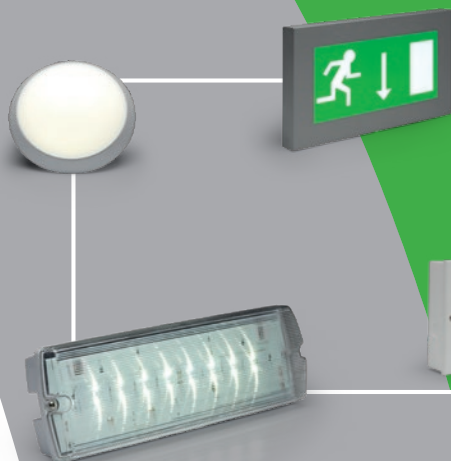# Advanced

LUX* INTELLIGENT

Emergency lighting from Advanced for automated compliance with BS 5266

Product brochure

A Visibly Better Testing System

LuxIntelligent is the latest version of Advanced's legendary emergency lighting test system.

It makes emergency light testing and compliance easier and more cost effective on sites large and small, and comes with optional cloud-driven, mobile and desktop monitoring and management.

Our knowledge is unmatched. Emergency light testing was Advanced's first product category and the foundation for what has become a leading international fire protection and life safety company, operating in over 80 countries worldwide.

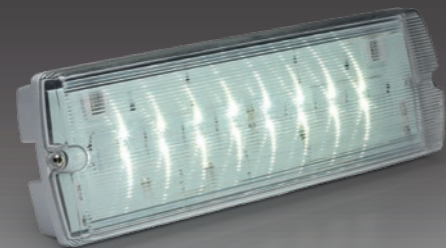Advanced was named **Fire Safety Systems Manufacturer of the Year** at the Fire & Security Matters Awards 2022.

LuxIntelligent
makes life easy

Easy installation, management, testing and monitoring of emergency lighting to BS 5266-1, EN 50172 and beyond.

www.luxintelligent.com

Contents

One Panel – Many Options

For any type of installation, all you need is our one panel. A single panel can support up to 996 devices and be locally networked with up to 200 panels or an unlimited number via our LuxCloud service.

Our LuxIntelligent panel is a robust, long-lasting solution that will seamlessly take care of your emergency light testing for the next 15 years or more. It's easy to install and easy for both technical engineers and security staff to operate, with little training required.

Our system can also interchangeably work as a hybrid in any of these scenarios and offers a huge amount of flexibility and scalability that will suit almost any requirement.

Retrofit

Do you have pre-existing emergency luminaires? No problem – our intelligent PLUs can be retrofitted to almost any existing luminaire. Just by adding our PLUs to your devices and a simple data cable, your system can become a centralised, automatic testing system without having to replace your existing devices.

Conversion

If you don't want the hassle of converting devices yourself, simply send them to us and we can convert your lights for you. Not only will we ensure your devices are returned to you ready to plug into your new system, we will also take over the warranty of the device for your peace of mind.

Ultra-Low Voltage

EasySafe is our next generation of emergency luminaires that require no mains power connection. They are fast to install and maintain, using a first-fix base and a 'twist & click' install method. EasySafe devices draw their power directly from the data cable and are perfect for anyone who needs minimal disruption during installation and maintenance, whilst also providing an energy-saving solution.

Standalone Devices

We have a range of high-quality standalone LED luminaires and exit signs that come pre-installed with our PLU devices. These reliable devices are made to order in our world-class UK manufacturing site and are ready to be installed straight out of the box.

Central Battery/Static Inverters

Our system works well alongside existing or new central battery or static invertor systems. Our PLUs and panel can monitor luminaires connected to either system type and provide centralised testing for all your devices as well as interlinking with central batteries via our addressable input/output unit or our 230V hold-off relays.

System Advantages

LuxIntelligent makes emergency light testing, management and compliance easy and cost effective.

Complete trust, easy management

LuxIntelligent is an analogue addressable system that ensures all your emergency lights work and are regularly tested to standards.

It does all this automatically with no intervention or engineer time required. Panels and systems can be monitored and maintenance managed on mobile phone, tablet or remote computer.

Unlimited scaleable system

LuxIntelligent can be networked in two ways. A cabled network can support 200 panels, or with our 'cable free' cloud networking, an unlimited number of panels, located anywhere in the world, can be linked and managed remotely.

You can cover one corridor or multiple sites quickly and easily. The system can use your existing cabling and luminaires, keeping costs low while adding our unbeatable performance, monitoring and ease of use.

A LuxIntelligent emergency lighting test system was chosen to protect the Berkeley Hotel in Knightsbridge, London because of its outstanding capabilities, features and reliability.

LUX✳INTELLIGENT

Worldwide monitoring in your pocket

The LuxIntelligent cloud stores your test data securely and gives you live status, advisories, reports and monitoring on your smartphone, tablet or computer.

You can monitor all your sites, anywhere in the world down to device level, from one account and share the system elements and reports you want with engineers or maintenance staff.

More monitored lights

Each LuxIntelligent panel has up to four easily-wired lighting loops supporting up to 249 luminaires.

That's an unbeatable 996 per panel and 199,200 per standard network or an unlimited number with our cloud networking. It's easy to add panels and lights to your system as your site or requirement grows.

Convert your existing luminaires

LuxIntelligent allows you to keep your existing wiring and luminaires and convert them to LuxIntelligent's addressable protocol by adding our modules.

LuxIntelligent is suitable for most third-party lights, and Advanced is ICEL 1004 approved to carry out conversions.

Direct light level and voltage monitoring

LuxIntelligent modules ensure your lights are functioning correctly using fibre optics for direct light measurement and high-performance electronics to monitor appropriate voltage levels.

Live compliance and monitoring – 3 ways

- On-board keypad and LCD screen for easy navigation, programming and maintenance

- Comprehensive PC management tool can be connected to panel directly via RS232. Also modem or GSM connections and LAN via serial to ethernet connectors

- Cloud service and LuxIntelligent mobile, tablet and desktop apps giving live status and current and historical reports, complete system data, faults and advisories

Making the Switch from Fluorescent to LED Emergency Lighting

Many emergency lighting installations have been in place for ten years or more and include old technology that can add thousands of pounds of unnecessary expense to a building's overall running costs.

Traditional fluorescent lighting consumes significantly more electricity than LED technology, while the typical lifespan of fluorescent lights is between 15-30% shorter than that of identical LED solutions, resulting in a greater number of bulb failures and replacements leading to higher overall maintenance costs.

Switching to LuxIntelligent's low-energy LED emergency lighting is quick, simple, and will on average deliver 20% energy efficiency savings compared with fluorescent alternatives. The versatile range of LuxIntelligent luminaires and exit signs can be integrated onto existing cabling and/or used alongside the LuxIntelligent emergency light testing panel to form an intelligent emergency lighting system.

LED lights

High life expectancy:
LED-based products have a predicted life expectancy of 50,000 to 70,000 hours at which point the luminaire may need to be replaced

Cost effective:
Lower power consumption than fluorescent lights

Battery backup:
Require smaller batteries to operate in an emergency

Fluorescent lights

Lower life expectancy:
Life expectancy of 7,000 hours and even fewer if used in combined emergency fittings

Higher power consumption:
Typically require more power and are less efficient

Battery backup:
Require larger batteries to operate in emergency

A greener solution: A 100 luminaire system

Legend: Energy consumption (kWh); Annual CO_2e emmissions (kg)

Categories: Mains-powered LED light; Mains-powered fluorescent light

Axis: 0 — 2000 — 4000 — 6000 — 8000 — 10000 — 12000
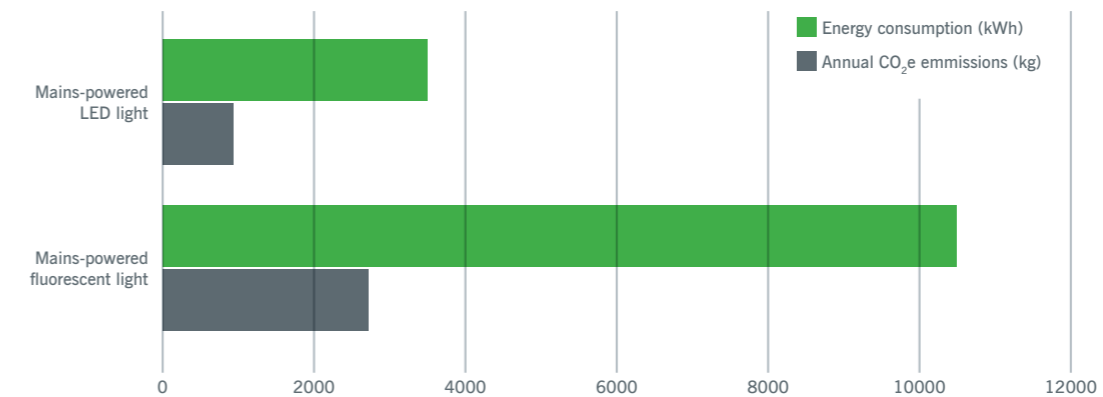
This graph shows the typical energy consumption and CO_2 emissions of an emergency lighting system with an installation of 100 luminaires. It compares traditional mains-powered fluorescent technology against a mains-powered LED equivalent on an annual basis.

The High-Performance Lighting Test Panel

LuxIntelligent is the emergency lighting test system that built a global business. You can't choose a better performing or more reliable panel.

Technical features:

- Analogue addressable
- Up to four loops per panel
- Up to 249 luminaires per loop
- Panel easily networked into 200 node networks (standard networking). Cloud networking uses existing LAN, wired and wireless networks and allows an unlimited number of panels to be networked with no dedicated cabling between panels

- Easily installed often on existing wiring
- Compatible with most third-party luminaires, including most modern LED lights
- Easy conversion of existing lights with our addressable modules
- Available with complete range of addressable lights
- 5 Amp power supply

- Can work with and monitor central battery and static inverter systems
- LCD interface for on-board programming and management
- Optional on-board printer
- Autolearn and loop detection for trouble-free installation and configuration
- PC management software

Commissioning made simple

Our updated commissioning tool is easy to use and enables you to build both simple and complex emergency lighting systems.

However complex your system requirements, you can pre-plan the entire system in advance from the comfort of your home, saving valuable time when you get on site.

Pick and choose exactly what devices go into test and when by easily amending their automatic test regimes – perfect for ensuring testing is done at a time suitable to your site.
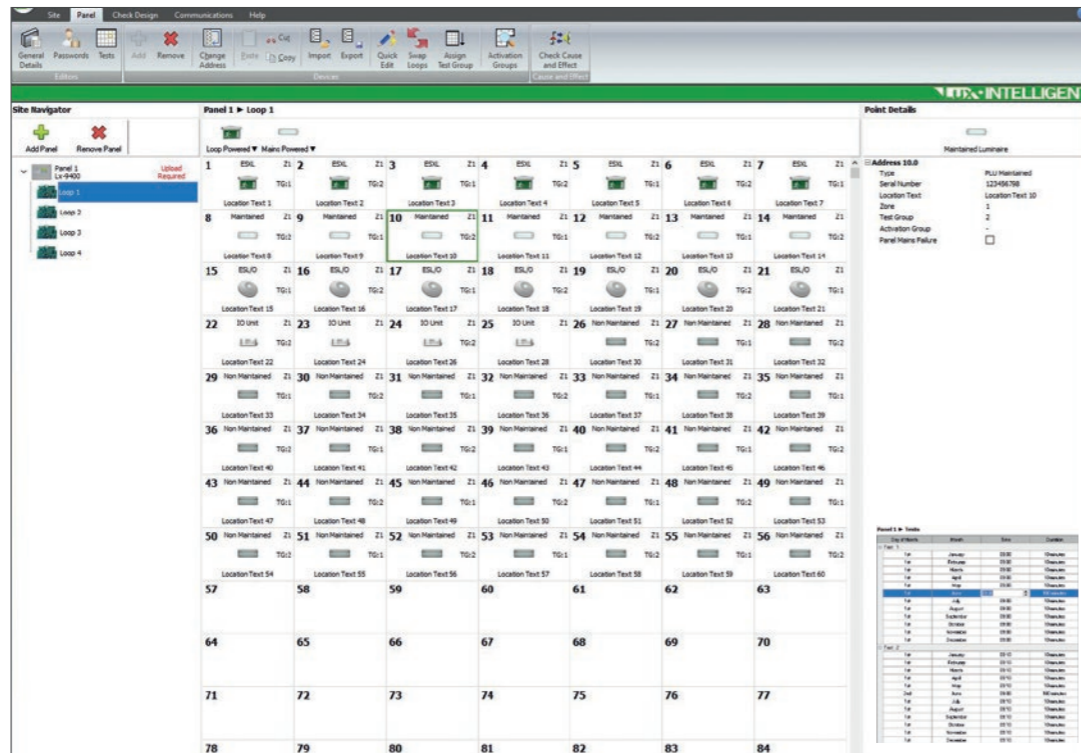

Loop/Network Wiring Specification

LuxIntelligent requires data cabling to be suitable for the nature and size of the installation. The lower quantity of lights and shorter loops results in a narrower (and less expensive) gauge of cable being required.

Radial vs loop (ring) circuit wiring

Regarding the wiring circuit used to connect devices to the LuxIntelligent panel, it is possible but **not recommended to use a radial circuit**.

Radial circuits severely hinder identification of earth faults, continuity or short circuit issues. It is **highly recommended that loop (ring) circuits are always used**.

TOP TIP
In some instances where a radial circuit is suitable, such as running a radial down a stairwell, it is important to ensure that any drawings as fitted are clearly marked as to where the radial originates.

Signalling circuits

All cables are Belden twisted pair (or equivalent). Please note:

- 8762, 8760 & 8719 types are screened, twisted pair and are recommended where a high level of high frequency electrical noise is prevalent in the installation.

- 8205, 8461, 8471 types are unscreened, twisted pair and are suitable for use in environments where there is no risk of contamination by high frequency asymmetrical electrical noise.

- Where the installation requires cables with low smoke and fume emissions, please use Belden LSF cables, types 8762NH, 8760NH, 8719NH, 8205NH, 8461NH & 8471NH.

The table below quotes the recommended maximum runs for the specified load conditions. All distances are quoted in metres and the maximum circuit length should be no greater than 1500m unless stated.

Cable types are defined by their Belden equivalents (universally referenced)

Cable	Cable size		Voltage rating	Conductor Ω (per Pr)	Maximum Cable Run (in metres per installed number of PLU modules)								
	AWG	mm²			≤ 50	≤ 75	≤ 100	≤ 125	≤ 150	≤ 175	≤ 200	≤ 225	≤ 249
PLU (LXP) Radial / Loop													
8762 / 8205	20	0.5	300	71.6 Ω/km		1500	1200	1000	800	700	600	550	500
8760 / 8461	18	0.8	300	45.4 Ω/km				1500	1300	1100	950	850	750
8719 / 8471	16	1.3	600/300	28.6 Ω/km							1500	1350	1200
8720 / 8473	14	2.0	600/300	19.0 Ω/km									1500
I/O (LXP-110) Radial / Loop [5]													
8762 / 8205	20	0.5	300	71.6 Ω/km	600								
8760 / 8461	18	0.8	300	45.4 Ω/km	950								
8719 / 8471	16	1.3	600/300	28.6 Ω/km	1500								
8720 / 8473	14	2.0	600/300	19.0 Ω/km	1500								

Complete 24/7 Monitoring and Testing

LuxIntelligent gives users complete confidence that systems are tested with no intervention or engineer time required.

LuxIntelligent's optional cloud storage, mobile and desktop apps give you unprecedented oversight and confidence in system monitoring and compliance. They make it easier and more cost effective to manage a single panel or an entire portfolio of buildings and sites.

All this is done automatically, with no intervention or engineer time required. Panels and systems can be monitored and maintenance managed on mobile phone, tablet or remote computer.
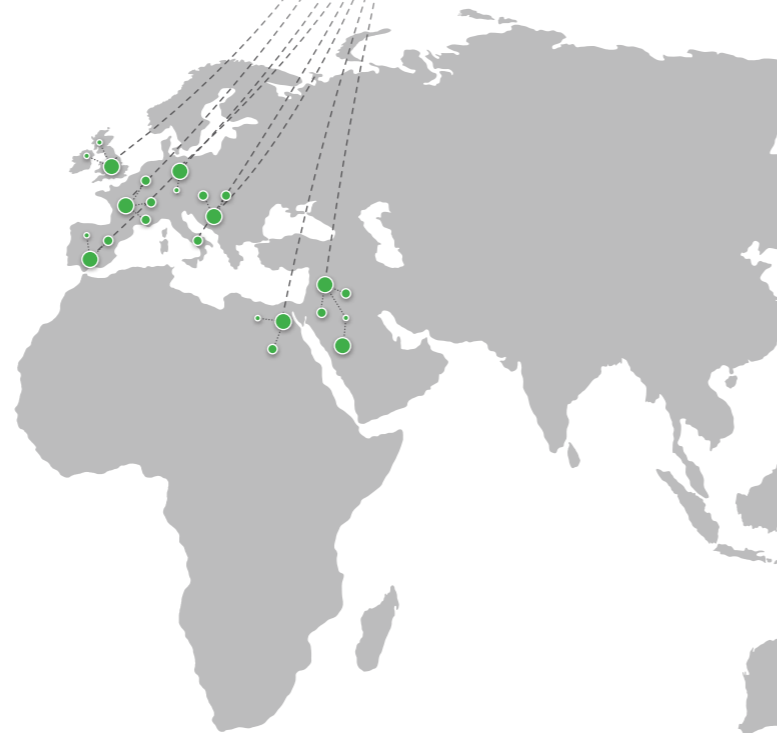
PC & LuxIntelligent cloud and mobile app:

- Monitoring of all sites in portfolio, anywhere in the world
- Easily add/remove sites, networks or panels to your portfolio
- Share specific sites, networks or panels with colleagues or maintenance partners
- Live system status from site to device, showing faults, advisories, test and maintenance reports
- Easily interrogate entire system from site to device
- 'Any level' test and maintenance report generation from site to device level
- Data safely stored in the cloud allowing historical reports to be instantly generated based on actual test data
- LuxIntelligent cloud and apps require serial-ip converter supplied separately and LuxIntelligent cloud subscription

Example Cloud-Monitored Portfolio

LuxIntelligent allows you to network your panels via cable (200 panels) or your local LAN or wireless network and the cloud (unlimited) completely securely.

All panels can be monitored with your phone, tablet or desktop app allowing you to manage panels and sites all over the world from one remote location. This offers huge savings on maintenance and management times.

To interface with the cloud, LuxIntelligent uses a serial to LAN converter and PC software (not shown).

Standard Networking

Uses 2 core cable, up to 200 panels

SITE 1
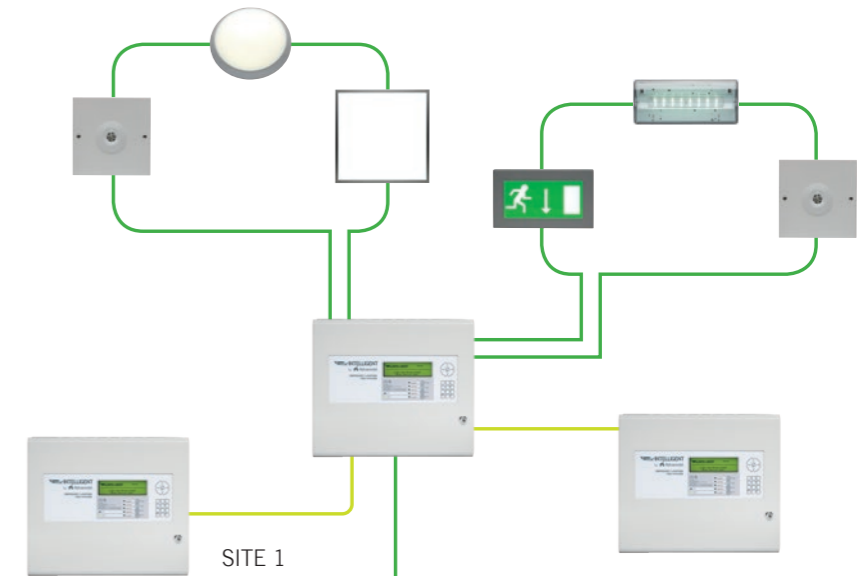
Cloud Networking

Uses existing wired or wireless LAN infrastructure. Unlimited panels and geography.

SITE 2

LAN

SITE 3
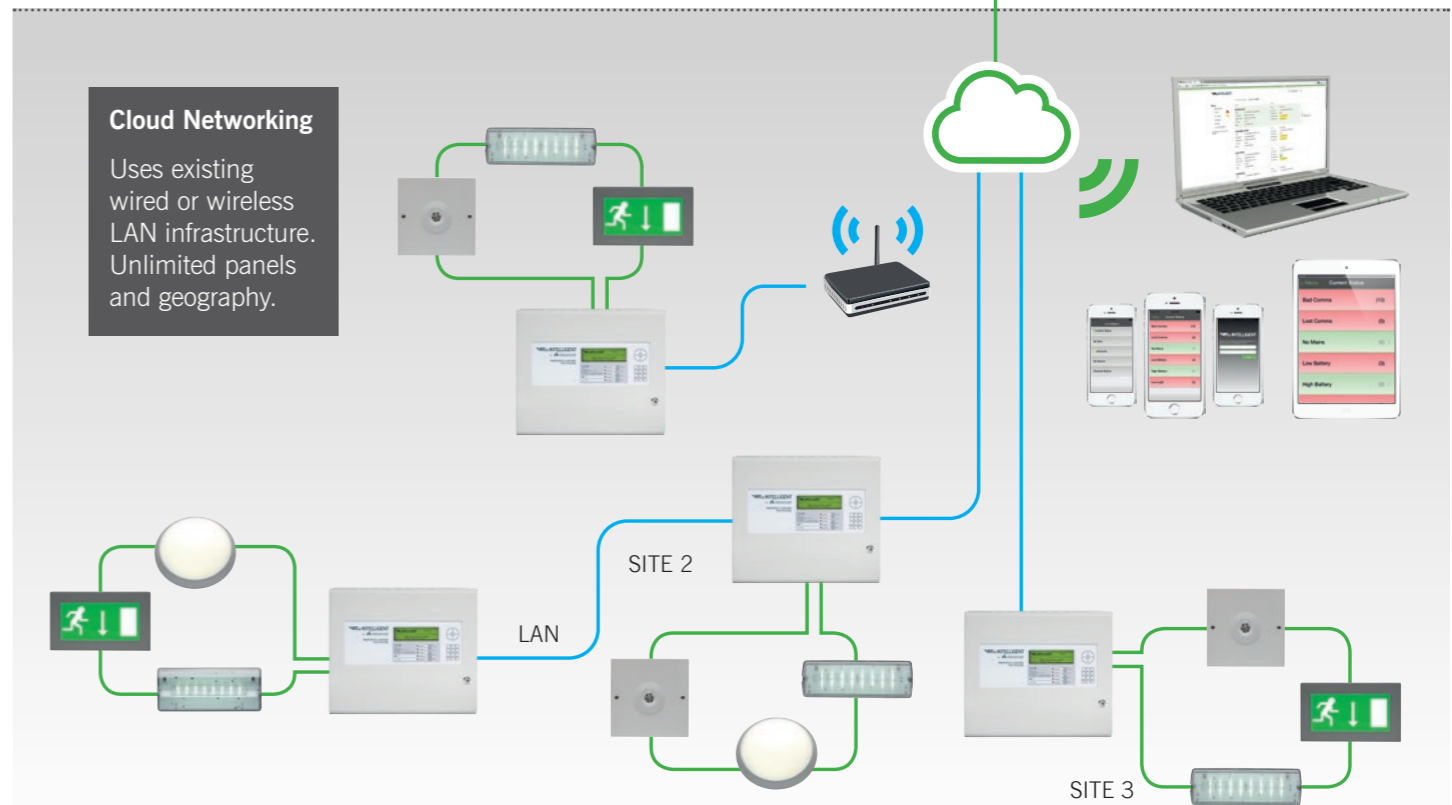
Cloud Naming Structure

Example one

When you have a large complex site, Lux Cloud makes structuring and organisation easy.

From separating areas by different geographical locations, to organising areas by departments or specific buildings; no matter how you choose to structure your site, you will always be able to drill down to the smallest of details and check the status of individual devices.

Example two

Lux Cloud is perfect for remotely monitoring multiple sites.

