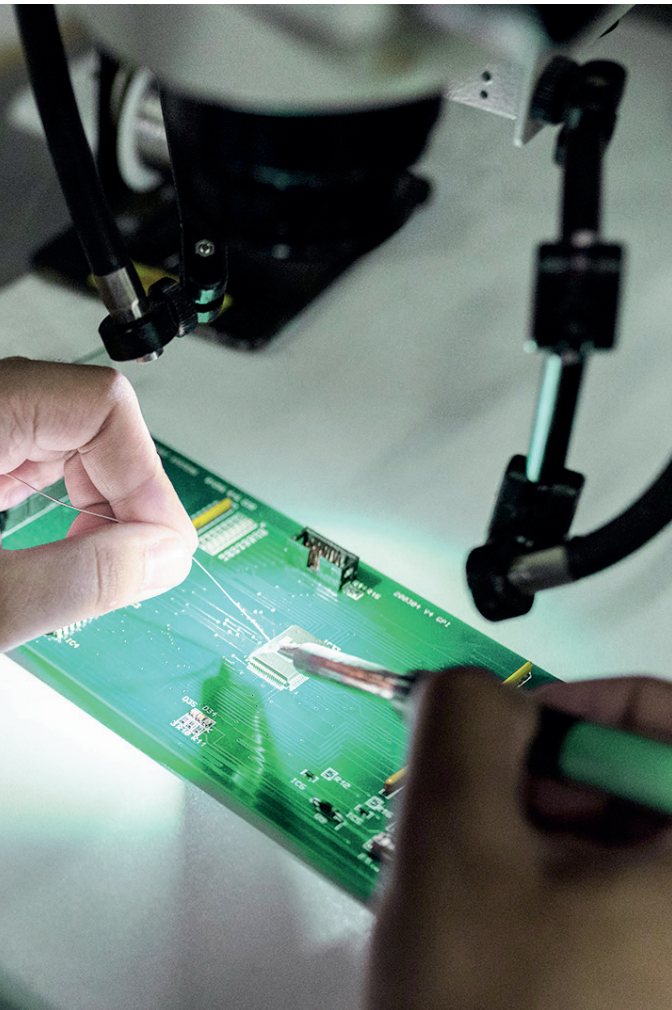


### THREAD, WIRELESS MESH CONNECTIVITY

*Lynk* emergency products are equipped with **state-of-the-art wireless meshing technology**. This connects nearby devices, creating a network for control and reporting.


The self-healing mesh makes *Lynk* easy to deploy or retrofit, as the emergency luminaries require no additional wire. The Bluetooth commissioning interface provides installers a quick and easy connection to the device, making configuration simple.






### AUTOMATIC BACKUP OF TEST RESULTS

For Site Managers, compliance is improved and liability is reduced with the zencontrol cloud platform. Integrated with *Lynk*, this solution automatically backs up and stores all test results and maintenance data off-site.

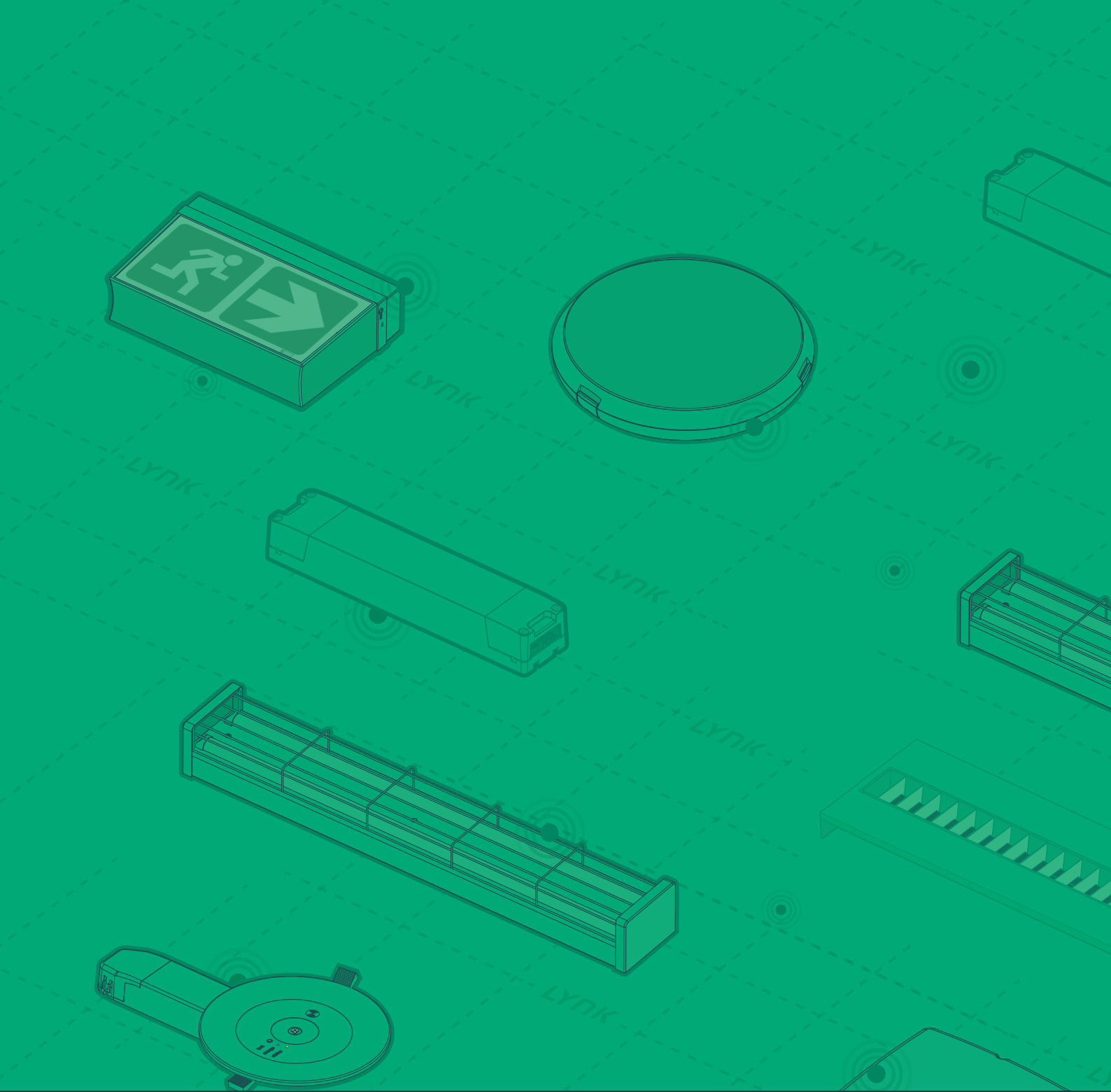
 **DEVICE REPLACEMENT**

 **HISTORY STORED IN THE CLOUD**



Market hall





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