You can easily keep tabs on separate sites whilst maintaining the level of detail needed to ensure the site is compliant. Maintenance reports can be generated that are site specific, so forwarding on required rectification works to the right people has never been easier.
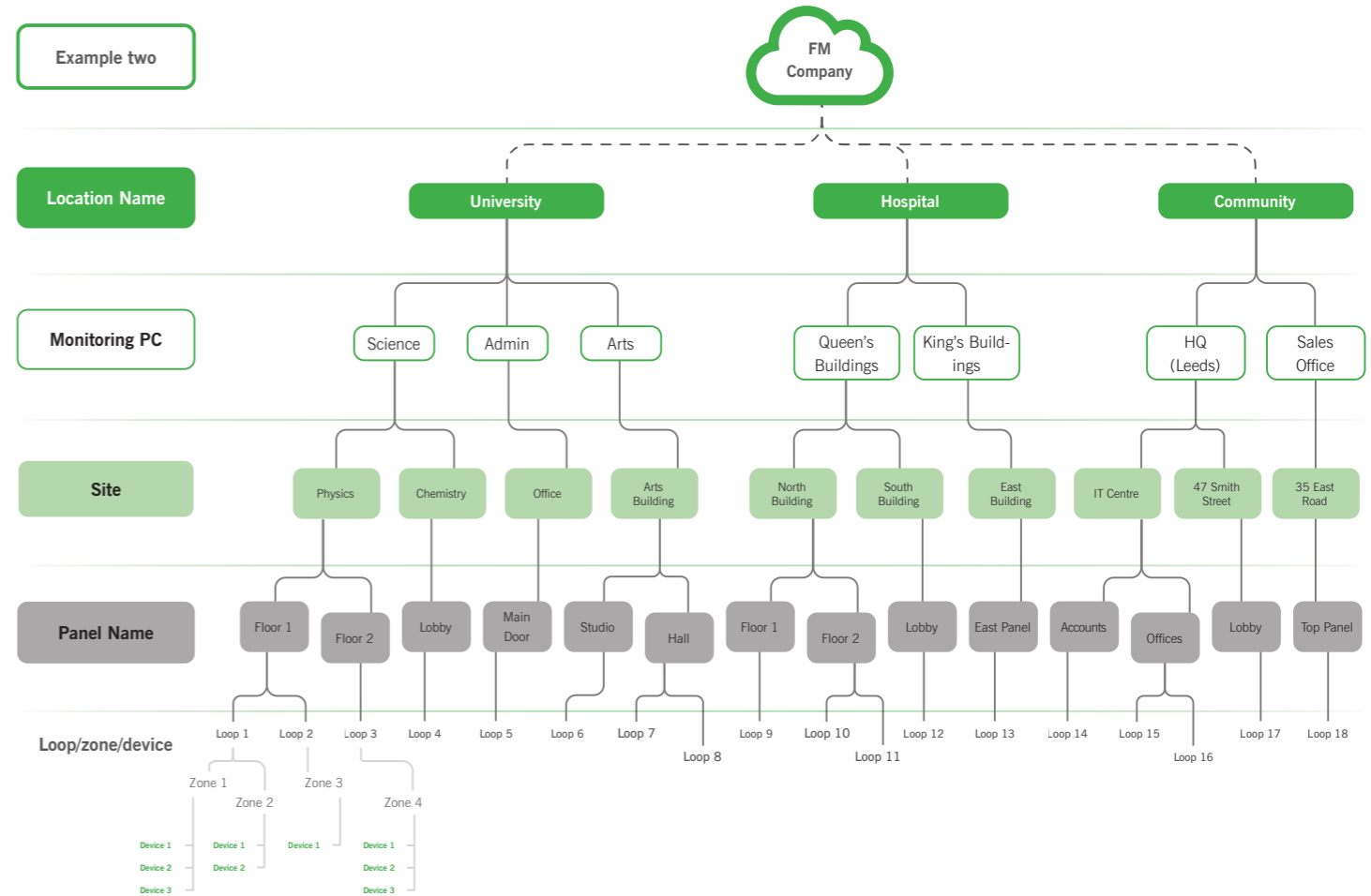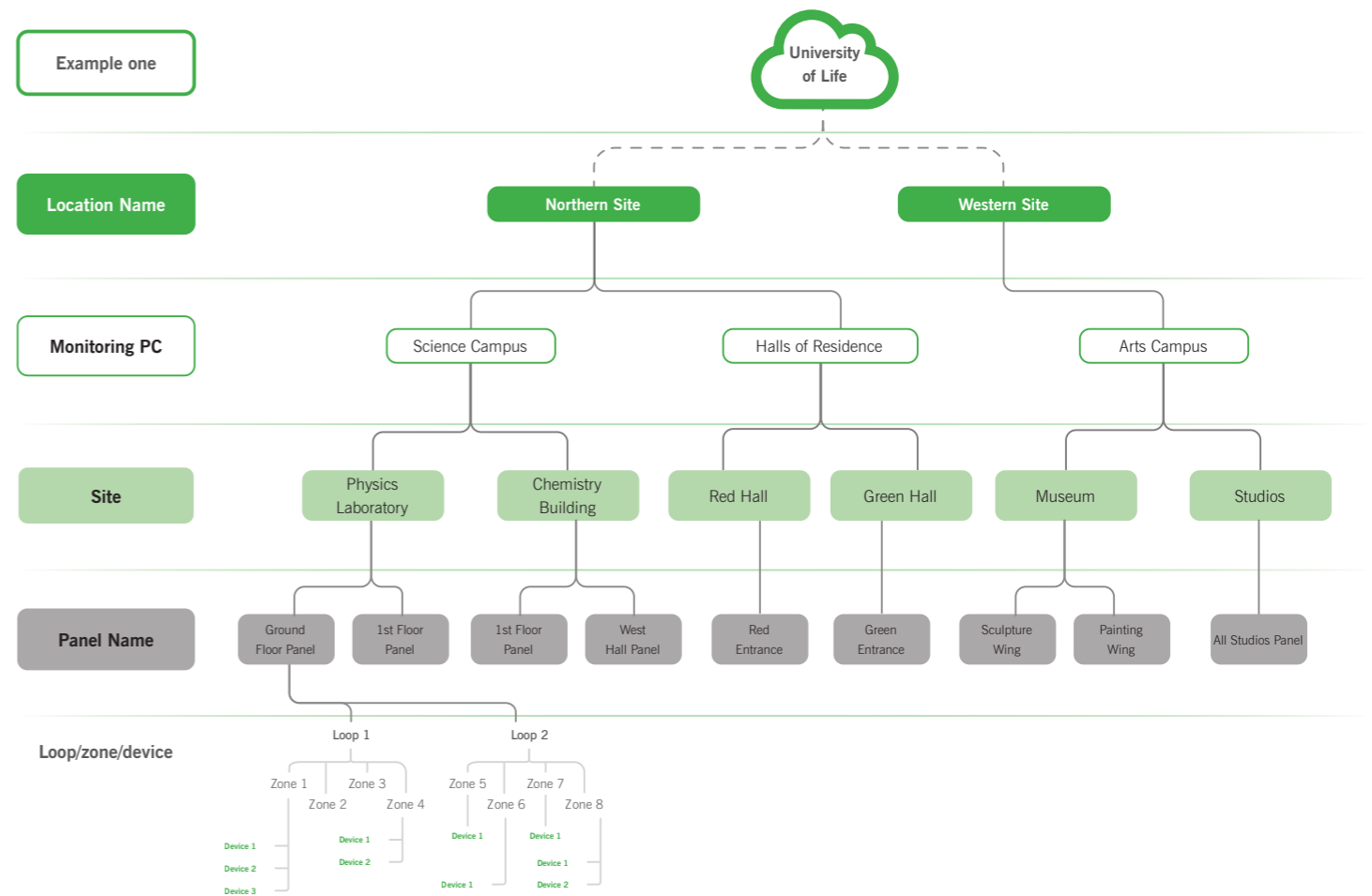
LUX INTELLIGENT — Advanced

BS 5266-1 Pocket guide to emergency lighting

Download our BS 5266-1 Pocket guide to emergency lighting

bit.ly/34JMfR5

Example one

- Example one — University of Life
- Location Name: Northern Site, Western Site
- Monitoring PC: Science Campus, Halls of Residence, Arts Campus
- Site: Physics Laboratory, Chemistry Building, Red Hall, Green Hall, Museum, Studios
- Panel Name: Ground Floor Panel, 1st Floor Panel, 1st Floor Panel, West Hall Panel, Red Entrance, Green Entrance, Sculpture Wing, Painting Wing, All Studios Panel
- Loop/zone/device: Loop 1, Loop 2; Zone 1, Zone 2, Zone 3, Zone 4, Zone 5, Zone 6, Zone 7, Zone 8; Device 1, Device 2, Device 3

Example two

- Example two — FM Company
- Location Name: University, Hospital, Community
- Monitoring PC: Science, Admin, Arts, Queen's Buildings, King's Buildings, HQ (Leeds), Sales Office
- Site: Physics, Chemistry, Office, Arts Building, North Building, South Building, East Building, IT Centre, 47 Smith Street, 35 East Road
- Panel Name: Floor 1, Floor 2, Lobby, Main Door, Studio, Hall, Floor 1, Floor 2, Lobby, East Panel, Accounts, Offices, Lobby, Top Panel
- Loop/zone/device: Loop 1–Loop 18; Zone 1, Zone 2, Zone 3, Zone 4; Device 1, Device 2, Device 3

LuxIntelligent Panel

The LuxIntelligent addressable emergency lighting control system is designed to provide a simple yet powerful, reliable and cost-effective maintenance solution for testing your emergency lights and maintaining results data for inspection and audit purposes.

Emergency lighting is a requirement for non-domestic buildings and is embodied in British and European legislation. Employers, building owners and occupiers have a legal responsibility to test and maintain their emergency systems to the standards required by the Code of Practice for Emergency Lighting of Premises BS 5266-1 and also EN50172, Emergency Escape Lighting Systems.

The LuxIntelligent panel is a robust solution that will withstand the tests of time and can be expected to last for the next 15 years or more. It can be used standalone, and placed anywhere in a building to suit requirements.

It supports both maintained, non-maintained and slave luminaires in either self-contained, central battery or static inverter systems. It supports all of the Advanced LuxIntelligent range of fittings. On top of this, LuxIntelligent modules can be added to almost any luminaires to allow them to fully function on the LuxIntelligent system.

The control panel has a dynamic event log of 1000 events as well as a separate log for recording test results. Records of all automatic (and manual) tests are generated and can be downloaded by connecting to a computer and using the appropriate LuxIntelligent logger tool.

The data is then transferred to a database on a PC for subsequent analysis listing and printing. Once the data is there, there is also the opportunity of transferring this information up to the LuxIntelligent cloud using the LuxIntelligent sync tool. Through the LuxIntelligent app it becomes very easy to share and use this information.

The LuxIntelligent addressable emergency lighting control system can work with a huge range of luminaires, from pre-installed retrofit options and ICEL 1004 conversions to self-contained standalone LED luminaires and Dynamic Safety Sign Systems.

Key Features

Each panel can support 996 luminaires
Advanced graphical LCD user interface
Loop-powered communications
Dedicated RS232 port supporting various modes of access
5 Amp power supply and charger to EN54-4
Fit and forget panel, using your 'My LuxIntelligent' account to manage your emergency lighting
32 characters for zone text and 26 for each luminaire
Networks can contain up to 200 panels
400 individual tests can be spread across up to 50 test groups
Up to 200 zones available across each panel
1000 event and diagnostic log
24/7 monitoring, including cloud service and mobile app

Specification	Lx-9400
Display	Backlit 260 by 64 graphical LCD
Controls	Alpha-numeric keypad, navigation keys, mute and reset
Enclosure/colour	Steel IP30/RAL 7035
Dimensions (H*W*D) mm	385 * 450 * 125
Weight	8.6kg
Temperature	-5°C to 40°C
Humidity	95% Max
Cable entries (20mm knockouts)	18 top, 9 top rear, 2 bottom
Mains supply	220-240V, +10%, -15%, 47-63 Hz AC, 1A (Max)
Battery capacity	24V 4Ah (Min), 24V 12Ah (Max) internal
Charging current	2.4A, temperature compensated
Power supply	Separate 24Vdc, 5A universal input, switched mode
Number of loops	1 to 4
Devices per loop (total)	249
Protocols	PuLsE
Auxiliary supply output	24V dc , 500mA
Loop current	500mA
Event log	1000 event and diagnostic
Number of zones	200 maximum, across 4 loops (1000 when networked)
Number of test groups	50
Number of scheduled tests	400
On-board relays	2 * 1A 30V AC/DC (fault)
Serial port	1 * RS232 on board for PC/modem/printer
Integral modem (optional)	For connection to logging PC

Ethernet, WiFi or 4G Router

The LuxIntelligent Ethernet, WiFi or 4G Router permits remote interaction and monitoring of the LuxIntelligent emergency lighting test panel.

It is an economical and easy way to monitor your emergency lighting system from anywhere across the installation, using its local area network via an ethernet port or WiFi connection; or anywhere in the world via the 4G connectivity option.

There is no need to physically network panels across an installation. Simply tag each panel onto the site's internal network or connect externally via a mobile SIM card. Any number of computers on the network can download test data and access the full LuxIntelligent Cloud.

The Router can be installed next to or near any panel, with various antennas and accessories included to ensure connectivity. It is supplied with the serial interface lead for connecting to

the panel. All that is required is a data connection to the closest local network hub or Fixed -IP mobile SIM card.

The device is easily configured using a standard Windows™ tools - simply allocate it an IP address and associated gateway

information. The serial communications are then set up to match those of the panel and

full access to the panel is available on the network. Controls can be configured so that only known IP addresses can access the device and password protection can be set.

Full technical support is available to help guide users in the setup and connection of your router via our technical support team.

Connectivity Options

Option 1
Manually view data at the panel

Option 2
PC connection via RS232 to USB cable
(Advanced drivers & cable required)

Option 3
LuxIntelligent Ethernet,
WiFi or 4G Router
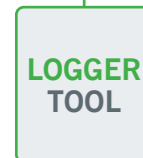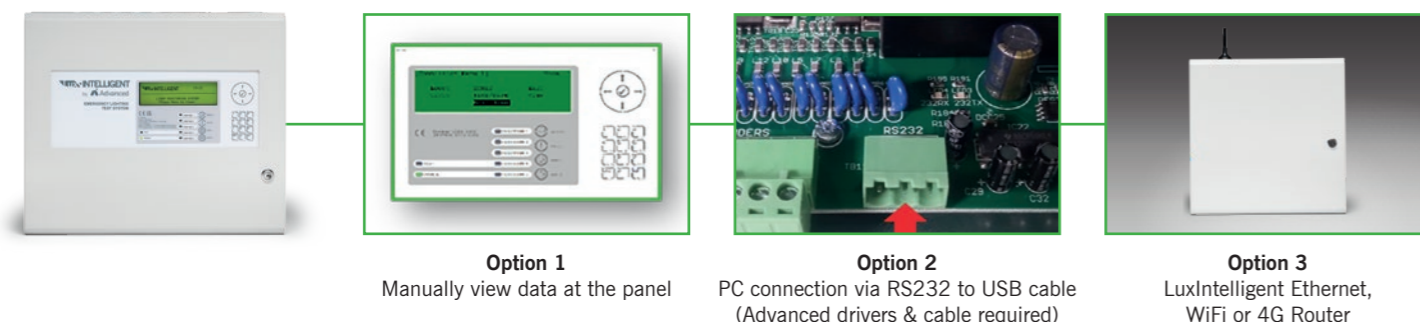
LOGGER TOOL
- PC software that extracts all test results and current status of lights
- Presents data in a clear format that demonstrates BS EN 5266 compliance
- Add comments to any failures/rectification works
- Generate fail summaries for distribution to maintenance teams
- Virtually connect to a control panel as if stood in front of the panel

LUX CLOUD
- Register with my.luxintelligent.com
- Download Lux Sync Tool
- Pulls all data into your cloud account

Key Features

Allows full use of all LuxIntelligent monitoring features
Dual Ethernet and choice of RS232 or RS485 port
Modbus RTU to Modbus TCP Gateway built-in
Ethernet, Wifi and 4G internet connection options with auto-failover
Secure, lockable metal enclosure to keep your data connections secure

Specification

Cellular Interface

Number of antennas	2 external antenna (MAIN + AUX)
Connector	SMA-K
SIM	1* (3 V & 1.8 V) Standard SIM or eSIM

Ethernet Interface

Number of ports	2 x 10/100 Mbps, 2 x LAN or 1 x LAN + 1 x WAN
Magnet isolation	1.5 KV

WiFi Interface

Number of antennas	1 external antenna
Connector	RP-SMA-K (external antenna)
Standards	802.11b/g/n, supports AP & Client modes
Frequency bands	2.4 GHz
Security	WEP, WPA, WPA2
Encryption	64/128 AES, TKIP
Data speed	2*2 MIMO, 300 Mbps
RF output power (+/-1 dBm)	802.11b (19 dBm) 802.11g (19 dBm) 802.11g (19 dBm) 802.11n (40 MHz / 17 dBm)
Receiving sensitivity (+/-1 dBm)	802.11b (-93 dBm) 802.11g (-90 dBm) 802.11n (20 MHz / -88 dBm) 802.11n (40 MHz / -85 dBm)

Serial Interface

Type	1 x RS-232 or 1 x RS-485 (hardware configuration)
Connector	3-pin 3.5mm female socket
Baud rate	300bps to 115200bps

SDK

Supported programming languages	C, C++, Linux Shell Scripts
Flash available for SDK	4MB
RAM available for SDK	64MB

Other

Reset button	1 RST
LED indiators	1 x RUN, 1 x MDM, 1 x USR, 1 x RSSI, 1 x WLAN
Built-in	Watchdog, Timer

Software

Network protocols	PPPoE, DHCP , NAT, DNS, NTP, SMTP, Telnet, VLAN, SSH2, DDNS, etc.
VPN tunnel	IPsec, OpenVPN, GRE
Firewall Management	DMZ, anti-DoS, Filtering (IP/Domain name/MAC address), Port Mapping, Access Control, Web, CLI, SMS

Power Supply and Consumption

Connector	2-pin 3.5mm female socket
Input voltage	9 to 36V DC
Power consumption	Idle: 100mA @ 12 V

Physical Characteristics

Metal Housing Dimensions	345mm(H) x 345mm(W) x 85mm(D)
Ingress Protection	IP30
Operating Temperature	-25 to +70 ℃
Storage Temperature	-40 to +85 ℃
Relative Humidity	5 to 95% RH

Approvals

EMI	EN 55032: 2012/AC: 2013 (CE & RE) Class B
EMS	IEC 61000-4-2 (ESD) Contact Level 2; IEC 61000-4-3 (RS) Level 2 IEC 61000-4-4 (EFT) Level 2 IEC 61000-4-5 (Surge) Level 2 IEC 61000-4-6 (CS) Level 2

Pulse Light Modules   Mains Voltage

Pulse light units are a range of addressable modules designed for use with the LuxIntelligent emergency lighting test panel. The modules provide the ability to make a standard emergency luminaire into an addressable luminaire that can be automatically tested and monitored by the LuxIntelligent panel 24 hours a day and 365 days a year.

All the modules are loop powered, which means that even if the local power fails where the luminaires or devices are installed, the panel will still be able to monitor their condition. They do not use any power from any batteries installed with the luminaires.

The LXP-302 modules provide control and monitoring of the luminaire AC mains power, battery condition and lamp status, giving actual battery voltage and light level measurements at the control panel. This device may be used for central battery

and static inverter installations. The LXP-302 module can be configured to monitor a luminaire operating as either a maintained or non-maintained luminaire.

The LXP-110 module provides control of a central battery unit, whilst also being able to monitor fault conditions via a dry contact input.

It can also be used as an addressable relay to trigger specific groups of lights. By combining the LXP-110 with a third-party 240V Relay which is connected to a local lighting circuit, the LXP-110 can be used to trigger our EasySafe low-voltage range of luminaires.

Installation

Typical wiring configurations are shown opposite.

Retrofit

Our intelligent PLUs can be retrofitted to almost any existing luminaire.

Just by adding our PLUs to your devices and a simple data cable, your system can become a centralised, automatic testing system without having to replace your existing devices.

Conversion

If you don't want the hassle of converting devices yourself, simply send them to us and we can convert your lights for you.

Not only will we ensure your devices are returned to you ready to plug into your new system, we will also take over the warranty of the device for your peace of mind.

Key Features

Allows standard emergency luminaire to be used as an addressable luminaire
Allows the monitoring of critical parameters
Enables the automatic testing of emergency luminaires
Fully supports all the features of the Lux Intelligent panels

Specification	Lxp-302	Lxp-110
Dimensions (H*W*D)	130*42*20	130*42*20
Fixing centres	118mm	118mm
Temperature	65℃	65℃
Terminal size	0.35-2.5mm^2	0.35-2.5mm^2
Addresses	1-249	1-249
Battery range	1.2-12.0V ±2%	N/A
Relay output	250Vac(125VA)	N/A
Loop voltage	15-32Vdc	15-32Vdc
Current	1.7mA	1.7mA
Current (energised)	1.7mA	4.0mA
Current (on)	N/A	2.7mA

More Information

All pulse light modules communicate over a two-wire communication link. They all have two pairs of terminal chambers to allow loop in and loop out cabling. The Lxp-302 module is supplied with the necessary grommets for mounting of the fibre optics.

Typical LXP-110 Wiring Diagram

LXP-302 Dimensions
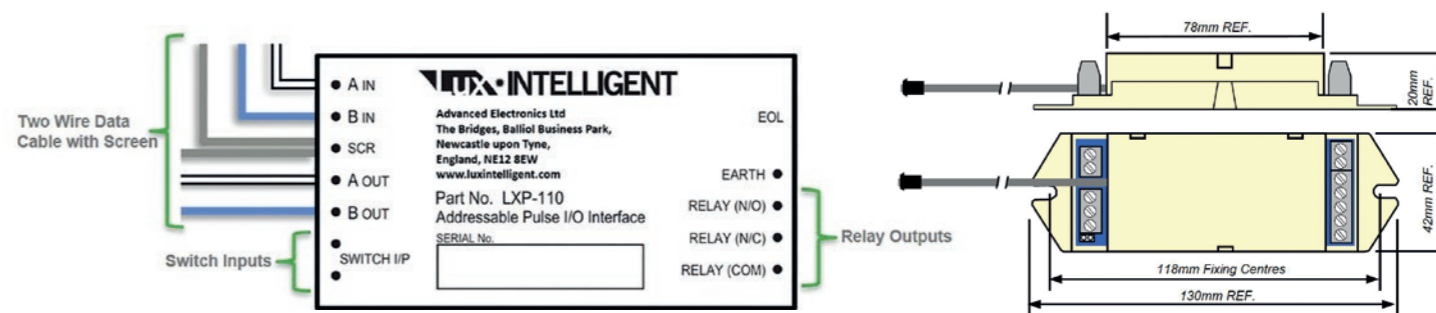
Typical LXP-302 Wiring Diagram
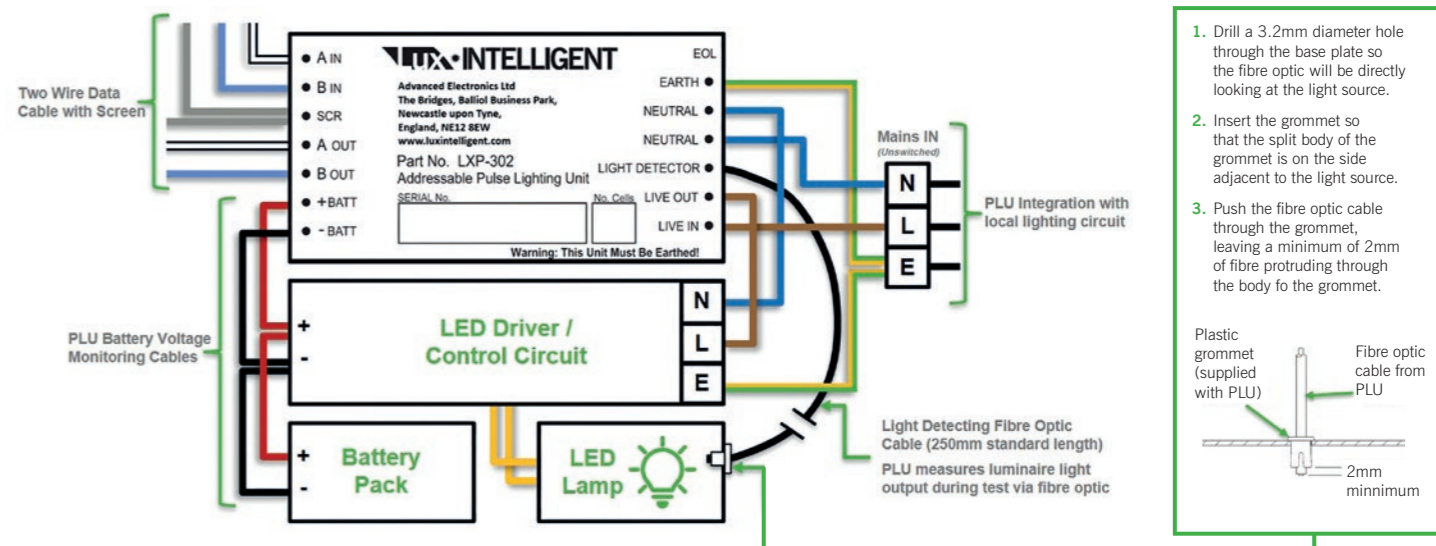
Light and Luminaire Range

Central Battery and Static Inverter

LUX✳INTELLIGENT

LuxIntelligent can sit on your existing lighting system cabling and use your existing luminaires.

It is one of the few systems that can meet all your emergency lighting needs in one system and will work with standard and specialist lights.

LuxIntelligent modules convert most third-party standard and LED lights into addressable lights that work with the LuxIntelligent panel. Advanced is ICEL 1004 approved and can carry out conversions to the highest of standards.

More info at www.luxintelligent.com

Our system is compatible with and works well alongside existing or new central battery or static invertor systems.

- For retrofit, our Intelligent PLUs and panel can easily be added to your existing luminaires for either system type. They provide centralised monitoring for all your devices and proof of compliance.

- For new systems or light fittings, we have a range of LuxIntelligent compatible 'slave' fittings that do not come with a localised battery back-up but are ready to be connected to the central battery system.

- We can easily integrate the central battery with our intelligent input/output interface to drive a range of different events.

- For static inverter systems, we also have 230V hold-off relays available that ensure any automatic switchover of power is timed correctly to reduce any risk of arcing between out-of-sync phases.

Please note that whilst LuxIntelligent can work alongside and is compatible with these systems, we **do not** supply any central battery or static invertor system.

LED-Lite Recessed

Mains Voltage

The LED-Lite range of recessed luminaires offers a simple method of providing discrete emergency lighting in areas that require a self-contained solution.

Available with a symmetrical wide-angle lens or an asymmetrical 'corridor' lens for escape routes or a narrow 20 degree high level beam for highlighting points of emphasis, the luminaire simply requires a permanent 230 Volt supply (and addressable wiring) to provide effective non-maintained emergency lighting with a three-hour duration. This version is available in a maintained version for such applications as 'night lighting' in hospital wards. This version comes complete with a robust remote enclosure which houses all the control components.

An alternative LED head is available that uses three 1W LEDs in a dichroic housing, complete with a 'through hole flame-retardant pack' to allow installation into solid ceilings such as plaster. The LED-Lite fully supports all features of the LuxIntelligent test system. IP65 weatherproof versions available for outside usage.
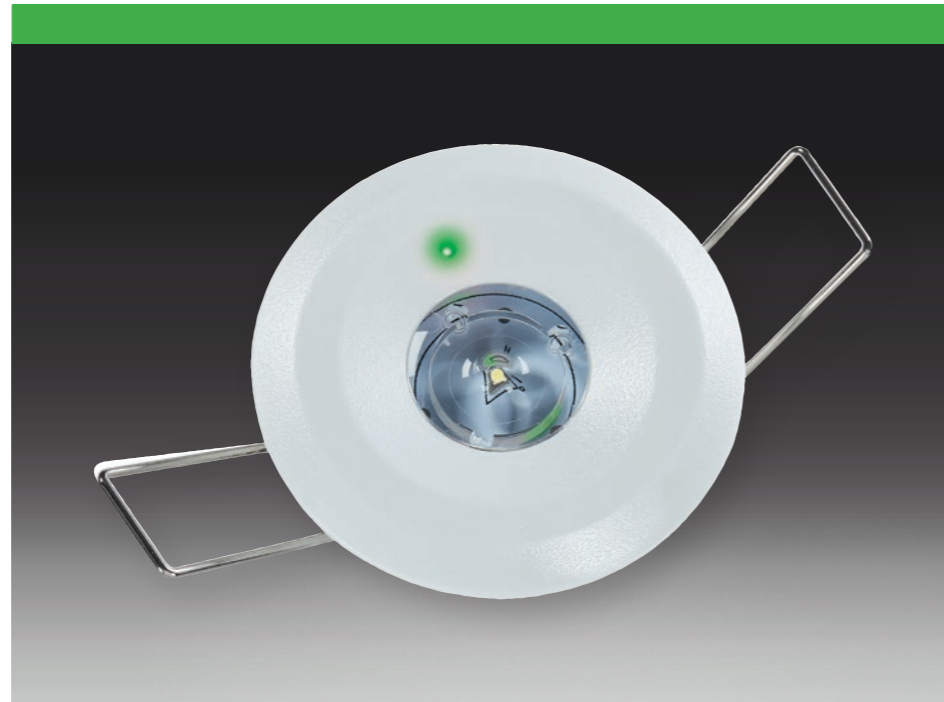
Operation

The LED-Lite is supplied with integral non-maintained emergency lighting control gear. The self-contained unit offers three-hour emergency lighting duration from integral nickel-metal hydride batteries. The LED-Lite incorporates a green LED to provide battery charge indication. The luminaires will automatically provide emergency lighting in the event of a loss of local mains supply. The benefits of modern LEDs are well documented.

Installation

The LED-Lite recessed units can be discretely mounted in a 45mm cut-out. When the 'corridor' lens is specified, the LED can easily be rotated to align the distribution along the escape route.

Key Features

Available as open area, corridor or high-level lens versions

IP65 weatherproof versions available

Reliable LED technology

Low power consumption

Excellent spacing values

Discrete recessed LED luminaire

Fully compatible with LuxIntelligent test system

Suitable for a mixture of ceiling types

Specification

Specification	
Supply voltage	230 Volt (220-240V) @50Hz
Supply power	1.5W
Light source	3W white LED
Colour temperature	4500K
Body	Steel remote box
IP ratings	IP42 (IP65 available on request)
Ambient temperature	0 to 40 °C
Cut-out diameter/minimum void depth	45mm / 175mm
Dimensions (H*W*D)	285 * 95 * 40 (mm) (remote box)
Weight	1.0kg (3W LED)
Battery	2.4V 1/8Ah NiCd
Lumens (emergency)	160lm

Spacing Data

Spacing Data	Open area lens		Corridor area lens	High-level lens
Mounting height (m)	Spacing (m) min 0.5 lux	Spacing (m) min 1 lux	Spacing (m) min 1 lux	Spacing (m) min 0.5 lux
2	9.8	8.9	11.9	n/a
2.5	9.4	8.2	12.9	n/a
3	8.7	7.5	13.1	n/a
3.5	8	6.8	13.4	n/a
4	5.9	4.8	14.5	n/a
6	6.4	4.5	13.2	5.2
8	n/a	n/a	11.1	7.3
10	n/a	n/a	9.8	8.9
12	n/a	n/a	7.8	10.1

Downlighter in Black
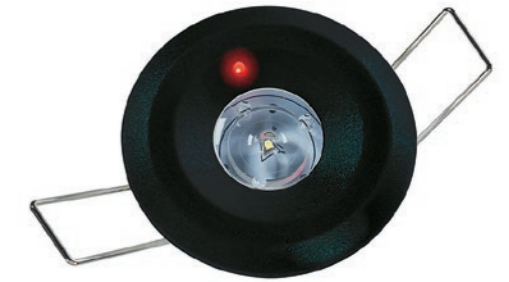
Downlighter Dimensions

42

28

55
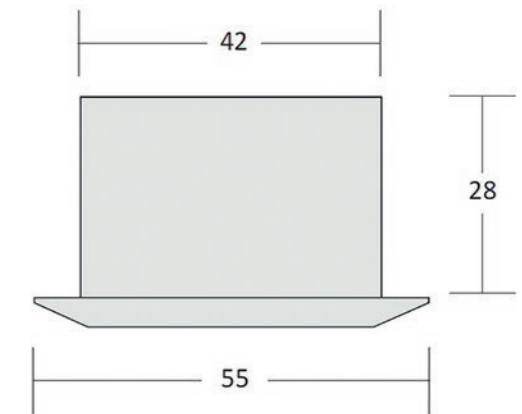
Light curve output
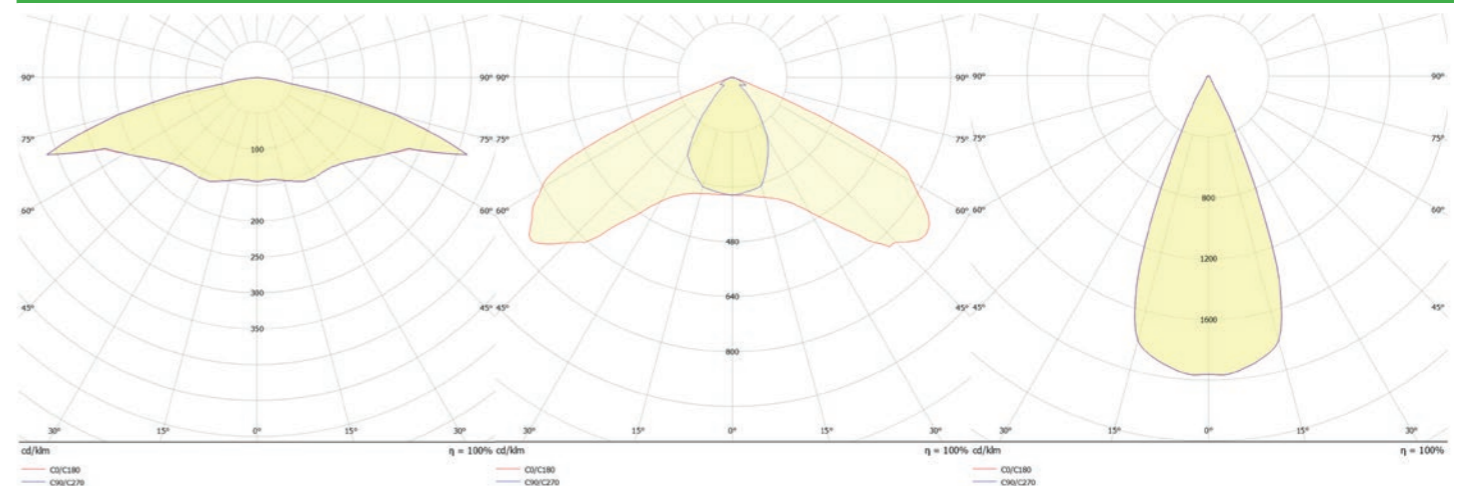
LED-Lite Surface

Mains Voltage

The LED-Lite range of surface mount luminaires offers a simple method of providing discrete emergency lighting in areas that require a robust surface-mounted, self-contained solution.

Available with a symmetrical wide-angle lens or an asymmetrical 'corridor' lens for escape routes, or as a 20 degree high-level beam version for highlighting key areas; the luminaire simply requires a permanent 230 Volt supply (and addressable wiring) to provide effective non-maintained emergency lighting with a three-hour duration. The LED-Lite fully supports all features of the LuxIntelligent test system. IP65 weatherproof versions also available for outside usage.

Operation

The LED-Lite is supplied with integral non-maintained emergency lighting control gear. The self-contained unit offers three-hour emergency lighting duration from integral nickel-metal hydride batteries. The LED-Lite incorporates a high brightness green LED into the white polycarbonate bezel to provide battery charge indication. The luminaires will automatically provide emergency lighting in the event of a loss of local mains supply. The benefits of modern LEDs are well documented.

Installation

The LED-Lite units have a BESA rear entry and 20mm knock-outs for surface conduit entry. When the 'corridor' lens is specified, the LED can easily be rotated to align the distribution along the escape route.

Key Features

Fully compatible with LuxIntelligent test system

Available as open area 'corridor' or 'high-level' lens options

IP42 as standard with IP65 weatherproof versions available

Low power consumption

Excellent spacing values

Discrete surface-mounted LED luminaire

Robust construction

Specification

Specification	
Supply voltage	230 Volt (220-240V) @50Hz
Supply power	1.5W
Light source	3W white LED
Cable entry	2*20mm entries, 1*BESA (rear)
Body	Steel back box with steel fascia plate
IP ratings	IP42 (IP65 available on request)
Ambient temperature	0 to 40 °C
Dimensions (H*W*D)	195 * 195 * 40 (mm)
Weight	1.5kg
Battery	2.4V 1/8Ah NiCd
Lumens	160lm

Spacing Data

Mounting height (m)	Open area lens Spacing (m) min 0.5 lux	Open area lens Spacing (m) min 1 lux	Corridor area lens Spacing (m) min 0.5 lux	Corridor area lens Spacing (m) min 1 lux	High-level lens Spacing (m) min 0.5 lux	High-level lens Spacing (m) min 1 lux
2	9.8	8.9	n/a	11.9	n/a	n/a
2.5	9.4	8.2	n/a	12.9	n/a	n/a
3	8.7	7.5	n/a	13.1	n/a	n/a
3.5	8	6.8	n/a	13.4	n/a	n/a
4	5.9	4.8	n/a	14.5	n/a	n/a
6	6.4	4.5	n/a	13.2	5.2	n/a
8	n/a	n/a	n/a	11.1	7.3	n/a
10	n/a	n/a	n/a	9.8	8.9	n/a
12	n/a	n/a	n/a	7.8	10.1	n/a

Light curve output
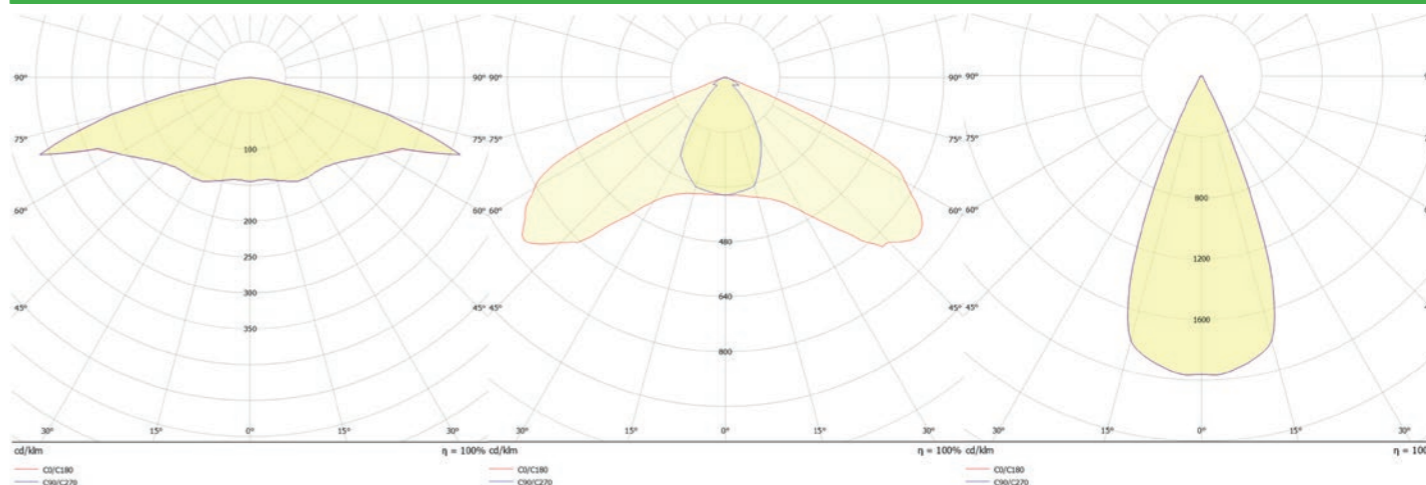
LED-Lite High Output Mains Voltage

The LED-Lite High Output 270 lumen range of recessed and surface mount luminaires offers a simple method of providing discrete emergency lighting in areas that require a self-contained solution.

Available with a symmetrical wide-angle lens or an asymmetrical 'corridor' lens for escape routes, or a narrow 20 degree high level beam for highlighting points of emphasis, the luminaire simply requires a permanent 230 Volt supply (and addressable wiring) to provide effective non-maintained emergency lighting with a 3-hour duration. It is available in a maintained version for such applications as 'night lighting' in hospital wards. This version comes complete with a robust remote enclosure which houses all the control components. The LED-Lite High Output range fully supports all features of the LuxIntelligent test system. IP65 variants available for outside usage.

Operation

The LED-Lite High Output range is supplied with integral non-maintained emergency lighting control gear.

Downlighter in white*   Surface mount version

The self-contained unit offers 3-hour emergency lighting duration from integral nickel-metal hydride batteries. The LED-Lite High Output range incorporates a green LED to provide battery charge indication.

The luminaires will automatically provide emergency lighting in the event of a loss of local mains supply.

Installation

The LED-Lite recessed units can be discretely mounted in a 45mm cut-out or we also offer a surface mountable unit that contains all the necessary control gear within a wall or ceiling mountable box. Additionally when the 'corridor' lens is specified, the LED can easily be rotated to align the distribution along the escape route.

Key Features

High output 270lm variant of our standard LED-Lite range

700mA driver for greater spacing and height requirements

Available as open area, corridor or high-level lens versions

Available as recessed and surface mount options

IP65 variants available

Reliable LED technology with low power consumption

Excellent spacing values

Discrete recessed LED luminaire

Fully compatible with LuxIntelligent test system

Suitable for a mixture of ceiling types

Specification

Specification	
Supply voltage	230 Volt (220-240V) @50Hz
Supply power	3.0W
Light source	3W white LED
Colour temperature	4500K
Body	Steel remote box
IP rating	IP42 (IP65 available on request)
Ambient temperature	0 to 40℃
Cut-out diameter / minimum void depth	45mm / 175mm
Dimensions (H*W*D)	285 x 95 x 40 (mm) (remote box)
	195 x 195 x 40 (mm) (surface mount)
Weight	1.2kg (recessed)
	1.7kg (surface mount)
Battery	6V 4Ah NiCd (1 x 2 cell stick & 1 x 3 cell stick)
Lumens (emergency)	270lm

Spacing Data – LED-Lite High Output with Open Area Lens

Mounting height (m)	Escape route (1 lux)		Open area (0.5 lux)	
	Luminaire to Wall (m)	Luminaire to Luminaire (m)	Luminaire to Wall (m)	Luminaire to Luminaire (m)
2	4.1	12.5	4.7	12.5
2.5	3.8	12.2	4.5	13.4
3	3.4	11.6	4.2	13.2
3.5	3.1	10.9	3.9	12.9
4	2.5	10.2	3.6	12.2
6	n/a	n/a	n/a	n/a
8	n/a	n/a	n/a	n/a
10	n/a	n/a	n/a	n/a
12	n/a	n/a	n/a	n/a

Spacing Data – LED-Lite High Output with Corridor Lens

Mounting height (m)	Escape route (1 lux)	
	Luminaire to Wall (m)	Luminaire to Luminaire (m)
2	5.7	14.2
2.5	6.2	15.5
3	6.3	16.6
3.5	6.4	17.5
4	6.4	17.7
6	5.7	18.0
8	3.8	16.6
10	n/a	n/a
12	n/a	n/a

Light curve output
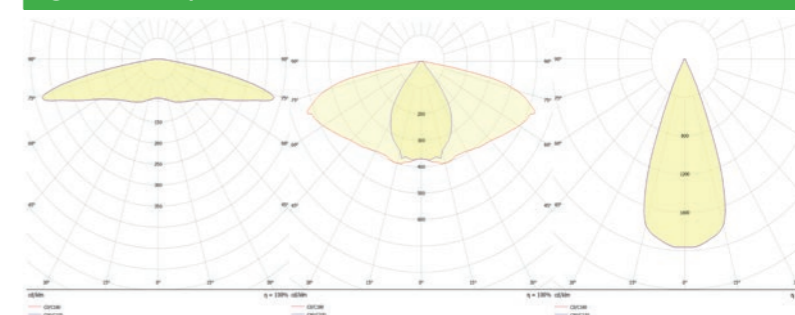
Spacing Data – LED-Lite High Output with High Level Lens

Mounting height (m)	Escape route (1 lux)		Open area (0.5 lux)	
	Luminaire to Wall (m)	Luminaire to Luminaire (m)	Luminaire to Wall (m)	Luminaire to Luminaire (m)
2	n/a	n/a	n/a	n/a
2.5	n/a	n/a	n/a	n/a
3	n/a	n/a	n/a	n/a
3.5	n/a	n/a	n/a	n/a
4	n/a	n/a	n/a	n/a
6	3.2	6.9	2.8	6.1
8	3.9	8.7	3.6	7.7
10	4.5	10.2	4.2	9.2
12	5.1	11.5	4.7	10.6

*Also available in black.

Mor-LED

Mains Voltage

The Mor-LED bulkhead is a robust IP65 rated polycarbonate base combined with a clear fresnel lens housing 16 high-output white LEDs and constant current maintained drive circuit.

The luminaire provides 150 lumens and the lens generates a wide intensity distribution ideal for providing good luminance on an escape route. We are also able to offer a high output variant that produces 800 lumens, suitable for areas such as treatment rooms. A deep (150mm) opal diffuser is available to provide double-sided signage if required. The Mor-LED fully supports all features of the LuxIntelligent test system and complies fully with all the relevant requirements of EN60598.2.22.

Operation

The Mor-LED is supplied with integral maintained emergency lighting control gear. The non-maintained operation is achieved by excluding the switched live supply. The self-contained variants offer three-hour emergency lighting duration from integral nickel cadmium batteries. The luminaires can be used for standard switched mains lighting but will automatically provide emergency lighting in the event of a loss of local mains supply. The benefits of modern LEDs are well documented. They are very energy efficient and offer very long life (typically over 50,000 hours).

They also operate at low temperatures (no cold starting problems) and do not create higher internal temperatures, therefore improving the life of the internal batteries as well as making them more suitable for use in cold store environments. They are ideal for low-maintenance applications offering four to five years of maintenance-free operation.

Installation

20mm drilling points are available at either end of the base as well as one on the rear.

Key Features

Fully compatible with LuxIntelligent test system

Long life LEDs (50,000 hours)

IP65-rated bulkhead

Low power consumption (less than 10W)

Suitable for use in cold stores (down to -20℃)

Fully complies with all aspects of EN60598.2.22

Lens can be fitted with 100mm high self-adhesive signs

90 Lumens output as standard

High output 800 Lumens variant available

Light curve output

Specification

Specification	
Supply voltage	230 Volt (220-240V) @50Hz
Supply power	3.0W
Charge power (typical)	1.2W
Light source	16 white LEDs
Colour temperature	4600K
Cable entry	20mm drilling points (polycarbonate)
Construction	White polycarbonate base and optical grade, UV stabilised lens
Geartray	Hinged white plastic
IP ratings	IP65 (at 25℃)
Dimensions (H*W*D)	350 * 120 * 65 (mm)
Weight	1.1kg (1.2kg with deep diffuser)
Luminaire lumens (mains and emergency)	150lm
Luminaire lumens (high output version emergency)	800lm
Battery	1 x 3.6V 1.5Ah NiCd

Spacing Data

Mounting height Hm (m)	Trans. to wall	Trans. to trans	Axial to trans.	Axial to axial	Axial to wall	
2.5	1.6	5.9	4.3	3.0	1.0	1 Lux min. at centre
4.0	1.1	4.7	3.6	2.6	0.4	
2.5	2.6	8.7	7.2	4.7	1.2	0.5 Lux min. (open area)
4.0	1.9	8.5	7.0	4.5	0.6	

Dimensions

65   350   120
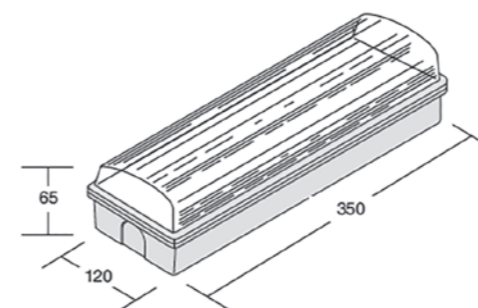
Deep Double-sided Diffuser

Mor-LED High Output

Mains Voltage

The Mor-LED High Output bulkhead is a robust IP65-rated polycarbonate base and polycarbonate fresnel lens.

Mor-LED High Output luminaires provide 800 lumen output as standard, with the fresnel lens creating cost-effective opportunities to minimise the number of luminaires required within an installation.

Mor-LED luminaires can be surface mounted or semi-recessed and are ideal for exterior and industrial applications where higher illuminance levels are required. The luminaire provides 800 lumens and the lens generates a wide intensity distribution ideal for providing good luminance on an escape route. The Mor-LED fully supports all features of the LuxIntelligent test system and complies fully with all the relevant requirements of EN60598.2.22.

High Output

Operation

The Mor-LED is supplied with integral maintained emergency lighting control gear. The non-maintained operation is achieved by excluding the switched live supply. The self-contained variants offer 3-hour emergency lighting duration from integral nickel cadmium batteries. The luminaires can be used for standard switched mains lighting but will automatically provide emergency lighting in the event of a loss of local mains supply.

They are ideal for low-maintenance applications offering 4 to 5 years of maintenance-free operation and provide an excellent solution to anywhere with a high lux requirement such as 50 lux in an emergency in a treatment room.

Key Features

- Fully compatible with LuxIntelligent test system
- High output 800 lumens
- Long-life LEDs (50,000 hours)
- IP65-rated bulkhead
- Low power consumption
- Suitable for use in cold stores (down to -20℃)
- Fully complies with all aspects of EN60598.2.22
- Lens can be fitted with 100mm high self-adhesive signs
- Suitable for 50 lux minimum requirements like treatment rooms

Light curve output

cd/klm

C0/C180
C90/C270

η = 100%
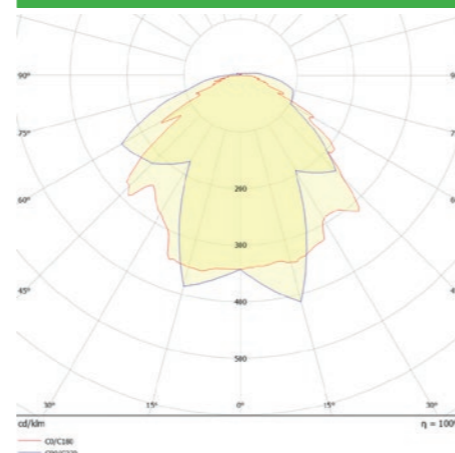
Specification	Maintained	Mains only
Light source	2 x LED strip PCBs	
Colour temperature	4500k	
Luminaire lumens (mains)	–	800lm
Luminaire lumens (emergency)	800lm	-
IP rating	IP65	
Ambient temperature (Ta)	25℃	
Insulation class	Class I	
Supply voltage	230V +/- 10% ~50Hz	
Supply current	25mA	40mA
Supply power (mains)	5W	8W
Charge power (typical)	4W	–
Battery	7.2V 3.0Ah NiCd	–
Weight	1.4kg	1.0kg

Spacing Data

Mounting height Hm (m)	Trans. to wall	Trans. to trans	Axial to trans.	Axial to axial	Axial to wall	
2.5	5.0	11.4	10.1	9.5	4.1	
4.0	7.9	16.6	14.9	15.1	5.9	1 lux minimum at centre line (escape route)
8.0	10.6	20.1	18.6	19.9	8.8	
10.0	8.8	19.5	18.1	18.4	6.6	
12.0	7.3	15.8	14.6	14.7	5.4	
2.5	5.7	12.2	11.0	10.7	4.4	
4.0	8.0	17.0	15.8	17.5	6.5	
8.0	11.0	22.4	22.1	21.9	9.0	0.5 lux minimum (open area)
10.0	9.8	23	22.6	22.3	7.1	
12.0	7.6	23.9	23.4	22.9	5.7	

Dimensions

90
350
120
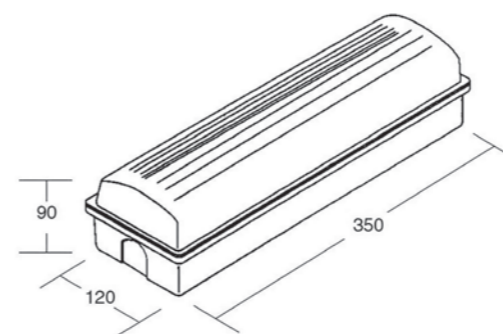
Circu-LED

Mains Voltage

The Circu-LED offers a decorative, surface-mounted circular luminaire, incorporating high-output white LEDs providing ultra-long life and low power consumption.

The LED luminaires use an aluminium base (white as standard) and a twist on fire-retardant PMMA diffuser. The luminaire has a huge 1550 lumens output and is not prone to the issues often prevalent in the 28W T5 counterpart fittings. This makes it an ideal replacement for such areas as stairwells, where building owners may wish to use motion detectors to cut down on unnecessary lighting for areas not permanently occupied.

The Circu-LED luminaire range supports all the features of the LuxIntelligent range of emergency lighting test panels and also fully complies with the requirements of EN60598.2.22. It also meets with the current Part L energy targets offering over 60 lumens per watt.
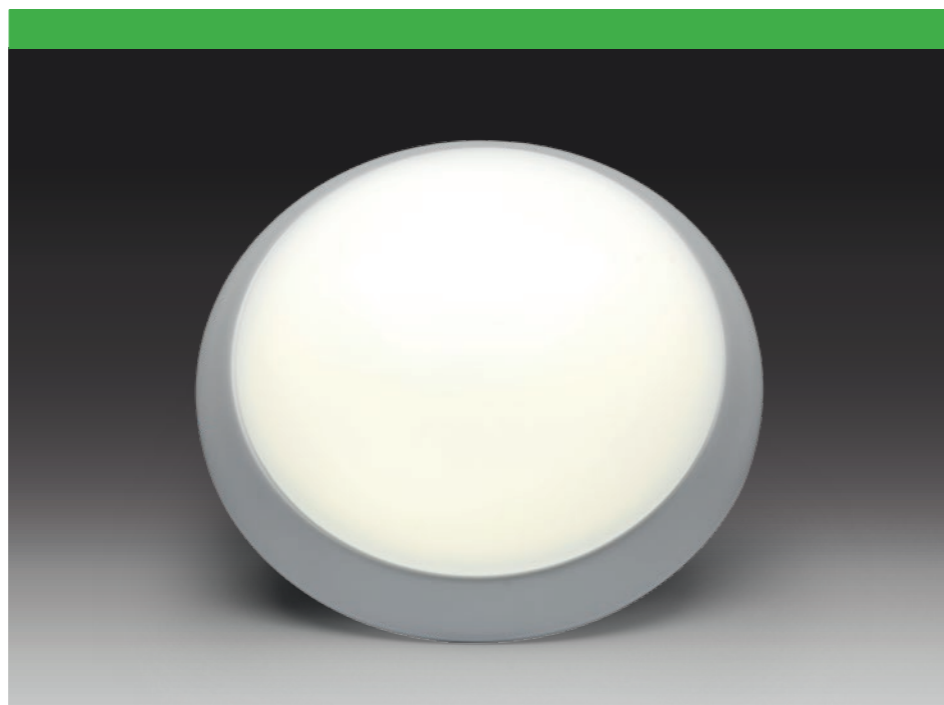
Operation

The range can be supplied as mains only or maintained emergency versions. Both versions are available with 1-10V dimming control as an option. All emergency versions provide three-hour duration from integral high-temperature nickel cadmium batteries. Maintained versions can be used for standard switched mains lighting but will automatically provide emergency power in the event of loss of the local mains supply.

Installation

The luminaire has a 20mm entry at the centre of the back plate of the aluminium base.

Light curve output
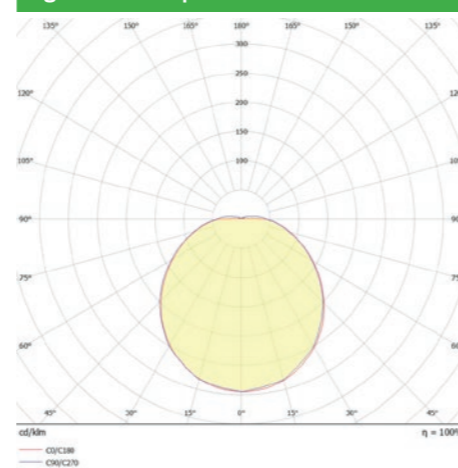
Key Features

Decorative circular LED luminaire
Fully LuxIntelligent compatible
Long life LEDs (50,000 hours)
Low power consumption
Standard and dimmable versions available
Fully complies with all aspects of EN60598.2.22

Specification

Supply voltage	230 Volt (220-240V) @ 50Hz (PF 0.92)
Supply power	Mains: 24W Maintained: 27.5W
Charge current	200mA (24 hour recharge period)
Light source	White LEDs (2800lm)
Colour temperature	4500K
Light output	1920 lumens (mains) 410 lumens (emergency)
Construction	White aluminium base with twist-on PMMA diffuser
Geartray	Integral to base
Cable entry	20mm hole (centre of back plate)
IP rating	IP 20
Insulation class	Class 1
Supply voltage	230V squiggly horizontal line 50Hz
Supply power	22.7W (mains) 26.1W (emergency)
Charge power (typical)	3.5W (emergency)
Battery	1 x 6.0V 2.0Ah NiCd
Dimensions	395mm (dia) x 113mm (H)
Weight	1.3kg (mains) 3.4kg (emergency)

Finishes

The Circu-LED is also available with a brushed silver body (see image right).

Spacing Data

	Mounting height (m)	Fitting to wall	Fitting to fitting
1 Lux min at centre	2.5	4.2	10.7
	4.0	4.8	12.5
0.5 Lux min (open area)	2.5	5.2	11.6
	4.0	5.4	13.0

Round-LED IP65   Mains Voltage

The Round-LED range provides both mains and emergency lighting from a well designed luminaire with a white polycarbonate base and opal polycarbonate diffuser, sealed to IP65, making it suitable for both interior and external applications.

The luminaire has a unique lever to release the diffuser which can be secured with the supplied locking screw to increase tamper/vandal resistance. Internally, the removable steel geartray has 54 white high output long life LEDs mounted upon it reveals access to the control gear and terminal blocks.

The Round-LED range supports all the features of the LuxIntelligent range of emergency lighting test panels and also fully complies with the requirements of EN60598.2.22. It also meets with the current Part L energy targets offering over 60 lumens per Watt.

Operation

The luminaire can be supplied in both mains only or maintained emergency versions (non-maintained can be achieved by excluding the normal switched mains live supply). Both versions can be supplied with dimming control as well microwave presence detectors. All emergency versions provide 3 hour duration from the integral high temperature (NiMH) batteries.

Maintained versions can be used for standard switched mains lighting but will automatically provide emergency lighting in the event of a complete loss of local mains supply.

Installation

The luminaire has 20mm drilling points on the base for cable entry.

Light curve output
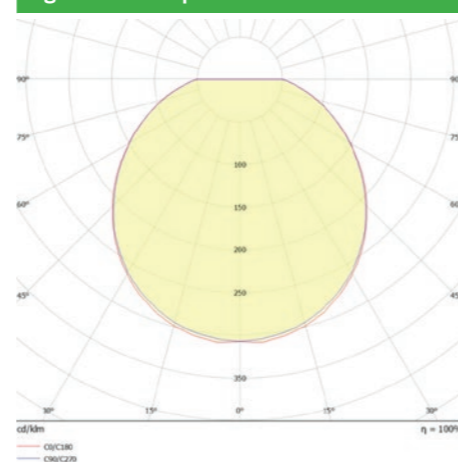
Key Features

Versatile circular LED luminaire

Long life LEDs (50,000 hours)

Fully LuxIntelligent compatible

Low power consumption

Standard and emergency versions available

IP65 luminaire

Fully complies with all aspects of EN60598.2.22

Specification

Light Source	54 x white LEDs (2200lm)
Colour temperature	4500K
Construction	White polycarbonate base and opal polycarbonate diffuser
Geartray	Hinged white painted steel fixed via 3 screws
Dimensions	330mm (Dia) x 126mm (H)
Cable entry	20mm drilling points
Light output	1410 Lumens (mains) 350 Lumens (emergency)
IP rating	IP65
Ambient temperature	25°C
Insulation class	Class II
Supply voltage	230V ~ 50Hz
Supply power	13w (mains) 17w (emergency)
Battery	1 x 6.0V 2.0Ah (NiCd)
Weight	2.8kg (mains) 3.4kg (emergency)

Spacing Data

Mounting height (m)	Spacing (M) Min. 0.5 Lux Open Area	Spacing (M) Min. 1 Lux Escape
2.0	10.7	7.7
2.5	11.6	7.9
3.0	12.5	8.1
4.0	12.5	8.4

Refined-LED

Mains Voltage

The Refined-LED range offers decorative surface-mounted circular luminaires incorporating high output white LEDs within a 'sealed' polycarbonate light source enclosure, minimising loss of efficacy due to dirt.

The mains driver and emergency lighting gear is installed in the back of the housing away from internal heat sources. The main luminaire housing is installed by twisting onto the first fix ring.

The Refined-LED range offers an exceptional opportunity to design contemporary lighting installations with aesthetic luminaires specifically designed to offer mains-only or maintained emergency lighting with integral microwave presence detectors for switching the mains operation where required. Refined-LED luminaires comply with EN60598.

Standard Refined-LED luminaires provide 2100 Luminaire Lumens at 25 Watts (84lm/W). The luminaires are available with standard mains drivers or with integral 3 hour duration maintained emergency gear that is fully compatible with any LuxIntelligent system.

Mains and emergency versions may be specified with an integral microwave presence detector to switch the mains

lighting. Sensitivity, 'on' time and ambient light levels can be selected during installation. The LuxIntelligent emergency lighting version uses integral high temperature nickel cadmium batteries.

Maintained versions can be used for standard switched mains lighting, but will automatically provide emergency lighting in the event of a complete loss of normal mains supply.
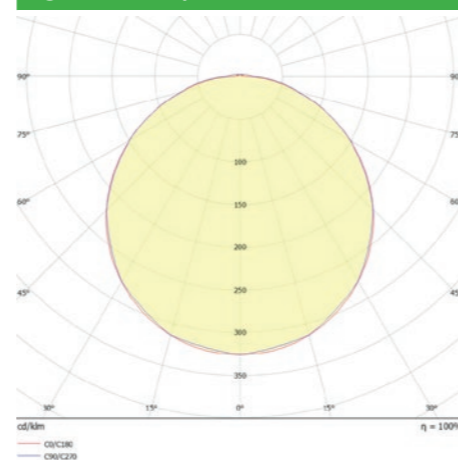
Key Features

Decorative circular LED luminaire
Fully LuxIntelligent compatible
Long-life LEDs (50,000 hours)
Low power consumption
Standard mains versions available
Fully complies with all aspects of EN60598.2.22
Microwave detector options available

Specification

Dimensions	360mm diameter x 65mm deep
Supply voltage	230V (220-240V) @ 50Hz
Supply power	Mains: 25W Maintained: 27W
Light output	2100 lumens (mains) / 230 lumens (emergency)
Charge power (typical)	1.9W
Light source	4000K surface mount white LEDs (3480 lumens)
Construction	Polycarbonate housing & steel first fix ring
Insulation class	Class II
Cable entry	Through first fix steel ring
IP rating	IP 20 (at 25°C)
Dimensions	400mm diameter
Weight	2.6kg (mains) / 3.5kg (emergency)
Battery (maintained)	1 x 6.0V 2.0Ah NiCd

Light curve output

Dimensions
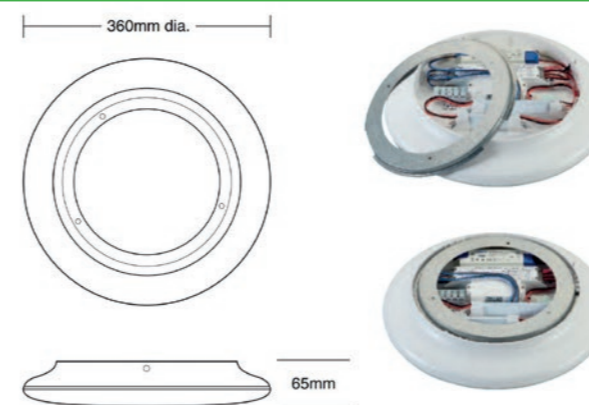
In Use Example

Spacing Data

	Mounting height (m)	Fitting to wall	Fitting to fitting
1 Lux min at centre	2.5	4.7	11.2
	4.0	5.0	12.9
0.5 Lux min (open area)	2.5	5.7	12.2
	4.0	6.0	13.6

Amenity-LED Round Mains Voltage

The Amenity-LED Round luminaire provides an attractive but robust solution for providing lighting to walkways, tunnels, storage areas, car parks and are fully compatible with both existing and new LuxIntelligent systems.

The enclosure is sealed to IP65 and houses a geartray with HF electronic driver and multi-circuit LED board. The Polycarbonate lens and halo-effect side band provide excellent photometric performance (1250 luminaire lumens).

The robust Cast Aluminium and Polycarbonate enclosure is vandal resistant and provides protection to IP65. Suitable for ambient temperatures of up to 35°C (25°C for emergency versions) the units are ideal for interior and exterior environments.
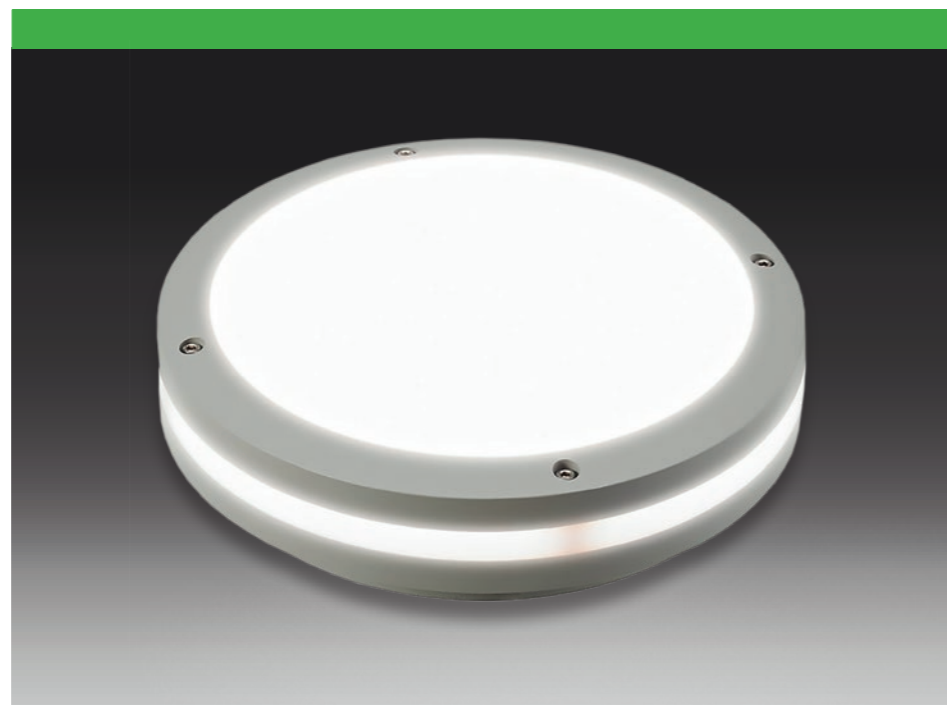
Operation

The Amenity-LED Round luminaires are available with mains only or maintained emergency operation. All emergency versions provide 3-hour duration from integral high temperature nickel cadmium (NiCd) batteries.

Maintained versions can be used for standard switched mains lighting but will automatically provide emergency lighting in the event of a complete loss of normal mains supply. (Non-maintained operation is available by excluding a switched live supply).

The benefits of the modern white low power LEDs include long life (typically 50,000hours+), excellent energy efficiency (>100lm/W), low operating temperatures therefore improving the life of the internal batteries, and good operation at low ambient temperatures.

These luminaires incorporate high quality mains drivers and separate state-of-the-art emergency gear, and they fully comply to the requirements of EN60598.2.22

Light curve output

Key Features

Decorative round LED luminaire
Fully addressable and compatible with LuxIntelligent systems
IP65 rating
Robust cast aluminium construction
Long-life LEDs (50,000+ hours)
Low power consumption
Fully complies with all aspects of EN60598.2.22
1250lm under mains operation
235lm under emergency operation

Specification

Product	Amenity-LED Round
Luminaire LED lumens	2000lm
Construction	Cast aluminium body with polycarbonate opal lens
Geartray	White PCB fixed via 2 screws
Dimensions	300mm (diameter) x 100mm (H) / 20mm cable entry in rear
Light source	Surface mounted white LEDs (2000 lumens) – 4000K
Luminaire lumens (mains)	1250lm (1175lm with tri-guard)
Luminaire lumens (emergency)	235lm (200lm with tri-guard)
IP rating	IP65
Ambient temperature (Ta) / insulation class	25°C / Class I
Supply voltage	230V ~ 50Hz
Supply power / charge power	19.2W / 3.5W (16.4W mains only)
Battery	1 x 6.0V 2.0Ah NiCd
Weight	Approx. 3.5kg (2.8kg mains only)

Spacing Data

Mounting height Hm (m)	Spacing (m) min 0.5 Lux open area	Spacing (m) min 1 Lux escape
2.0	10.7	7.5
2.5	11.3	7.6
3.0	12.3	7.8
4.0	12.5	8.2

Dimensions

300 dia.

100

Tri-guard

Exploded view

Amenity-LED Square

Mains Voltage

The Amenity-LED Square luminaire provides an attractive but robust solution for providing lighting to walkways, tunnels, storage areas and car parks. It is fully compatible with both existing and new LuxIntelligent systems.

The enclosure is sealed to IP65 and houses a geartray with HF electronic driver and multi-circuit LED board. The polycarbonate lens and halo-effect side band provide excellent photometric performance (1420 luminaire lumens).

The robust cast aluminium and polycarbonate enclosure is vandal resistant and provides protection to IP65. Suitable for ambient temperatures of up to 35°C (25°C for emergency versions), the units are ideal for interior and exterior environments.
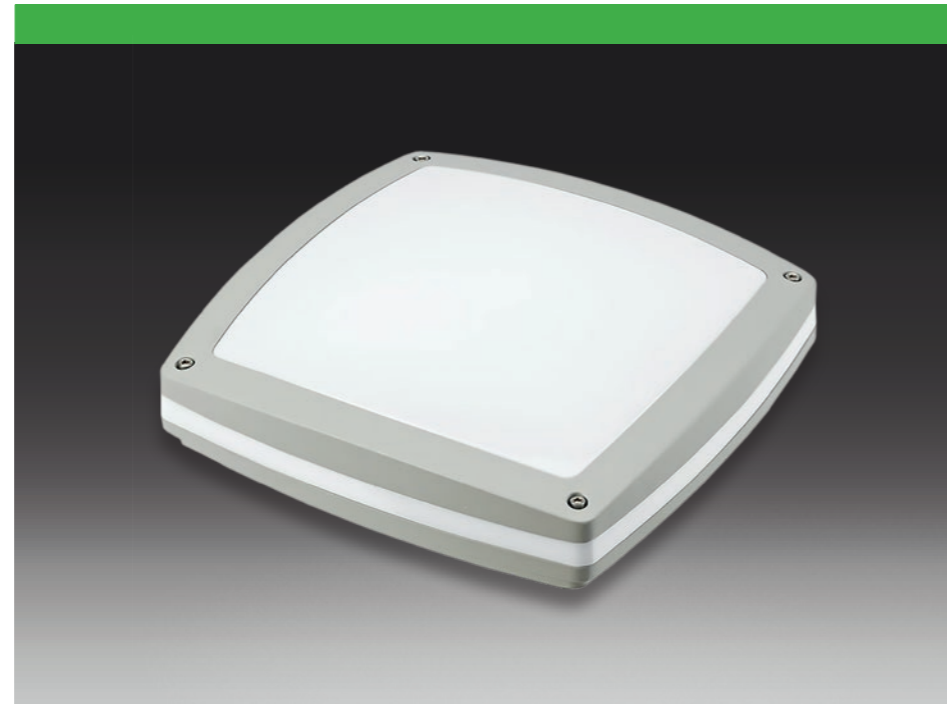
Operation

The Amenity-LED Square luminaires are available with mains only or maintained emergency operation. All emergency versions provide 3-hour duration from integral high temperature nickel cadmium (NiCd) batteries.

Maintained versions can be used for standard switched mains lighting but will automatically provide emergency lighting in the event of a complete loss of normal mains supply. (Non-maintained operation is available by excluding a switched live supply).

The benefits of the modern white low power LEDs include long life (typically 50,000hours+), excellent energy efficiency (>100lm/W), low operating temperatures therefore improving the life of the internal batteries, and good operation at low ambient temperatures.

These luminaires incorporate high quality mains drivers and separate state of the art emergency gear, and they fully comply with the requirements of EN60598.2.22

Light curve output

Key Features

Decorative square LED luminaire
Fully addressable and compatible with LuxIntelligent systems
IP65 rating
Robust cast aluminium construction
Long-life LEDs (50,000+ hours)
Low power consumption
Fully complies with all aspects of EN60598.2.22
1420lm under mains operation
245lm under emergency operation

Specification

Product	Amenity-LED Square
Luminaire LED lumens	2000lm
Construction	Cast aluminium body with polycarbonate opal lens
Geartray	White PCB fixed via 2 screws
Dimensions	300mm (square) x 100mm (H) / 20mm cable entry in rear
Light source	Surface mounted white LEDs (2000 lumens) - 4000K
Luminaire lumens (mains)	1420lm
Luminaire lumens (emergency)	245lm
IP rating	IP65
Ambient temperature (Ta) / insulation class	25°C / Class I
Supply voltage	230V ~ 50Hz
Supply power / charge power	19.2W / 3.5W (16.4W mains only)
Battery	1 x 6.0V 2.0Ah NiCd
Weight Approx.	3.7kg (2.9kg mains only)

Spacing Data

Mounting height Hm (m)	Spacing (m) min 0.5 Lux open area	Spacing (m) min 1 Lux escape
2.0	10.7	7.5
2.5	11.3	7.6
3.0	12.3	7.8
4.0	12.5	8.2

Dimensions

300 Sq.

100

Weather-LED

Mains Voltage

Weather-LED luminaires provide attractive and robust solutions for providing lighting to areas such as walkways, tunnels, storage areas and car parks and are fully compatible with both existing and new LuxIntelligent systems.

Weather-LED is available in a choice of three covers: standard, eyelid and crossblade. The eyelid and crossblade covers are cast aluminium for additional robustness - see photos for examples.

The enclosure is sealed to IP65 and houses a geartray, electronic driver and multi-circuit LED board. The polycarbonate lens provides excellent photometric performance (1750 luminaire lumens).

The robust cast aluminium and polycarbonate enclosure is vandal resistant and provides protection to IP65/IK10. Suitable for ambient temperatures of up to 35°C (25°C for emergency versions), the units are ideal for both interior and exterior environments.

Standard Cover

Operation

Weather-LED luminaires are available as a maintained emergency operation. All versions provide a 3-hour duration from integral high temperature nickel cadmium (NiCd) batteries.

By being maintained luminaires, they can be used for standard switched mains lighting but will automatically provide emergency lighting in the event of a complete loss of normal mains supply.

The benefits of the modern white low power LEDs include long life (typically 50,000 hours+), excellent energy efficiency, and low operating temperatures which improves the life of the internal batteries.

Weather-LED luminaires are fully comply to the requirements of EN60598.2.22.

Key Features

- Decorative circular LED luminaire
- Fully addressable and compatible with LuxIntelligent systems
- IP65 rating
- Multiple covers available
- Long-life LEDs (50,000 hours)
- Low power consumption
- Standard and microwave sensor versions available
- Fully complies with all aspects of EN60598.2.22
- 1750lm under mains operation
- 280lm under emergency operation

Light curve output

cd/klm
— C0/C180
— C90/C270
η = 125%
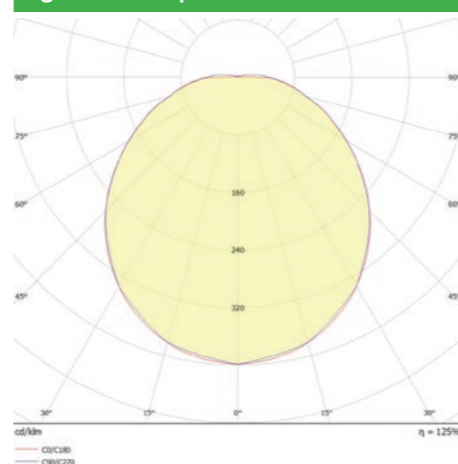
Specification

Specification	
Product	Weather-LED
Light source	Multi-circuit LEDs
Construction	Cast aluminium body (incl. EYE or CDB covers) with polycarbonate opal lens
Geartray	White PCB fixed keyhole slots
Dimensions	360mm (diameter) x 100mm max (H)
Cable entry	20mm conduit in back
Light source	Surface-mounted white LEDs (2500lm max.)
Colour temperature	4500K
Luminaire lumens (mains)	1750lm (1400lm EYE version)
Luminaire lumens (emergency)	280lm (224lm EYE version)
IP rating	IP65
Ambient temperature (Ta)	35C (25C emergency)
Insulation class	Class I
Supply voltage	230V 50Hz
Supply power	22.0W (21.4W EYE version)
Charge power (typical)	3W
Battery	5 x 2Ah NiCd sub-C cells
Weight	3.9kg

Spacing Data

Mounting height Hm (m)	Spacing (m) min 0.5 Lux open area	Spacing (m) min 1 Lux escape
2.0	10.7	7.5
2.5	11.3	7.6
3.0	12.3	7.8
4.0	12.5	8.2

Eyelid Cover

Crossblade Cover

Dimensions

380
105
30 75
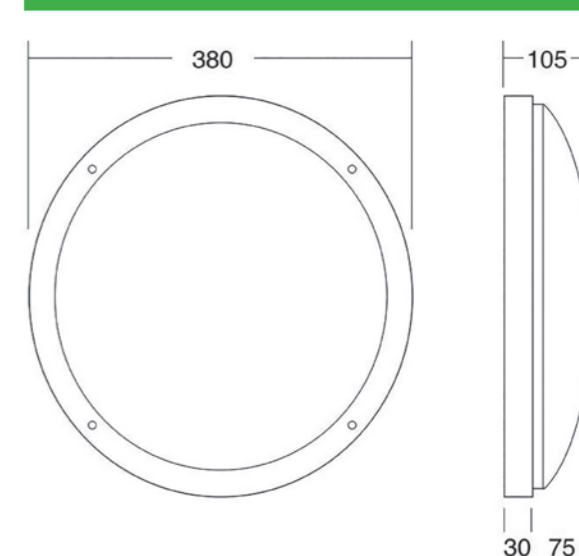
Vapour-LED IP65 Non-Corrosive

The Vapour-LED is a linear, IP65, non-corrosive, vapour-proof luminaire that fully supports all features of the LuxIntelligent test system and complies fully with all the relevant requirements of EN60598.2.22.

The Vapour-LED is supplied with integral maintained emergency lighting control gear. The non-maintained operation is achieved by excluding the switched live supply. The self-contained variants offer 3-hour emergency lighting duration from integral nickel metal hydride batteries (NiMH).

The luminaires can be used for standard switched mains lighting but will automatically provide emergency lighting in the event of a loss of local mains supply. They are ideal for low-maintenance applications offering 4 to 5 years of maintenance-free operation and provide an excellent solution to anywhere with a high lux requirement.

Utilising bespoke led modules, these long-life/low maintenance luminaires are ideally suited for interior and exterior lighting applications where energy efficiency and low maintenance costs are of prime importance. The Vapour-LED luminaires provide a low energy, long life alternative to conventional linear fluorescent luminaires. The Vulcan LED luminaire is more tolerant to temperature extremes than fluorescent equivalents and is ideally suited to areas where access would be difficult for regular lamp replacement schedules.

The IP65 rated enclosure is suitable for surface or suspended installation. The sealed polycarbonate enclosure utilises stainless steel clips making the complete luminaire ideal for food preparation areas.

The high transmission opal diffuser is optimised for a wide photometric distribution and the Vapour-LED IP65, non-corrosive, vapour-proof LED luminaires provide excellent general illuminance with very low energy consumption and LED's exceeding 50,000 hours continuous use.

Key Features

Fully compatible with LuxIntelligent test system

High output 535 Lumens in Emergency Mode

4550 Lumens in Mains Operation

Low power consumption, long-life LEDs (50,000+ hours)

IP65-rated

Non-corrosive / vapour-proof

Specification

Light source	High power LED on aluminium heat sink
Construction	Poly carbonate enclosure and special opal diffuser
Dimensions	1500mm (L) x 110mm (W) x 75mm (H)
Light source	Two rows LED modules (53W)
Luminaire lumens	4550lm mains / 535lm emergency
IP rating	IP65
Environmental rating	Ta25
Insulation class	Class I
Supply voltage	230V 50Hz
Supply power	53W
Battery	6V 4AH NIMH (2C + 3C)
Weight	4.0KG

Spacing Data

1 lux minimum at centre line (escape route)

Mounting Height (M)	Trans. to wall	Trans. to trans.	Axial to trans.	Axial to axial	Axial to wall
2.5	4.8	12.1	10.9	4.2	10.3
4.0	5.5	14.3	12.9	4.9	12.5
8.0	5.1	16.1	14.5	4.6	14.6
10.0	3.5	15.5	14.0	3.2	14.1
12.0	0.0	13.7	12.3	0.0	12.6

0.5 lux minimum (open area)

Mounting Height (M)	Trans. to wall	Trans. to trans.	Axial to trans.	Axial to axial	Axial to wall
2.5	6.1	15.0	13.5	5.1	12.5
4.0	7.1	18.0	16.2	6.2	15.4
8.0	8.1	22.1	19.9	7.2	19.7
10.0	7.7	22.8	20.5	7.0	20.5
12.0	6.9	22.7	20.4	6.2	20.6

Dimensions

75mm

1500mm

110mm

(not to scale)

Light Output Curve

C0 / C180   cd / 1000 lm   C90 / C270
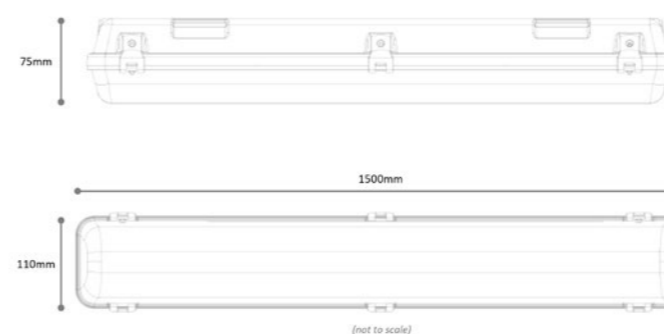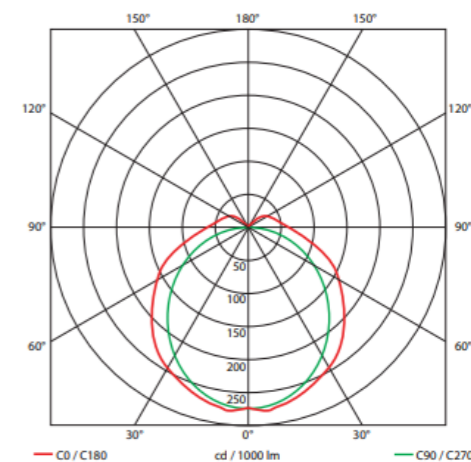
Twin-LED

Mains Voltage

The Twin-LED projector luminaire provides a simple and efficient means of creating a high level of emergency illumination across a given area. The luminaire uses a unique lens system offering a high degree of optical control, resulting in high-intensity beam patterns across a working plane.

Operation

The standard luminaire mode of operation is as a non-maintained emergency unit. In the event of a power failure, the units will switch to emergency operation immediately, making them ideal for high-risk areas. They will operate the projectors for three hours, or until the return of power. The two 3 watt LED projector heads are powered by integral nickel cadmium (NiCd) rechargeable batteries that fully comply with the requirements of BSEN 60598-2-22. The emergency function fully supports all the features of the LuxIntelligent test system.

Installation

The projector heads can be remotely mounted away from the control box. The construction of the control box also allows for the mounting of the unit with the projectors on the underside. The luminaire has 20mm knock-outs in one end at the back for ease of cable entry.

Light curve output

Key Features

Ideal for high risk processes
Energy-efficient LED solution
Complies with BS EN 60598-2-22
Full photometry available
Wall-mounted at 2.5m, can be spaced at 25m achieving 1 Lux centre line
Fully compatible with the LuxIntelligent test system

Specification

Supply voltage	230V (220-240V) @ 50Hz
Supply power	2.9W
Light source	Two 3W LED heads (9 white LEDs each)
Light output	2 * 380lm
Recharge period	24 hours (14 hours to one hour duration)
Charging power (typical)	2.9W
IP rating	IP20
Ambient temperature	25°C
Insulation class	Class II
Colour temperature	5000K
Dimensions (mm)	275 x 155 x 55 (W x H x D)
Total height (including heads, mm)	300
Weight	3.6kg
Battery	3.6V 4.0Ah NiCd

Twin-LED dimensions
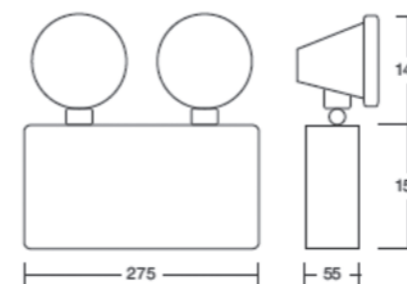
TLED/NM3/P

Twin LED IP65 Weatherproof

The Twin-LED IP65 weatherproof projector luminaire provides a simple and efficient means of creating a high level of emergency illumination across a given area. The luminaire uses a unique lens system which offers high degree of optical control, resulting in high-intensity beam patterns across a working plane.

Operation

The standard luminaire mode of operation is as a non-maintained emergency unit. In the event of a power failure, the units will switch to emergency operation immediately, making them ideal for high-risk areas. They will operate the projectors for three hours, or until the return of power. The two 3 Watt LED projector heads are powered by integral nickel cadmium (NiCd) rechargeable batteries that fully comply with the requirements of BS EN 60598-2-22. The emergency function fully supports all the features of the LuxIntelligent test system.

Installation

The projector heads can be remotely mounted away from the control box. The construction of the control box also allows for the mounting of the unit with the projectors on the underside. The luminaire has 20mm knock-outs in one end at the back for ease of cable entry.

Spacing

When wall mounted at 2.5m high, the Twin-LED can be spaced 25 metres apart to achieve 1 Lux on a corridor centre line. Full photometric files available on request.

Light curve output
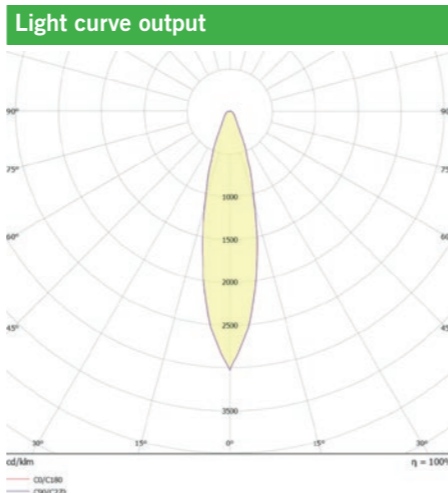
Key Features

IP65 Weatherproof
Ideal for high risk processes
Energy efficient LED solution
Complies with BS EN 60598-2-22
Full photometry available
Wall mounted at 2.5m, can be spaced at 25 metres achieving 1 Lux centre line
Fully compatible with LuxIntelligent test system
IP20 variant available

Specification

Supply voltage	230V (220-240V) @ 50Hz
Supply power	6W
Light source	Two 3W LED heads (5 white LEDs each)
Light output	2 * 520lm
Recharge period	24 hours (14 hours to one hour duration)
Charging power	2.5W (typical)
IP rating	IP65
Ambient temperature	25℃
Insulation class	Class II
Colour temperature	5000K
Dimensions (mm)	280 x 190 x 140 (W x H x D)
Total height (including heads, mm)	310
Weight	3.6kg
Battery	7.2V 4.5Ah NiCd

Twin-LED IP65 Weatherproof Dimensions
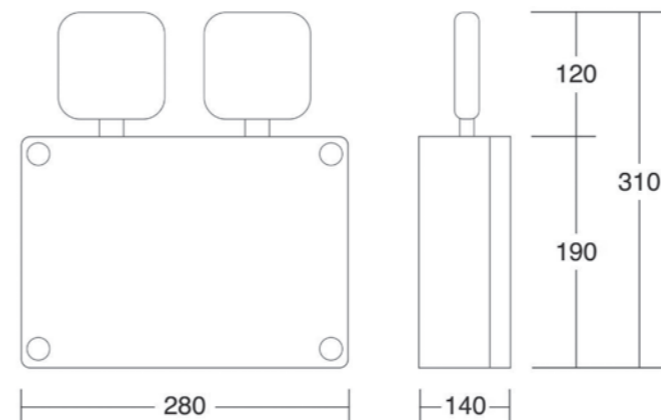
Standby / Non-Maintained

Blade LED

Mains Voltage

The Blade LED range of LED exit sign luminaires meets all the expectations of LED luminaires – long life, lower energy and a choice of attractive design solutions.

All variations are supplied with legend 'screens' mounted onto the face of an acrylic panel. The luminaires can be surface mounted, suspended or recessed. The recessed units look more conventional but still use the latest LED technology. The surface-mounted and suspended versions feature extruded aluminium housings for the LEDs and associated control gear, with separate kits available to convert a standard ceiling mounting luminaire into a suspended or wall-mounted variation.

Suspended and surface-mounted Blade LEDs are much smaller and more attractive than their conventional fluorescent counterparts, but still meet all the requirements, including achieving the 28-metre viewing distance. 15 high-brightness white LEDs clearly and evenly illuminate the safety sign legends.

Operation

All units are supplied with integral maintained emergency lighting control gear, which can be configured to run in a non-maintained condition too. In the event of a supply failure, the exit signs will be illuminated for three hours. The luminaires support all the features of the LuxIntelligent range of emergency lighting test panels.

Installation

A range of mounting brackets are available to allow direct fixing to walls and ceilings for both surface and suspended versions, while the recessed version comes complete with adjustable arms to simplify installation into different thicknesses of supporting surfaces. The recessed unit is supplied with a visible ceiling plate.

Key Features

Long life and low energy performance
Recessed, suspension and surface mount versions available
Fully compatible with LuxIntelligent test system
Complies with EN60598.2.22
28m viewing distance
Available in white, chrome and black

Specification

Supply voltage	230 Volt (205-255V) @ 50Hz
Supply power	4.5W
Charge supply (typical)	1.7W
Light source	15 long life white LEDs
Colour temperature	4500K
Battery	4.8V 0.9Ah NiCd
Charge current	200mA nominal
Recharge period	24 hours (14 hours for 1 hour)
IP rating	IP20
Weight	Less than 3kg

Dimensions
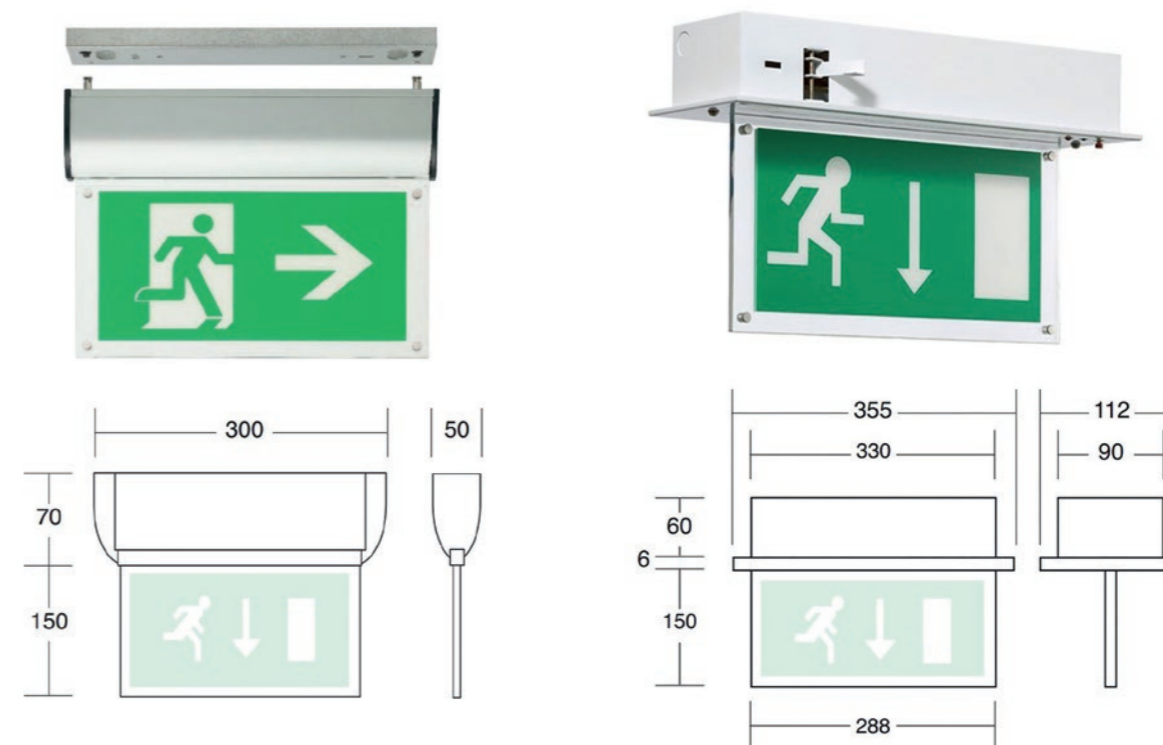
Exi-LED

Mains Voltage

The Exi-LED exit sign is a reliable, attractive product that offers excellent performance with long life and low energy benefits. Its slim but robust welded steel housing, available in a selection of finishes, provides a 'picture frame' appearance around the brightly lit exit legend.

These legends are available with a choice of directions and formats (European or ISO). Although smaller than conventional fluorescent exit signs, the Exi-LED still provides a useful 25-metre viewing distance, in both mains and emergency modes with 15 high brightness white LEDs and state-of-the-art reflector. The Exi-LED fully supports all features of the LuxIntelligent test system and complies with all the relevant requirements of EN60598.2.22.

Operation

The Exi-LED panel features matrix dot coating to ensure the LEDs evenly illuminate the safety sign legend. Standard luminaires are supplied with integral maintained emergency control gear, which in the event of a power failure, will ensure the exit sign continues to operate with the same sign luminance for three hours from the internal NiMH battery.

Installation

The Exi-LED mounts on the wall using simple keyhole slots or via the central BESA entry. The front cover simply hooks onto the back plate and is retained with a single fixture located centrally on the base.

Key Features

Fully compatible with LuxIntelligent test system

Long life and low energy performance

Sleek stylish design

Fully complies with all aspects of EN60598.2.22

Specification

Operation	Maintained 3 hour
Light source	15 long-life white LEDs
Battery	2.4V 2.0Ah NiMH
Input voltage	230V +/-10% 50Hz
Charge current	100mA nominal
Recharge period	24 hours (14 hours for one-hour duration)
Power	10VA
IP rating	IP20
Weight	1.7kg
Cable entry	Central rear BESA entry

Legends

The standard Exi-LED is supplied with ISO format exit legends. Unless stated, the luminaire will be supplied with the arrow down direction.

The legends are also available in the EC Signs Directive.

Dimensions
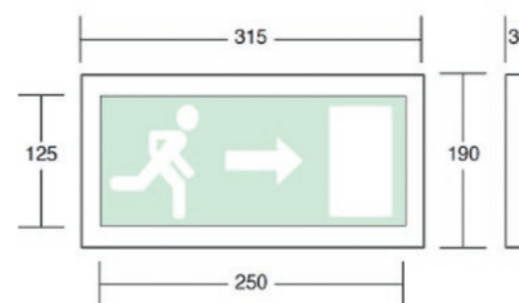
Escape-LED

Mains Voltage

The Escape-LED range provides excellent viewing distances of 36 metres using long life, low energy LEDs as a light source.

The benefits of the modern white low-power LEDs include long life (typically 50,000 hours+), excellent energy efficiency(>100lm/W) and low operating temperatures which improves the life of the internal batteries.

Escape-LED exit sign luminaires feature epoxy-coated steel enclosures with screen printed opal polycarbonate legend panels, enclosing integral rechargeable batteries and a PCB fitted with advanced wide-angle white LEDs and an efficient driver circuit.

Operation

The Escape-LED range is supplied with Maintained operation as standard, providing 3-hour duration from integral high temperature Nickel Cadmium (NiCd) batteries, and is fully compatible with new and existing LuxIntelligent addressable systems. (Non-maintained operation is available by excluding a switched live supply).

Pictogram legend panels complying with the Safety Signs Regulations are supplied as standard but ISO sign formats are also available. The luminaire offers bright and even luminance across the legend panel, ensuring maximum visibility in the event of an emergency. It fully complies with BS EN 60598.2.22.

Key Features

Excellent 36-metre viewing distances
Robust design with an epoxy coated steel body
Fully complies with EN60598.2.22
Supports all the features of the LuxIntelligent range of testing panels
Long lasting (50,000+ hours) and low power LEDs
385mm (L) x 185mm (W) x 71mm (H)

Specification

Product	LED Bulkhead and Exit Sign
Light source	16 x white LEDs
Luminaire lumens	N/A
Sign viewing distance	36m
Construction	Epoxy-coated steel body with screen printed Polycarbonate legend panel
Geartray	Integral to base
Dimensions	385mm (L) x 185mm (W) x 71mm (H)
Cable entry	200mm knock-outs
Colour temperature	4500K
Lumens (emergency)	N/A
IP rating	IP20
Ambient temperature (Ta)	25℃
Insulation class	Class I
Supply voltage	230V ~ 50Hz
Supply power	3.0W
Charge power (typical)	1.7W
Battery	1 x 3.6V 1.5Ah NiCd
Weight	1.6kg

Dimensions

71
385
185
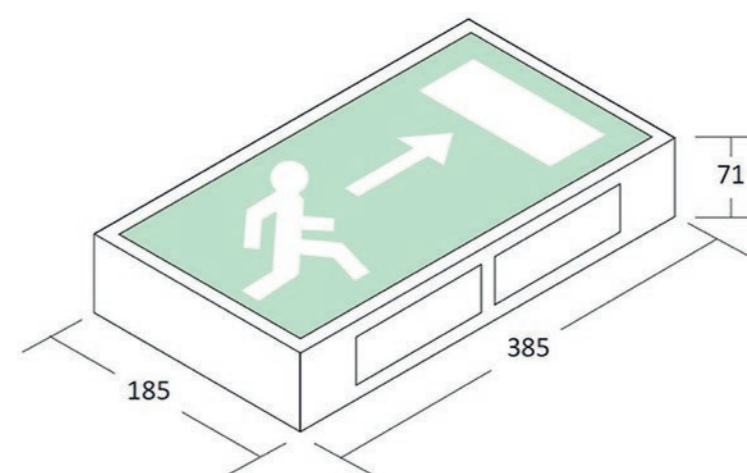
Cine-LED

Mains Voltage

Cine-LED escape luminaires provide a simple solution to discrete escape signage.

They are available as both maintained and non-maintained variations and come with an opal downlight panel to illuminate directly below the luminaire. In an emergency, the escape sign is illuminated with high quality LEDs.

The Cine-LED escape luminaires are constructed in black epoxy coated galvanised steel and are designed to reduce unwanted light emission. This makes them suitable for many applications such as theatres, cinemas, school halls and photography rooms.

The black opaque exit legend is hidden unless illuminated, making it idealnot just for exit directions, but also for customised warnings only applicable under certain conditions, for example 'Do Not Enter' (get in touch for specific requirements).

The luminaire fully complies with EN60598.2.22 but please note, the legend/pictogram itself is available in European Signs Directive format (pictured right) and ISO 7010 running man but they are not fully compliant to BS 5499 Pt 4 or ISO 7010.

Ultimately, the premises where these escape signs are fitted need to meet the requirements of the Regulatory Reform (Fire Safety) Order 2005 which is done by carrying out a fire-risk assessment. If the responsible person or persons conducting this risk assessment decide that a green on black sign is acceptable because of the reduced light levels in a particular area, then provided this is documented and regularly reviewed, this would mean that

the premises are deemed to meet the requirements of the Regulatory Reform Order.

The luminaire fully supports all the features of the LuxIntelligent range of emergency lighting test panels when ordered as an addressable unit.

Key Features

Low light emissions when not required
Uses LEDs to illuminate escape sign
Complies with EN60598.2.22
Fully supports LuxIntelligent testing panels
Available in EC or ISO standard running man
Available in mains only and 3 hour maintained or non-maintained

Specification

Light source	16 x white LEDs (4500K)
Sign viewing distance (when lit)	36M
Construction	Epoxy coated steel body with screen printed polycarbonate legend panel
Geartray	Integral to base
Dimensions	385mm (L) x 185mm (W) x 71mm (H)
Cable entry	20mm knock-outs
IP rating	IP20
Ambient temperature (Ta)	0° to 25°C
Insulation class	Class I
Supply voltage	230V ~50Hz
Supply power	3.0W (2.4W mains only)
Charge power (typical)	1.7W
Battery back-up	1 x 3.6V 1.5Ah NiCd
Weight	1.6kg (1.4kg mains only)

Dimensions
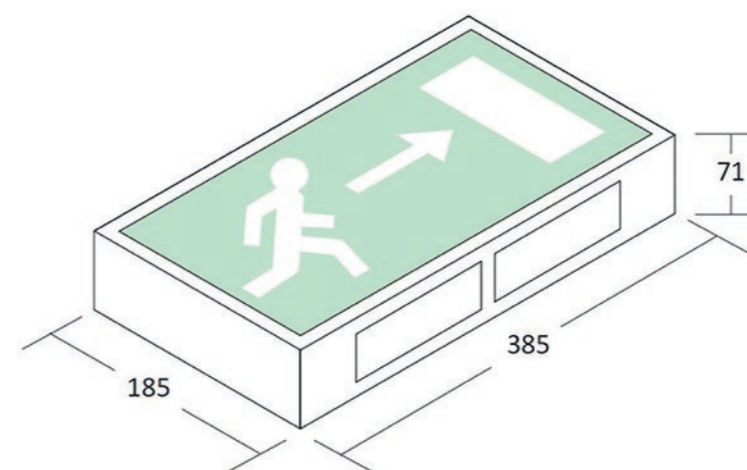
Dynamic Safety Signage

Solve exit issues and improve safety with dynamic signage.

Lack of adequate information about exit routes and natural human behaviour means people often make poor decisions in an emergency.

1 People don't always notice escape route signs

2 People are unlikely to follow a new/unfamiliar exit route in an emergency

3 People choose familiar, rather than nearest, exits – even when smoke is present

4 In many fatal fires, the most familiar exit is also the most dangerous

- 2x better detection and 3x better decision making
- Symbols instead of words ensure clarity for all nationalities
- Safety sign fittings comply with EN1838 and luminaires comply with EN60598-2-22, ISO 30061, ISO 3864-1 and ISO 3864-4

Dynamic signage enables better decision-making and quicker escape.

Dynamic safety signage helps people evacuate safely in an emergency. It fully complies with visibility standards, is self testing and fully monitored for complete peace of mind.

- Clearly indicates the safest escape route at all times
- Reduces the risk of dangerous bottlenecks
- Uses pulsing arrows that capture attention and compel action
- Instantly adapts exit signage as emergency situations change

Integrating dynamic safety signage with the fire system

You can use dynamic signage as part of your LuxIntelligent light testing system, which in turn integrates with almost any fire system.

Dynamic signage can be automatically triggered in an emergency via the fire panel. Using pulsing green LED arrows, it offers clear, directional signage for occupants to follow to find their nearest escape route.

Using cause and effect, it also highlights escape routes that are no longer viable using a red cross and guides occupants towards an alternative route.

An example building layout

This example shows the fire and lighting system actively moving occupants away from the main entrance which is blocked by a fire. The dynamic signage is triggered by cause and effect software in the fire panel and shows:

- Where the viable escape routes are
- The routes that are no longer viable
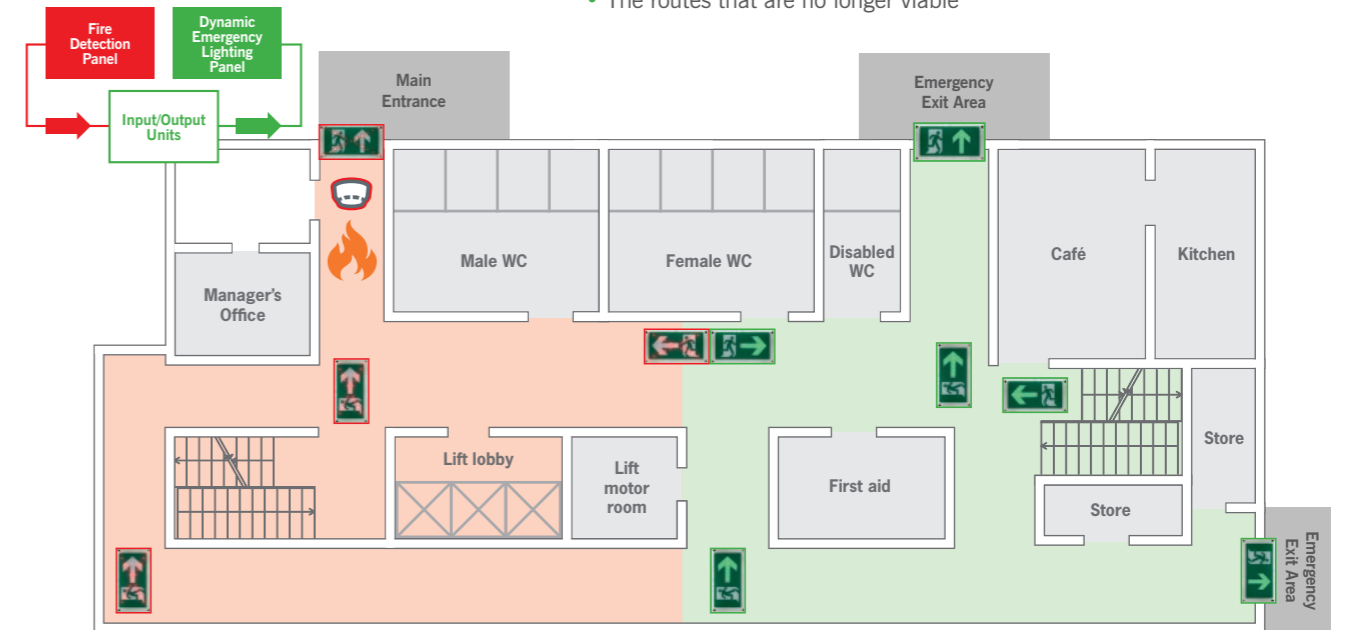
Compatible with LuxIntelligent – the Advanced emergency lighting test system

Dynamic safety signage is easy to monitor and test when used as part of a LuxIntelligent analogue addressable lighting test system.

The system features a unique panel which automatically monitors and tests your emergency lighting for easy, cost-effective compliance with BS 5266 – the Code of Practice for the emergency lighting of premises.

Maximum compliance
LuxIntelligent ensures that all your emergency lights work and are regularly tested to the relevant standards and records the results for maximum compliance. The digital test results are suitable to replace a manual log book in accordance with BS 5266 guidance.

Time saving
LuxIntelligent is quick to install. All testing is done automatically, with no intervention or engineer time required. Any maintenance needed is flagged for easy visibility.

Easy management
You can choose exactly what time and dates your emergency lighting is automatically tested. What's more, the panels and emergency lighting systems can be monitored and managed on a laptop, local PC or even connected to the Cloud and monitored by a mobile phone or remote computer.

Flexibility
A single LuxIntelligent panel can support up to 996 emergency lights and is highly flexible. Suitable for both retrofits and new builds, its huge capacity means that you can grow your system at your own pace.

Unlimited scaleability
A cabled network can support 200 panels. Alternatively, cloud networking enables an unlimited number of panels to be linked and managed remotely, anywhere in the world.

Cost effective
A LuxIntelligent system minimises the labour and effort needed to test and maintain your system. It keeps costs low and offers unbeatable performance, monitoring and ease of use. The average payback period for our addressable system is 1.5 to 2 years.

Dynamic Escape Sign

Recessed

When a fire alarm sounds, it is crucial that occupants leave the building quickly by the nearest exit, but around 70% of occupants miss conventional passive/static emergency escape signs.

Occupants unaware of standard escape signage tend to leave via their known, proven route – often the main entrance – which causes slower evacuation times and potentially dangerous bottlenecking; this can be especially dangerous if the main entrance is blocked in an incident.

LuxIntelligent's Dynamic Escape Sign, with a pulsing array of green LEDs, presents a clear and universally-understood directional arrow in the event of an incident and is proven to catch the attention of occupants. It enables them to make the right choices when escaping, improves evacuation time and lowers the risk of dangerous bottlenecking.

When passive, the Dynamic Escape Sign meets the requirements of EN 60598-2-22 and is suitable to be used as a fully compliant passive/static escape sign. It can be used in new builds or retrofitted in place of existing escape signage.

LuxIntelligent's Dynamic Escape Sign is fully fault-monitored and automatically tested by our LuxIntelligent panel in accordance with BS 5266-1.

When the dynamic pulsing green arrow is activated, the signage meets BS 7273-6:2019 (the code of practice for

Compliant static/passive mode

Active pulsing green arrow mode

the operation of fire protection measures) in relation to dynamic safety signage systems and intelligent signage – for example, how the signage should fail safe.

The dynamic pulsing green arrow can be triggered either manually (e.g. a key switch) or automatically by integrating our LuxIntelligent automatic testing panel with the existing fire alarm system via simple

input/output modules. The green arrows can be triggered either as individual devices, in zones or all at once, providing proof of compliance to BS 5266-1 and improving the life safety and evacuation speed of occupants.

The luminaire fully supports all the features of the LuxIntelligent range of emergency lighting test panels when ordered as an addressable unit.

Key Features

Fully compatible with LuxIntelligent system

Centrally reports and tests to BS 5266-1 requirements

When passive, fully complies to visibility standards and EN 60598-2-22

Manually or automatically triggered dynamic pulsing green arrow

Compatible with any fire alarm system

Occupants twice as fast at recognising dynamic escape signage

Occupants 3 times faster at making correct escape route decision

24 metre viewing distance

Available as single and double sided

Surface mount and IP65 variants available

'Red cross' option available – contact for more details

Specification

Supply voltage	230V AC @ 50Hz
Supply power	'Static/Passive' mode 6.0W
Supply power	'Dynamic' mode 13.5W
Light source	LED strip & dynamic led arrays (36,000+ hours)
Materials - body	Zintec galvanised steel
Materials - trim	Zintec powder-coated steel
Materials - legend	Cast-acrylic with pre-applied legend/built-in dynamics
Battery	4 cell 4.8V 1500-2100mAh NiMH
Recharge period	Less than 24 hours
IP rating	IP20
Weight Approx.	3kg

Recessed dimensions (mm)

Dynamic and adaptive range

See our adaptive range of escape signs for more information on our 'red cross' fully-adaptive system. Both dynamic and adaptive escape signs available in recessed, surface/wall mount and a wall mount IP65 variant.

Dynamic Escape Sign   Surface Mount

When a fire alarm sounds, it is crucial that occupants leave the building quickly by the nearest exit, but around 70% of occupants miss conventional passive/static emergency escape signs.

Occupants unaware of standard escape signage tend to leave via their known, proven route – often the main entrance – which causes slower evacuation times and potentially dangerous bottlenecking; this can be especially dangerous if the main entrance is blocked in an incident.

LuxIntelligent's Dynamic Escape Sign, with a pulsing array of green LEDs, presents a clear and universally-understood directional arrow in the event of an incident and is proven to catch the attention of occupants. It enables them to make the right choices when escaping, improves evacuation time and lowers the risk of dangerous bottlenecking.

When passive, the Dynamic Escape Sign meets the requirements of EN 60598-2-22 and is suitable to be used as a fully compliant passive/static escape sign. It can be used in new builds or retrofitted in place of existing escape signage.

LuxIntelligent's Dynamic Escape Sign is fully fault-monitored and automatically tested by our LuxIntelligent panel in accordance with BS 5266-1.

When the dynamic pulsing green arrow is activated, the signage meets BS 7273-6:2019 (the code of practice for the

operation of fire protection measures) in relation to dynamic safety signage systems and intelligent signage - for example, how the signage should fail safe.

The dynamic pulsing green arrow can be triggered either manually (e.g. a key switch) or automatically by integrating

our LuxIntelligent automatic testing panel with any existing fire alarm system via simple input/output modules. The dynamic pulsing green arrows can be triggered either as individual devices, in zones or all at once, providing proof of compliance to BS 5266-1 and improving the life safety and evacuatation speed of occupants.

Compliant static/passive mode

Active pulsing green arrow mode

Key Features

Fully compatible with LuxIntelligent system

Centrally reports and tests to BS 5266-1 requirements

When passive, fully complies to visibility standards and EN 60598-2-22

Manually or automatically triggered dynamic pulsing green arrow

Compatible with any fire alarm system

Occupants twice as fast at recognising dynamic escape signage

Occupants 3 times faster at making correct escape route decision

24 metre viewing distance

Available as single and double sided

Recessed version and IP65 variants available

'Red Cross' option available - contact for more details

Specification

Supply voltage	230V AC @ 50Hz
Supply power 'static/passive' mode	6.0W
Supply power 'dynamic' mode	13.5W
Light source	LED strip & dynamic led arrays (36,000+ hours)
Materials - body	Zintec galvanised steel
Materials - trim	Zintec powder coated steel
Materials - legend	Cast acrylic with pre-applied legend/built in dynamics
Battery	4 Cell 4.8V 1500-2100mAh NiMH
Recharge period	Less than 24 hours
IP rating	IP20
Weight	Approx. 3.3KG

Recessed dimensions (mm)

Dynamic and adaptive range

See our adaptive range of escape signs for more information on our 'red cross' fully-adaptive system. Both dynamic and adaptive escape signs available in recessed, surface/wall mount and a wall mount IP65 variant.

Dynamic Escape Sign IP65 Weatherproof

When a fire alarm sounds, it is crucial that occupants leave the building quickly by the nearest exit, but around 70% of occupants miss conventional passive/static emergency escape signs.

Occupants unaware of standard escape signage tend to leave via their known, proven route – often the main entrance – which causes slower evacuation times and potentially dangerous bottlenecking; this can be especially dangerous if the main entrance is blocked in an incident.

LuxIntelligent's Dynamic Escape Sign, with a pulsing array of green LEDs, presents a clear and universally-understood directional arrow in the event of an incident and is proven to catch the attention of occupants. It enables them to make the right choices when escaping, improves evacuation time and lowers the risk of dangerous bottlenecking.

When passive, the Dynamic Escape Sign meets the requirements of EN 60598-2-22 and is suitable to be used as a fully compliant passive/static escape sign. It can be used in new builds or retrofitted in place of existing escape signage.

LuxIntelligent's Dynamic Escape Sign is fully fault-monitored and automatically tested by our LuxIntelligent panel in accordance with BS 5266-1.

When the dynamic pulsing green arrow is activated, the signage meets BS 7273-6:2019 (the code of practice for the

Compliant static/passive mode

Active pulsing green arrow mode

operation of fire protection measures) in relation to dynamic safety signage systems and intelligent signage - for example, how the signage should fail safe.

The dynamic pulsing green arrow can be triggered either manually (e.g. a key switch) or automatically by integrating our LuxIntelligent automatic testing panel

with any existing fire alarm system via simple input/output modules. The dynamic pulsing green arrows can be triggered either as individual devices, in zones or all at once, providing proof of compliance to BS 5266-1 and improving the life safety and evacuation speed of occupants.

Key Features

IP65 weatherproof version suitable for exterior use
Fully compatible with LuxIntelligent system
Centrally reports and tests to BS 5266-1 requirements
When passive, fully complies to visibility standards and EN 60598-2-22
Manually or automatically triggered dynamic pulsing green arrow
Compatible with any fire alarm system
Occupants twice as fast at recognising dynamic escape signage
Occupants 3 times faster at making correct escape route decision
25 metre viewing distance
Available as single-sided only
Surface mount and recessed variants available
'Red cross' option available - contact for more details

Specification

Supply voltage	230V AC @ 50Hz
Supply power 'static/passive' mode	6.0W
Supply power 'dynamic' mode	13.5W
Light source	LED strip & dynamic led arrays (36,000+ hours)
Materials - body	Steel powder-coated white
Materials - legend	BS 476-7 Class 3 perspex with pre-applied legend/built in dynamics
Battery	4 cell 4.8V 2100mAh NiMH
Recharge period	Less than 24 hours
IP rating	IP65
Weight	Approx. 3KG

Recessed dimensions (mm)

A=330, B=208, C=70, D=250, E=129, F=20

Dynamic and adaptive range

See our adaptive range of escape signs for more information on our 'red cross' fully-adaptive system. Both dynamic and adaptive escape signs available in recessed, surface/wall mount and a wall mount IP65 variant.

Adaptive Escape Sign   Recessed

When a fire alarm sounds, it is crucial that occupants leave the building quickly by the nearest exit, but around 70% of occupants miss conventional passive/static emergency escape signs.

Occupants unaware of standard escape signage tend to leave via their known, proven route – often the main entrance – which causes slower evacuation times and potentially dangerous bottlenecking; this can be especially dangerous if the main entrance is blocked in an incident. In addition, static/passive escape signage may be routing occupants towards hazardous areas that are potentially filled with smoke and fire.

LuxIntelligent's Adaptive Escape Sign can illuminate a pulsing array of green LEDs providing a clear and universally understood directional arrow for occupants to follow to the nearest escape route but is also able to display an active Red Cross to highlight unviable escape routes.

When passive, the Adaptive Escape Sign meets the requirements of EN 60598-2-22 and is suitable to be used as a fully compliant passive/static escape sign in either a new build or is fully suitable to be retrofitted in place of existing escape signage.

LuxIntelligent's Adaptive Escape Sign is fully compatible with the LuxIntelligent Automatic Emergency Lighting Test System meaning the Adaptive Escape Sign is fully fault monitored and automatically tested by our LuxIntelligent Panel in accordance with BS 5266-1.

Controlling the Adaptive Escape Signage is achieved by integrating a 3rd party addressable Fire Input/Output Unit so

Compliant static/passive mode
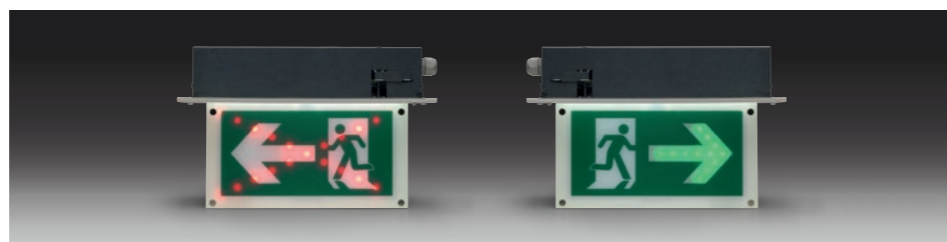
Active red cross and pulsing green arrow modes

the signage can be fully controlled via an Addressable Fire System's built in 'Cause and Effect' software – this allows the Fire System to have complete control of on-going escape route viability in accordance with BS 7273-6:2019 (Code of practice for the operation of fire protection measures).

The 'Cause and Effect' programming is usually the responsibility of the Fire Engineer and forms just one part of the overall Fire Evacuation Plan. If the pre-planned escape scenarios becomes exhausted, the Adaptive Escape Signs can simply revert back to all Pulsing Green Arrows or to a Static /

Passive (and therefore compliant) escape sign – enabling the system to fail safe.

The LuxIntelligent System provides a fully automatic emergency lighting test system that replaces the need for manual checks and testing on all emergency lighting on site and when integrated with any Fire Alarm System, our system can provide peace of mind by providing proof of compliance to BS 5266-1 but also allow the Fire System to actively route occupants away from hazardous areas in the event of an incident providing improved life safety and safer evacuations.

Key Features

Fully compatible with LuxIntelligent System
Centrally reports and tests to BS 5266-1 requirements
When passive, fully complies to visibility standards and EN 60598-2-22
Triggerable adaptive pulsing green arrow and red cross
Compatible with most fire alarm systems
Occupants twice as fast at recognising dynamic escape signage
Occupants 3 times faster at making correct escape route decision
Actively routes occupants away from hazardous areas
24 metre viewing distance
Available as single and double sided
Surface mount and IP65 variants available
For a more simplistic green arrow only version, see our dynamic signage range

Specification

Supply voltage	230V AC @ 50Hz
Supply power 'static/passive' mode	6.0W
Supply power 'dynamic' mode	13.5W
Light source	LED strip & dynamic led arrays (36,000+ hours)
Materials - body	Zintec galvanised steel
Materials - trim	Zintec powder coated steel
Materials - legend	Cast acrylic with pre-applied legend/built in dynamics
Battery	4 cell 4.8V 1500-2100mAh NiMH
Recharge period	Less than 24 hours
IP rating	IP20
Weight	Approx. 3kg

Recessed dimensions (mm)

Dynamic and adaptive range

See our adaptive range of escape signs for more information on our 'red cross' fully-adaptive system. Both dynamic and adaptive escape signs available in recessed, surface/wall mount and a wall mount IP65 variant.

Adaptive Escape Sign   Surface Mount

When a fire alarm sounds, it is crucial that occupants leave the building quickly by the nearest exit, but around 70% of occupants miss conventional passive/static emergency escape signs.

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LuxIntelligent's Adaptive Escape Sign can illuminate a pulsing array of green LEDs providing a clear and universally understood directional arrow for occupants to follow to the nearest escape route but is also able to display an active Red Cross to highlight unviable escape routes.

When passive, the Adaptive Escape Sign meets the requirements of EN 60598-2-22 and is suitable to be used as a fully compliant passive/static escape sign in either a new build or is fully suitable to be retrofitted in place of existing escape signage.

LuxIntelligent's Adaptive Escape Sign is fully compatible with the LuxIntelligent Automatic Emergency Lighting Test System meaning the Adaptive Escape Sign is fully fault monitored and automatically tested by our LuxIntelligent Panel in accordance with BS 5266-1.

Controlling the Adaptive Escape Signage is achieved by integrating a 3 rd party addressable Fire Input/Output Unit so the signage can be fully controlled via an Addressable Fire System's built in 'Cause

and Effect' software – this allows the Fire System to have complete control of on-going escape route viability in accordance with BS 7273-6:2019 (Code of practice for the operation of fire protection measures).

The 'Cause and Effect' programming is usually the responsibility of the Fire Engineer and forms just one part of the overall Fire Evacuation Plan. If the pre-planned escape scenarios becomes exhausted, the Adaptive Escape Signs can simply revert back to all Pulsing Green Arrows or to a Static / Passive (and therefore compliant) escape sign - enabling the system to fail safe.

The LuxIntelligent System provides a fully automatic emergency lighting test system that replaces the need for manual checks and testing on all emergency lighting on site and when integrated with any Fire Alarm System, our system can provide peace of mind by providing proof of compliance to BS 5266-1 but also allow the Fire System to actively route occupants away from hazardous areas in the event of an incident providing improved life safety and safer evacuations.

Compliant static/passive mode

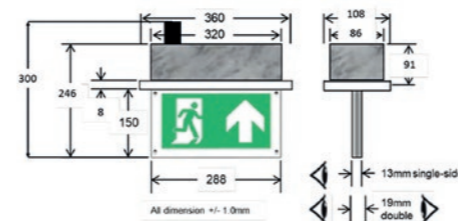Active red cross and pulsing green arrow modes

Key Features

Fully compatible with LuxIntelligent System
Centrally reports and tests to BS 5266-1 requirements
When passive, fully complies to visibility standards and EN 60598-2-22
Triggerable Adaptive Pulsing Green Arrow and Red Cross
Compatible with most Fire Alarm Systems
Occupants twice as fast at recognising dynamic escape signage
Occupants 3 times faster at making correct escape route decision
Actively routes occupants away from hazardous areas
24 metre viewing distance
Available as single and double sided
Recessed and IP65 variants available
For a more simplistic Green Arrow only version, see our Dynamic range

Specification

Supply voltage	230V AC @ 50Hz
Supply power 'Static/Passive' mode	6.0W
Supply power 'Dynamic' mode	13.5W
Light source	LED strip & dynamic led arrays (36,000+ hours)
Materials - Body	Zintec galvanised steel
Materials - Trim	Zintec powder coated steel
Materials - Legend	Cast acrylic with pre-applied legend/built in dynamics
Battery	4 Cell 4.8V 1500-2100mAh NiMH
Recharge period	Less than 24 hours
IP rating	IP20
Weight Approx.	3.3KG

Recessed dimensions (mm)

Dynamic and adaptive range

See our adaptive range of escape signs for more information on our 'red cross' fully-adaptive system. Both dynamic and adaptive escape signs available in recessed, surface/wall mount and a wall mount IP65 variant.

Adaptive Escape Sign   IP65 Weatherproof

When a fire alarm sounds, it is crucial that occupants leave the building quickly by the nearest exit, but around 70% of occupants miss conventional passive/static emergency escape signs.

Occupants unaware of standard escape signage tend to leave via their known, proven route – often the main entrance – which causes slower evacuation times and potentially dangerous bottlenecking; this can be especially dangerous if the main entrance is blocked in an incident. In addition, static / passive escape signage may be routing occupants towards hazardous areas that are potentially filled with smoke and fire.

LuxIntelligent's Adaptive Escape Sign can illuminate a pulsing array of green LEDs providing a clear and universally understood directional arrow for occupants to follow to the nearest escape route but is also able to display an active Red Cross to highlight unviable escape routes.

When passive, the Adaptive Escape Sign meets the requirements of EN 60598-2-22 and is suitable to be used as a fully compliant passive/static escape sign in either a new build or is fully suitable to be retrofitted in place of existing escape signage.

LuxIntelligent's Adaptive Escape Sign is fully compatible with the LuxIntelligent Automatic Emergency Lighting Test System meaning the Adaptive Escape Sign is fully fault monitored and automatically tested by our LuxIntelligent Panel in accordance with BS 5266-1.

Controlling the Adaptive Escape Signage is achieved by integrating a 3 rd party addressable Fire Input/Output Unit so the signage can be fully controlled via an

Compliant static/passive mode
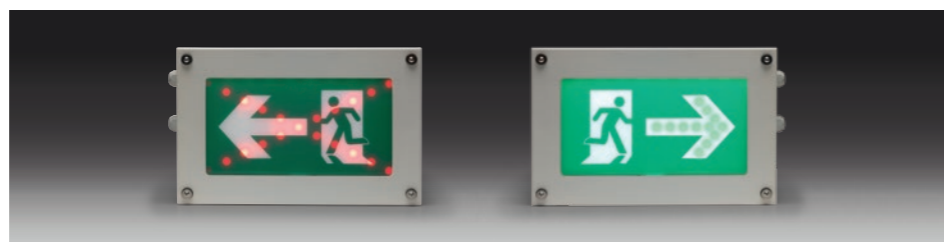
Active Red Cross & Pulsing Green Arrow Modes

Addressable Fire System's built in 'Cause and Effect' software – this allows the Fire System to have complete control of on-going escape route viability in accordance with BS 7273-6:2019 (Code of practice for the operation of fire protection measures).

The 'Cause and Effect' programming is usually the responsibility of the Fire Engineer and forms just one part of the overall Fire Evacuation Plan. If the pre-planned escape scenarios becomes exhausted, the Adaptive Escape Signs can simply revert back to all Pulsing Green Arrows or to a Static / Passive

(and therefore compliant) escape sign - enabling the system to fail safe.

The LuxIntelligent System provides a fully automatic emergency lighting test system that replaces the need for manual checks and testing on all emergency lighting on site and when integrated with any Fire Alarm System, our system can provide peace of mind by providing proof of compliance to BS 5266-1 but also allow the Fire System to actively route occupants away from hazardous areas in the event of an incident providing improved life safety and safer evacuations.

Key Features
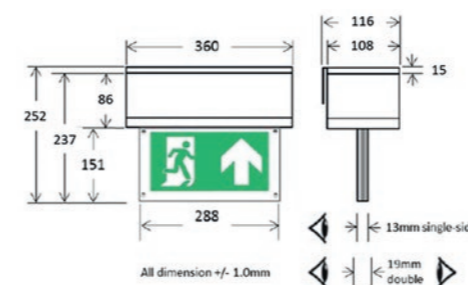
IP65 Weatherproof version suitable for exterior use
Fully compatible with LuxIntelligent System
Centrally reports and tests to BS 5266-1 requirements
When passive, fully complies to visibility standards and EN 60598-2-22
Triggerable Adaptive Pulsing Green Arrow and Red Cross
Compatible with most Fire Alarm Systems
Occupants twice as fast at recognising dynamic escape signage
Occupants 3 times faster at making correct escape route decision
Actively routes occupants away from hazardous areas
25 metre viewing distance
Available as single sided only
Surface mount and recessed variants available
For a more simplistic Green Arrow only version, see our
Dynamic range

Specification

Supply voltage	230V AC @ 50Hz
Supply power 'Static/Passive' mode	6.0W
Supply power 'Dynamic' mode	13.5W
Light source	LED strip & dynamic led arrays (36,000+ hours)
Materials - Body	Steel powder coated white
Materials - Legend	BS 476-7 Class 3 Perspex with pre-applied legend/built in dynamics
Battery	4 Cell 4.8V 2100mAh NiMH
Recharge period	Less than 24 hours
IP rating	IP65
Weight	Approx. 3KG

Recessed dimensions (mm)

A=330, B=208, C=70, D=250, E=129, F=20

Dynamic and adaptive range

See our adaptive range of escape signs for more information on our 'red cross' fully-adaptive system. Both dynamic and adaptive escape signs available in recessed, surface/wall mount and a wall mount IP65 variant.

Easy*SAFE

Lux*INTELLIGENT

Intelligent Low-Voltage Emergency Lights

* **Low-voltage**
* **Fast installation**
* **Self-testing/reporting**
* **Addressable**

EasySafe is a new range of addressable, low-voltage emergency luminaires and exit signs that work with our proven, high-performing LuxIntelligent control panel.

Easy installation

EasySafe lights are quick and easy to fit and service with a simple 'twist and click' installation onto a first-fix base.

There is no need for a fully-qualified electrician, and devices can be swapped in and out safely and easily.

Add to your existing lights

Our low-voltage EasySafe devices are powered directly from the LuxIntelligent control panel, so a local power supply is not required.

They can sit alongside LuxIntelligent luminaires and exit signs using existing wiring to form one intelligent emergency lighting system.

Reliable and versatile

EasySafe lights are a low-voltage option within our existing emergency lighting system which is renowned for its quality and reliability.

The system offers true scalability. One LuxIntelligent panel can support up to 200 EasySafe devices alongside additional locally powered devices.

Compliance made easy

It's never been easier to manage maintenance and compliance.

Test results and maintenance data are reported in our LuxIntelligent cloud platform and are available at the touch of a button via our cloud-connected LuxIntelligent control panel, PC or mobile app – wherever you are in the world.

* Up to 4 loop cards per panel
* Network panels via LAN or LuxIntelligent cloud
* 50 EasySafe devices per loop card
* Maximum of 200 EasySafe devices per panel
* EasySafe devices can sit alongside LuxIntelligent devices
* Easily add mains powered and high output devices for tough requirements

www.luxintelligent.com

EasySafe Downlighter Low Voltage

The EasySafe range of surface-mount luminaires offers a simple method of providing discrete emergency lighting in areas that require a robust surface-mounted, self-contained solution.

Available with a symmetrical wide angle lens or an asymmetrical 'corridor' lens for escape routes. The luminaire simply requires an addressable wiring connection to the LuxIntelligent panel to provide effective non-maintained emergency lighting with a three-hour duration. The LED-Lite fully supports all features of the LuxIntelligent test system.

Operation

The EasySafe downlighter is supplied with integral non-maintained emergency lighting addressable control gear. The self-contained unit offers three-hour emergency lighting duration from integral nickel-metal hydride batteries. The EasySafe downlighter incorporates a high-brightness green LED into the white polycarbonate bezel to provide battery charge and luminaire healthy indication. The luminaires will automatically provide emergency lighting in the event of a loss of local mains supply (monitored by the LuxIntelligent panel at source). The benefits of modern LEDs are well documented.

Installation

The EasySafe downlighter units are easily installed, base first, just like standard fire detectors. There is no local mains feed required, reducing costs from both labour and materials requirements. When the 'corridor' lens is specified and installed, the LED component can easily be rotated in situ, to align the distribution along the escape route.

EasySafe LED Downlighter

EasySafe LED Downlighter – Corridor Lens Version

EasySafe LED Downlighter Base

Key Features

Fully compatible with LuxIntelligent test system
Available as open area or 'corridor' options
Reliable LED technology
Powered from the LuxIntelligent data loop at 32V DC
No 230V connection required
Excellent spacing values
Discrete surface-mounted LED luminaire
Robust construction
Simple 'first fix' bases

Specification

Supply voltage	Low voltage (32V)
Operating voltage	18-32V
Quantity	Up to 50 EasySafe type luminaires per loop
Light source	3W white LED
Cable termination	14/16 AWG, 1.3/2.0mm^2
Body	PC/ABS 2950
Colour	White body (RAL9003) & grey base (Pantone 429)
Dimensions (H*W*D)	120 (diameter)* 43 (height) (mm)
Weight	0.229Kg (including batteries)
Lumens	50lm

Spacing Data

Open area downlighter, 0.5Lux

Mounting Height (m)	Spacing to wall (m)	Spacing between (m)
2.0	2.3	7.4
2.5	2.4	8.1

Corridor downlighter, 1.0Lux, 2m wide corridor

Mounting height (m)	Spacing axial to wall (m)	Spacing between (m)
2.0	4.5	13.0
2.5	2.35	12.7

Local Lighting Circuit Monitoring (uses LXP-110)

The LuxIntelligent Input/Output Module (LXP-110) is a loop powered device that can be programmed to trigger specific groups of luminaries on the same loop. To trigger EasySafe luminaries when there is a loss of power to regular lighting, it is possible to connect the local lighting circuit via a 240V relay (sold separately) and connecting the LXP-110 to the COMMON and NORMALLY OPEN terminals of the 240V Relay via the switch inputs as shown.
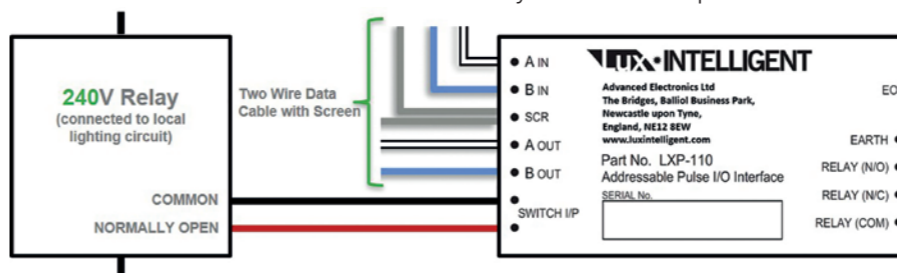
Light curve output
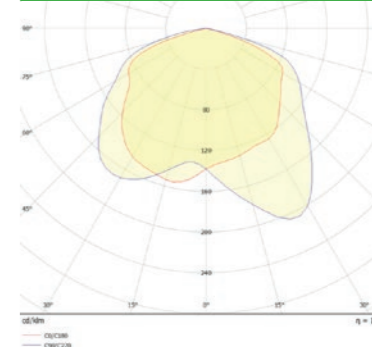
Light curve output
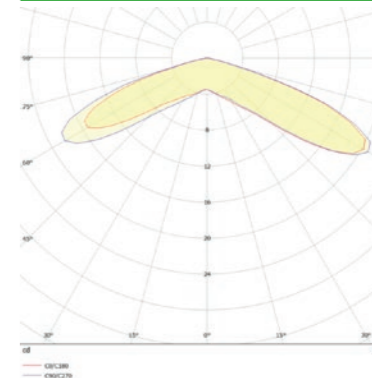
Dimensions and Rotating Lens

The rotating lens is applicable to the Corridor Lens version only. The lens can be rotated after final fitment to the first fix base to ensure correct alignment of the LED lens in the direction of travel in a given escape route.
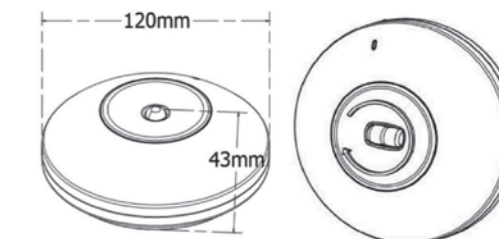
EasySafe Escape Luminaire Low Voltage

The EasySafe escape sign is a reliable, attractive product that offers excellent performance with long life and low energy benefits.

Its versatile design allows it to be both wall and ceiling mounted. The legends are available with a choice of directions and formats (European or ISO). Although smaller than conventional fluorescent escape signs, the EasySafe exit luminaire still provides a useful 25-metre viewing distance, in both mains and emergency modes. The EasySafe luminaire fully supports the self-testing features of the LuxIntelligent test system and complies with all the relevant requirements of EN60598.2.22. Since it is totally powered via the LuxIntelligent panel, it uses the LuxIntelligent I/O peripheral to monitor local power distribution boards to allow the lights to react in the event of power outages.

Operation

The luminaire is available only as a maintained fitting with low illumination under normal conditions making it useful in such applications as cinemas and theatres. In the event of a power outage, the illumination switches to maximum output, providing clear direction towards exits. The EasySafe luminaire uses state-of-the-art reflective screens to ensure the LEDs evenly illuminate the safety sign legend. Luminaires are supplied with integral maintained emergency control gear, which ensure that in the event of a power failure, the escape sign continues to operate with the same level of luminance for three hours from the internal NiMH battery.

Installation

The EasySafe luminaires are easily installed, base first, just like fire detection devices. The luminaire body simply clicks in place when required. A small screw can be used to fix the hanging angle, depending on wall or ceiling fixing. There is no local mains feed required, reducing both labour and material costs.

EasySafe Escape Luminaire

Mounting Bracket/Base
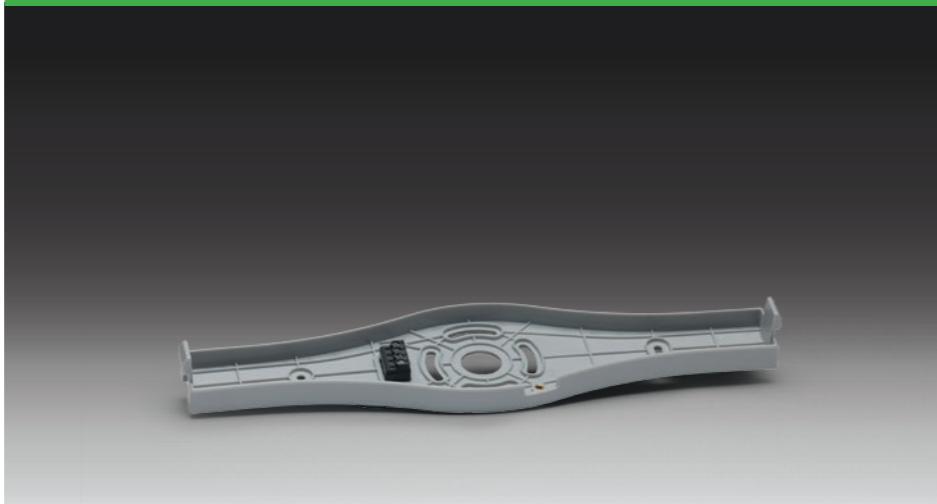
EasySafe Family

Key Features

Fully compatible with LuxIntelligent test system
Powered from the LuxIntelligent data loop at 32 V DC
No 230V connection required
Long life and low energy performance LED technology
Fully complies with all aspects of EN60598.2.22
Viewing distance 25m
Low maintained luminance level ideal for use in cinemas and theatres

Specification

Supply voltage	Low voltage (32V)
Operating voltage	18-32V
Quantity	Up to 50 EasySafe type luminaires per loop
Light source	High output white LEDs
Cable termination	15/16 AWG, 1.3/2.0mm²
Body	PC/ABS 2950
Colour	White body (RAL9003), grey base & bracket (Pantone 429)
Dimensions (H*W*D)	301 (L) * 212 (H) * 80 (D) (mm)
Weight	0.738Kg (including battery pack)
Batteries	4 AAA NiMH 4.8V 600mAH pack
Viewing distance	25m

Ceiling Mount Dimensions
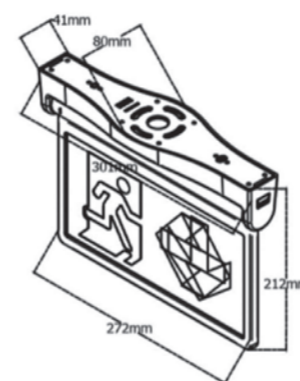
Wall Mount Dimensions
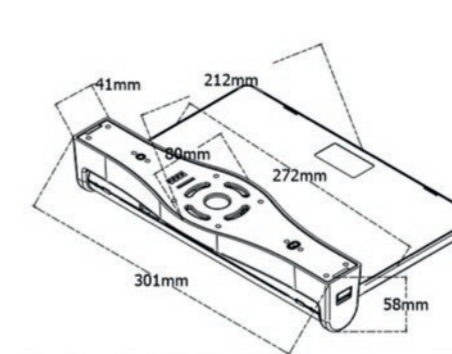
Mounting Bracket/Base

The EasySafe escape sign simply 'press and clicks' onto the fast installing first fix base with power being drawn via the data cable terminal block on the base to charge the local back-up batteries.
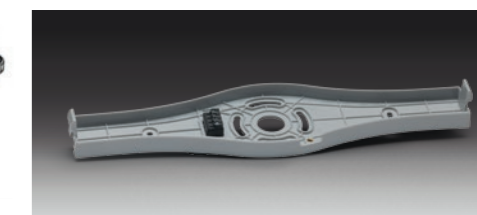
Local Lighting Circuit Monitoriing (uses LXP-110)

The LuxIntelligent Input/Output Module (LXP-110) is a loop powered device that can be programmed to trigger specific groups of luminaries on the same loop. To trigger EasySafe luminaries when there is a loss of power to regular lighting, it is possible to connect the local lighting circuit via a 240V Relay (sold separately) and connecting the LXP-110 to the COMMON and NORMALLY OPEN terminals of the 240V Relay via the switch inputs as shown:
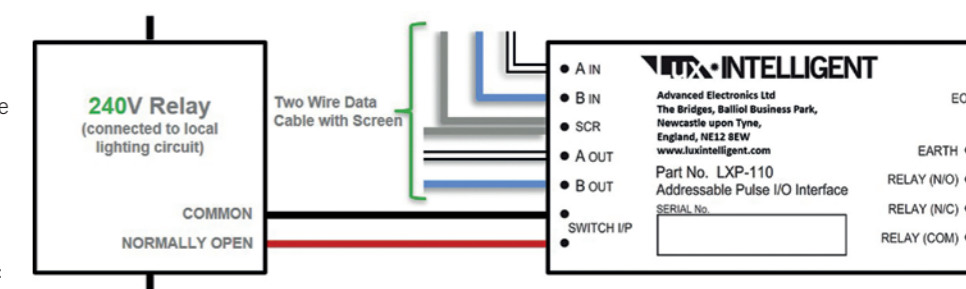
System Summary

The table below highlights the key features of LuxIntelligent

	LuxIntelligent by Advanced
Maximum loops per standard size panel	4
No. of mains-powered lights per loop	249
No. of mains-powered lights per panel	996
No. of low-voltage lights per loop	50
No. of low-voltage lights per panel	200
Total no. of supportable devices	996
Hybrid of low-voltage and mains-powered emergency lighting?	Yes
Compatible with central battery systems / static invertors?	Yes
Data cable voltage	32V DC
Remote cloud service?	Yes
Secondary interface panel required?	No
Separate stepdown transformer required?	No
Event memory	1000 events
Maximum networkable panels	200
Able to convert non-emergency lights to emergency lights?	Yes
Able to work with pre-existing emergency lights?	Yes
Light spacing between low voltage open-area devices – 2m height	7.40m
Light spacing between low voltage corridor lens devices – 2m height	13.00m
No. of low voltage corridor devices needed for 2m high, 500m long corridor?	39
Adjustable corridor lens alignment after installation?	Yes
Battery type	NiMH
Power consumption of luminaires whilst charging	0.4W
Battery supplied or sold separately?	Supplied with devices
Designed to comply with BS EN 60598-2.22 (4 year battery life)?	Yes
First fix, common base?	Yes
Adjustable emergency exit sign angle?	Yes

Parts List

Category	Part Number	Description
LuxIntelligent Panel	LX-9401	LuxIntelligent Control Panel (1 Loop Driver Fitted)
LuxIntelligent Panel	LX-9402	LuxIntelligent Control Panel (2 Loop Drivers Fitted)
LuxIntelligent Panel	LX-9403	LuxIntelligent Control Panel (3 Loop Drivers Fitted)
LuxIntelligent Panel	LX-9404	LuxIntelligent Control Panel (4 Loop Drivers Fitted)
LuxIntelligent Panel Accessory	LXP-901	LuxIntelligent Plug in Pulse Loop Driver Card
LuxIntelligent Panel Accessory	LXS-003	LuxIntelligent Spare 1-4 Loop Base Card
LuxIntelligent Panel Accessory	UP-306	12V 7AHr Sealed Lead Acid battery
LuxIntelligent Panel Accessory	SP-3665-1	LuxIntelligent Serial to Ethernet, WiFi or 4G Router in Wall Mounted Panel
LuxIntelligent Panel Accessory	UP-006	USB upload /download lead for MX config software
LuxIntelligent Panel Accessory	LXM-001	LuxIntelligent Control Panel - Semi-Flushing Bezel
Retrofit and Controls	LXP-110	LuxIntelligent Input - Output Interface
Retrofit and Controls	LXP-302	LuxIntelligent Luminaire Monitoring Interface - 250mm Fibre Optic Lead
Retrofit and Controls	LXP-302L	LuxIntelligent Luminaire Monitoring Interface - 1000mm Fibre Optic Lead
LED-Lite Recessed Luminaires	LLED3/NM3/P/REM	LED-Lite Downlighter, Recessed, Addressable, Non-Maintained, Open Area Lens (White Body)
LED-Lite Recessed Luminaires	LLED3/NM3/P/C/REM	LED-Lite Downlighter, Recessed, Addressable, Non-Maintained, Corridor Lens (White Body)
LED-Lite Recessed Luminaires	LLED3/NM3/P/HL/REM	LED-Lite Downlighter, Recessed, Addressable, Non-Maintained, High Level Lens (White Body)
LED-Lite Surface Mount Luminaires	LLED3/NM3/P/SUR	LED-Lite Downlighter, Surface Mount, Addressable, Non-Maintained, Open Area Lens (White Surface Mount Box)
LED-Lite Surface Mount Luminaires	LLED3/NM3/P/SUR/C	LED-Lite Downlighter, Surface Mount, Addressable, Non-Maintained, Corridor Lens (White Surface Mount Box)
LED-Lite Surface Mount Luminaires	LLED3/NM3/P/SUR/HL	LED-Lite Downlighter, Surface Mount, Addressable, Non-Maintained, High Level Lens (White Surface Mount Box)
LED-Lite High Output Recessed Luminaires	LLED3/NM3/P/REM/HO	LED-Lite High Output Downlighter, Recessed, Non-Maintained, Addressable, Open Area Lens (White Body)
LED-Lite High Output Recessed Luminaires	LLED3/NM3/P/C/REM/HO	LED-Lite High Output Downlighter, Recessed, Non-Maintained, Addressable, Corridor Lens (White Body)
LED-Lite High Output Recessed Luminaires	LLED3/NM3/P/HL/REM/HO	LED-Lite High Output Downlighter, Recessed, Non-Maintained, Addressable, High Level Lens (White Body)
LED-Lite High Output Surface Mount Luminaires	LLED3/NM3/P/SUR/HO	LED-Lite High Output Downlighter, Surface Mount, Non-Maintained, Addressable, Open Area Lens (White Surface Mount Box)
LED-Lite High Output Surface Mount Luminaires	LLED3/NM3/P/SUR/C/HO	LED-Lite High Output Downlighter, Surface Mount, Non-Maintained, Addressable, Corridor Lens (White Surface Mount Box)
LED-Lite High Output Surface Mount Luminaires	LLED3/NM3/P/SUR/HL/HO	LED-Lite High Output Downlighter, Surface Mount, Non-Maintained, Addressable, High Level Lens (White Surface Mount Box)
Mor-LED IP65 Bulkhead	RLED/230	Mor-LED IP65 Bulkhead, Mains Only
Mor-LED IP65 Bulkhead	RLED/M3/P	Mor-LED IP65 Bulkhead, Surface Mount, Maintained, Addressable
Mor-LED IP65 Bulkhead	RLED/NM3/P/FR	Mor-LED IP65 Bulkhead, Surface Mount, Non-Maintained, Addressable
Mor-LED IP65 Bulkhead	RLED/B	Mor-LED Semi-Recessing Bezel (for 137mm x 370mm bulkheads)
Mor-LED IP65 Bulkhead	RLED/DDS	Mor-LED IP65 Deep Double Sided Diffuser for Escape Sign Conversion (including Adhesive Legends)
Mor-LED IP65 Bulkhead	RLED/SL/B	Mor-LED Semi-Recessing Bezel (120mm x 350mm x 65mm bulkhead)
Mor-LED high Output IP65 Bulkhead	RLED/NM3/P/HO	Mor-LED IP65 High Output Bulkhead, Surface Mount, Non-Maintained, Addressable (800 Lumens in Emergency)
Mor-LED high Output IP65 Bulkhead	RLED/SL/B/HO	Mor-LED High Output Semi-Recessing Bezel (120mm x 350mm x 90mm bulkhead)
Circu-LED Round Luminaire	ULED/230	Circu-LED Luminaire, Surface Mount, Mains Only, Non-Addressable - 0.40M Diameter
Circu-LED Round Luminaire	ULED/M3/P	Circu-LED Luminaire, Surface Mount, Maintained, Addressable - 0.40M Diameter
Circu-LED Round Luminaire	ULED/M3/P/DIM	Circu-LED Luminaire, Surface Mount, Maintained, Addressable - 0.40M Diameter (with 1-10V Dimming Control)
Circu-LED Round Luminaire	ULED/M3/P/MW	Circu-LED Luminaire, Surface Mount, Maintained, Addressable - 0.40M Diameter (with Microwave Detector)
Round-LED IP65 Round Luminaire	RNLED/AC	Round-LED IP65 Luminaire, Surface Mount, Mains Only, Non-Addressable - 0.33M Diameter
Round-LED IP65 Round Luminaire	RNLED/M3/P	Round-LED IP65 Luminaire, Surface Mount, Maintained, Addressable - 0.33M Diameter
Round-LED IP65 Round Luminaire	RNLED/M3/P/MW	Round-LED IP65 Luminaire, Surface Mount, Maintained, Addressable - 0.33M Diameter (with Microwave Detector)
Refined-LED Round Luminaire	RFLED/230	Refined-LED Circular Luminaire, Surface Mount, Mains Only, Non-Addressable
Refined-LED Round Luminaire	RFLED/230/MW	Refined-LED Circular Luminaire, Surface Mount, Mains Only, Non-Addressable (with Microwave Detector)
Refined-LED Round Luminaire	RFLED/M3/P	Refined-LED Circular Luminaire, Surface Mount, Maintained, Addressable
Refined-LED Round Luminaire	RFLED/M3/P/MW	Refined-LED Circular Luminaire, Surface Mount, Maintained, Addressable (with Microwave Detector)
Amenity-LED Round Luminaire	AMLED/230/RN	Amenity-LED IP65 Circular Luminaire, Surface Mount, Mains Only, Non-Addressable
Amenity-LED Round Luminaire	AMLED/M3/P/RN	Amenity-LED IP65 Circular Luminaire, Surface Mount, Maintained, Addressable

Parts List

Category	Part Number	Description
Amenity-LED Square Luminaire	AMLED/230/SQ	Amenity-LED IP65 Square Luminaire, Surface Mount, Mains Only, Non-Addressable
Amenity-LED Square Luminaire	AMLED/M3/P/SQ	Amenity-LED IP65 Square Luminaire, Surface Mount, Maintained, Addressable
Weather-LED IP65 Round Luminaire	WLED/230	Weather-LED IP65 Circular Luminaire, Surface Mount, Mains Only, Non-Addressable
Weather-LED IP65 Round Luminaire	WLED/230/CBD	Weather-LED IP65 Circular Luminaire, Surface Mount, Mains Only, Non-Addressable (with Crossblade Cover)
Weather-LED IP65 Round Luminaire	WLED/230/EYE	Weather-LED IP65 Circular Luminaire, Surface Mount, Mains Only, Non-Addressable (with Eyelid Cover)
Weather-LED IP65 Round Luminaire	WLED/M3/P	Weather-LED IP65 Circular Luminaire, Surface Mount, Maintained, Addressable
Weather-LED IP65 Round Luminaire	WLED/M3/P/CBD	Weather-LED IP65 Circular Luminaire, Surface Mount, Maintained, Addressable (with Crossblade Cover)
Weather-LED IP65 Round Luminaire	WLED/M3/P/CBD/MW	Weather-LED IP65 Circular Luminaire, Surface Mount, Maintained, Addressable (with Crossblade Cover and Microwave Detector)
Weather-LED IP65 Round Luminaire	WLED/M3/P/EYE	Weather-LED IP65 Circular Luminaire, Surface Mount, Maintained, Addressable (with Eyelid Cover)
Weather-LED IP65 Round Luminaire	WLED/M3/P/EYE/MW	Weather-LED IP65 Circular Luminaire, Surface Mount, Maintained, Addressable (with Eyelid Cover and Microwave Detector)
Weather-LED IP65 Round Luminaire	WLED/M3/P/MW	Weather-LED IP65 Circular Luminaire, Surface Mount, Maintained, Addressable (with Microwave Detector)
Twin-LED Spotlights	TLED/NM3/P	Twin-LED Spotlights, Wall Mount, Non-Maintained, Addressable
Twin-LED IP65 Spotlights	TLED/NM3/P/WP	Twin-LED Weatherproof Spotlights, Wall Mount, Non-Maintained, Addressable, IP65
Vapour-LED IP65 Non-Corrosive Luminaire	VPLED/M3/P	Vapour-LED IP65 Non-Corrosive Luminaire, Vapour Proof, Surface Mount, Maintained, Addressable
Vapour-LED IP65 Non-Corrosive Luminaire	VPLED/230	Vapour-LED IP65 Non-Corrosive Luminaire, Vapour Proof, Surface Mount, Mains Only, Non-Addressable
Blade-LED Escape Sign	BLED/M3/P	Blade-LED Escape Sign, Surface Mount, Maintained, Addressable, Double Sided - EC Arrow Left or Right (White Body)
Blade-LED Escape Sign	BLED/M3/P/AD	Blade-LED Escape Sign, Surface Mount, Maintained, Addressable, Double Sided - EC Arrow Down (White Body)
Blade-LED Escape Sign	BLED/M3/P/AD/ISO	Blade-LED Escape Sign, Surface Mount, Maintained, Addressable, Double Sided - ISO Arrow Down (White Body)
Blade-LED Escape Sign	BLED/M3/P/AL	Blade-LED Escape Sign, Surface Mount, Maintained, Addressable, Single Sided - EC Arrow Left (White Body)
Blade-LED Escape Sign	BLED/M3/P/AL/ISO	Blade-LED Escape Sign, Surface Mount, Maintained, Addressable, Single Sided - ISO Arrow Left (White Body)
Blade-LED Escape Sign	BLED/M3/P/AR	Blade-LED Escape Sign, Surface Mount, Maintained, Addressable, Single Sided - EC Arrow Right (White Body)
Blade-LED Escape Sign	BLED/M3/P/AR/ISO	Blade-LED Escape Sign, Surface Mount, Maintained, Addressable, Single Sided - ISO Arrow Right (White Body)
Blade-LED Escape Sign	BLED/M3/P/AU	Blade-LED Escape Sign, Surface Mount, Maintained, Addressable, Double Sided - EC Arrow Up (White Body)
Blade-LED Escape Sign	BLED/M3/P/AU/ISO	Blade-LED Escape Sign, Surface Mount, Maintained, Addressable, Double Sided - ISO Arrow Up (White Body)
Blade-LED Escape Sign	BLED/M3/P/ISO	Blade-LED Escape Sign, Surface Mount, Maintained, Addressable, Double Sided - ISO Arrow Left or Right (White Body)
Blade-LED Escape Sign	BLED/M3/P/R	Blade-LED Escape Sign, Recessed, Maintained, Addressable, Double Sided - EC Arrow Left or Right (White Body)
Blade-LED Escape Sign	BLED/M3/P/R/AD	Blade-LED Escape Sign, Recessed, Maintained, Addressable, Double Sided - EC Arrow Down (White Body)
Blade-LED Escape Sign	BLED/M3/P/R/AD/ISO	Blade-LED Escape Sign, Recessed, Maintained, Addressable, Double Sided - ISO Arrow Down (White Body)
Blade-LED Escape Sign	BLED/M3/P/R/AL	Blade-LED Escape Sign, Recessed, Maintained, Addressable, Single Sided - EC Arrow Left (White Body)
Blade-LED Escape Sign	BLED/M3/P/R/AL/ISO	Blade-LED Escape Sign, Recessed, Maintained, Addressable, Single Sided - ISO Arrow Left (White Body)
Blade-LED Escape Sign	BLED/M3/P/R/AR	Blade-LED Escape Sign, Recessed, Maintained, Addressable, Single Sided - EC Arrow Right (White Body)
Blade-LED Escape Sign	BLED/M3/P/R/AU	Blade-LED Escape Sign, Recessed, Maintained, Addressable, Double Sided - EC Arrow Up (White Body)
Blade-LED Escape Sign	BLED/M3/P/R/AU/ISO	Blade-LED Escape Sign, Recessed, Maintained, Addressable, Double Sided - ISO Arrow Up (White Body)
Blade-LED Escape Sign	BLED/M3/P/R/ISO	Blade-LED Escape Sign, Recessed, Maintained, Addressable, Double Sided - ISO Arrow Left or Right (White Body)
Blade-LED Escape Sign	BLEDS/M3/P/AD	Blade-LED Escape Sign, Surface Mount, Maintained, Addressable, Single Sided - EC Arrow Down (White Body)

Category	Part Number	Description
Blade-LED Escape Sign	BLEDS/M3/P/AD/ISO	Blade-LED Escape Sign, Surface Mount, Maintained, Addressable, Single Sided - ISO Arrow Down (White Body)
Blade-LED Escape Sign	BLEDS/M3/P/AU	Blade-LED Escape Sign, Surface Mount, Maintained, Addressable, Single Sided - EC Arrow Up (White Body)
Blade-LED Escape Sign	BLEDS/M3/P/AU/ISO	Blade-LED Escape Sign, Surface Mount, Maintained, Addressable, Single Sided - ISO Arrow Up (White Body)
Blade-LED Escape Sign	BLEDS/M3/P/R/AD	Blade-LED Escape Sign, Recessed, Maintained, Addressable, Single Sided - EC Arrow Down (White Body)
Blade-LED Escape Sign	BLEDS/M3/P/R/AD/ISO	Blade-LED Escape Sign, Recessed, Maintained, Addressable, Single Sided - ISO Arrow Down (White Body)
Blade-LED Escape Sign	BLEDS/M3/P/R/AU	Blade-LED Escape Sign, Recessed, Maintained, Addressable, Single Sided - EC Arrow Up (White Body)
Blade-LED Escape Sign	BLEDS/M3/P/R/AU/ISO	Blade-LED Escape Sign, Recessed, Maintained, Addressable, Single Sided - ISO Arrow Up (White Body)
Blade-LED Escape Sign	BLED/WB/S	Blade-LED Escape Sign, Wall Mounting Bracket (Silver)
Blade-LED Escape Sign	BLED/WSK/S	Blade-LED Escape Sign, Wire Suspension Kit (Silver)
Exi-LED Wall Mount Escape Sign	ELED/M3/P	Exi-LED Escape Sign, Wall Mount, Maintained, Addressable - EC Arrow Down (White Body)
Exi-LED Wall Mount Escape Sign	ELED/M3/P/ISO	Exi-LED Escape Sign, Wall Mount, Maintained, Addressable - ISO Arrow Down (White Body)
Exi-LED Wall Mount Escape Sign	ELED/M3/P/AL	Exi-LED Escape Sign, Wall Mount, Maintained, Addressable - EC Arrow Left (White Body)
Exi-LED Wall Mount Escape Sign	ELED/M3/P/AL/ISO	Exi-LED Escape Sign, Wall Mount, Maintained, Addressable - ISO Arrow Left (White Body)
Exi-LED Wall Mount Escape Sign	ELED/M3/P/AR	Exi-LED Escape Sign, Wall Mount, Maintained, Addressable - EC Arrow Right (White Body)
Exi-LED Wall Mount Escape Sign	ELED/M3/P/AR/ISO	Exi-LED Escape Sign, Wall Mount, Maintained, Addressable - ISO Arrow Right (White Body)
Exi-LED Wall Mount Escape Sign	ELED/M3/P/AU	Exi-LED Escape Sign, Wall Mount, Maintained, Addressable - EC Arrow Up (White Body)
Exi-LED Wall Mount Escape Sign	ELED/M3/P/AU/ISO	Exi-LED Escape Sign, Wall Mount, Maintained, Addressable - ISO Arrow Up (White Body)
Escape-LED Wall Mount Escape Sign	ESC-LED/M3/P	Escape-LED Escape Sign, Wall Mount, Maintained, Addressable - EC Arrow Down
Escape-LED Wall Mount Escape Sign	ESC-LED/M3/P/ISO	Escape-LED Escape Sign, Wall Mount, Maintained, Addressable - ISO Arrow Down
Escape-LED Wall Mount Escape Sign	ESC-LED/M3/P/AL	Escape-LED Escape Sign, Wall Mount, Maintained, Addressable - EC Arrow Left
Escape-LED Wall Mount Escape Sign	ESC-LED/M3/P/AL/ISO	Escape-LED Escape Sign, Wall Mount, Maintained, Addressable - ISO Arrow Left
Escape-LED Wall Mount Escape Sign	ESC-LED/M3/P/AR	Escape-LED Escape Sign, Wall Mount, Maintained, Addressable - EC Arrow Right
Escape-LED Wall Mount Escape Sign	ESC-LED/M3/P/AR/ISO	Escape-LED Escape Sign, Wall Mount, Maintained, Addressable - ISO Arrow Right
Escape-LED Wall Mount Escape Sign	ESC-LED/M3/P/AU	Escape-LED Escape Sign, Wall Mount, Maintained, Addressable - EC Arrow Up
Escape-LED Wall Mount Escape Sign	ESC-LED/M3/P/AU/ISO	Escape-LED Escape Sign, Wall Mount, Maintained, Addressable - ISO Arrow Up
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/AD	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Non-Maintained, Singe Sided - EC Arrow Down
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/AD/ISO	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Non-Maintained, Singe Sided - ISO Arrow Down
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/AL	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Non-Maintained, Singe Sided - EC Arrow Left
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/AL/ISO	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Non-Maintained, Singe Sided - ISO Arrow Left
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/AR	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Non-Maintained, Singe Sided - EC Arrow Right
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/AR/ISO	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Non-Maintained, Singe Sided - ISO Arrow Right
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/AU	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Non-Maintained, Singe Sided - EC Arrow Up
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/AU/ISO	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Non-Maintained, Singe Sided - ISO Arrow Up
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/P/AD	Cine-LED Escape Sign, Wall Mount, Addressable, Non-Maintained, Singe Sided - EC Arrow Down
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/P/AD/ISO	Cine-LED Escape Sign, Wall Mount, Addressable, Non-Maintained, Singe Sided - ISO Arrow Down
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/P/AL	Cine-LED Escape Sign, Wall Mount, Addressable, Non-Maintained, Singe Sided - EC Arrow Left
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/P/AL/ISO	Cine-LED Escape Sign, Wall Mount, Addressable, Non-Maintained, Singe Sided - ISO Arrow Left
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/P/AR	Cine-LED Escape Sign, Wall Mount, Addressable, Non-Maintained, Singe Sided - EC Arrow Right
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/P/AR/ISO	Cine-LED Escape Sign, Wall Mount, Addressable, Non-Maintained, Singe Sided - ISO Arrow Right
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/P/AU	Cine-LED Escape Sign, Wall Mount, Addressable, Non-Maintained, Singe Sided - EC Arrow Up
Cine-LED Wall Mount Dark Escape Sign	CNLED/NM3/P/AU/ISO	Cine-LED Escape Sign, Wall Mount, Addressable, Non-Maintained, Singe Sided - ISO Arrow Up
Dynamic Escape Sign Recessed	DYNAMIC/M3/P/R/SS/AD/ISO	Dynamic Escape Sign - Active Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Down
Dynamic Escape Sign Recessed	DYNAMIC/M3/P/R/SS/AU/ISO	Dynamic Escape Sign - Active Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Up
Dynamic Escape Sign Recessed	DYNAMIC/M3/P/R/SS/AR/ISO	Dynamic Escape Sign - Active Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Right
Dynamic Escape Sign Recessed	DYNAMIC/M3/P/R/SS/AL/ISO	Dynamic Escape Sign - Active Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Left
Dynamic Escape Sign Recessed	DYNAMIC/M3/P/R/DS/AD/ISO	Dynamic Escape Sign - Active Green Arrow, Recessed, Maintained, Addressable, Double Sided, ISO Arrow Down
Dynamic Escape Sign Recessed	DYNAMIC/M3/P/R/DS/AU/ISO	Dynamic Escape Sign - Active Green Arrow, Recessed, Maintained, Addressable, Double Sided, ISO Arrow Up
Dynamic Escape Sign Recessed	DYNAMIC/M3/P/R/DS/AR-L/ISO	Dynamic Escape Sign - Active Green Arrow, Recessed, Maintained, Addressable, Double Sided, ISO Arrow Right or Left
Dynamic Escape Sign Surface Mount	DYNAMIC/M3/P/SS/AD/ISO	Dynamic Escape Sign - Active Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Down

Parts List

Category	Part Number	Description
Dynamic Escape Sign Surface Mount	DYNAMIC/M3/P/SS/AU/ISO	Dynamic Escape Sign - Active Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Up
Dynamic Escape Sign Surface Mount	DYNAMIC/M3/P/SS/AR/ISO	Dynamic Escape Sign - Active Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Right
Dynamic Escape Sign Surface Mount	DYNAMIC/M3/P/SS/AL/ISO	Dynamic Escape Sign - Active Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Left
Dynamic Escape Sign Surface Mount	DYNAMIC/M3/P/DS/AD/ISO	Dynamic Escape Sign - Active Green Arrow, Surface Mount, Maintained, Addressable, Double Sided, ISO Arrow Down
Dynamic Escape Sign Surface Mount	DYNAMIC/M3/P/DS/AU/ISO	Dynamic Escape Sign - Active Green Arrow, Surface Mount, Maintained, Addressable, Double Sided, ISO Arrow Up
Dynamic Escape Sign Surface Mount	DYNAMIC/M3/P/DS/AR-L/ISO	Dynamic Escape Sign - Active Green Arrow, Surface Mount, Maintained, Addressable, Double Sided, ISO Arrow Right or Left
Dynamic Escape Sign IP65 Surface Mount	DYNAMIC/M3/P/SS/AD/ISO/WP	Dynamic Escape Sign - Active Green Arrow, IP65 Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Down
Dynamic Escape Sign IP65 Surface Mount	DYNAMIC/M3/P/SS/AU/ISO/WP	Dynamic Escape Sign - Active Green Arrow, IP65 Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Up
Dynamic Escape Sign IP65 Surface Mount	DYNAMIC/M3/P/SS/AR/ISO/WP	Dynamic Escape Sign - Active Green Arrow, IP65 Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Right
Dynamic Escape Sign IP65 Surface Mount	DYNAMIC/M3/P/SS/AL/ISO/WP	Dynamic Escape Sign - Active Green Arrow, IP65 Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Left
Adaptive Escape Sign Recessed	ADAPT/M3/P/R/SS/AD/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Down
Adaptive Escape Sign Recessed	ADAPT/M3/P/R/SS/AU/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Up
Adaptive Escape Sign Recessed	ADAPT/M3/P/R/SS/AR/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Right
Adaptive Escape Sign Recessed	ADAPT/M3/P/R/SS/AL/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Left
Adaptive Escape Sign Recessed	ADAPT/M3/P/R/DS/AD/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Double Sided, ISO Arrow Down
Adaptive Escape Sign Recessed	ADAPT/M3/P/R/DS/AU/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Double Sided, ISO Arrow Up
Adaptive Escape Sign Recessed	ADAPT/M3/P/R/DS/AR-L/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Double Sided, ISO Arrow Right or Left
Adaptive Escape Sign Surface Mount	ADAPT/M3/P/SS/AD/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Down
Adaptive Escape Sign Surface Mount	ADAPT/M3/P/SS/AU/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Up
Adaptive Escape Sign Surface Mount	ADAPT/M3/P/SS/AR/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Right
Adaptive Escape Sign Surface Mount	ADAPT/M3/P/SS/AL/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Left
Adaptive Escape Sign Surface Mount	ADAPT/M3/P/DS/AD/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Addressable, Double Sided, ISO Arrow Down
Adaptive Escape Sign Surface Mount	ADAPT/M3/P/DS/AU/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Addressable, Double Sided, ISO Arrow Up
Adaptive Escape Sign Surface Mount	ADAPT/M3/P/DS/AR-L/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Addressable, Double Sided, ISO Arrow Right or Left
Adaptive Escape Sign IP65 Surface Mount	ADAPT/M3/P/SS/AD/ISO/WP	Adaptive Escape Sign - Red Cross and Green Arrow, IP65 Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Down
Adaptive Escape Sign IP65 Surface Mount	ADAPT/M3/P/SS/AU/ISO/WP	Adaptive Escape Sign - Red Cross and Green Arrow, IP65 Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Up
Adaptive Escape Sign IP65 Surface Mount	ADAPT/M3/P/SS/AR/ISO/WP	Adaptive Escape Sign - Red Cross and Green Arrow, IP65 Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Right
Adaptive Escape Sign IP65 Surface Mount	ADAPT/M3/P/SS/AL/ISO/WP	Adaptive Escape Sign - Red Cross and Green Arrow, IP65 Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Left
Standalone Adaptive Escape Sign Recessed	ADAPT/M3/R/SS/AD/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Standalone, Single Sided, ISO Arrow Down
Standalone Adaptive Escape Sign Recessed	ADAPT/M3/R/SS/AU/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Standalone, Single Sided, ISO Arrow Up
Standalone Adaptive Escape Sign Recessed	ADAPT/M3/R/SS/AR/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Standalone, Single Sided, ISO Arrow Right
Standalone Adaptive Escape Sign Recessed	ADAPT/M3/R/SS/AL/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Standalone, Single Sided, ISO Arrow Left

Category	Part Number	Description
Standalone Adaptive Escape Sign Recessed	ADAPT/M3/R/DS/AD/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Standalone, Double Sided, ISO Arrow Down
Standalone Adaptive Escape Sign Recessed	ADAPT/M3/R/DS/AU/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Standalone, Double Sided, ISO Arrow Up
Standalone Adaptive Escape Sign Recessed	ADAPT/M3/R/DS/AR-L/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Standalone, Double Sided, ISO Arrow Right or Left
Standalone Adaptive Escape Sign Surface Mount	ADAPT/M3/SS/AD/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Standalone, Single Sided, ISO Arrow Down
Standalone Adaptive Escape Sign Surface Mount	ADAPT/M3/SS/AU/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Standalone, Single Sided, ISO Arrow Up
Standalone Adaptive Escape Sign Surface Mount	ADAPT/M3/SS/AR/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Standalone, Single Sided, ISO Arrow Right
Standalone Adaptive Escape Sign Surface Mount	ADAPT/M3/SS/AL/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Standalone, Single Sided, ISO Arrow Left
Standalone Adaptive Escape Sign Surface Mount	ADAPT/M3/DS/AD/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Standalone, Double Sided, ISO Arrow Down
Standalone Adaptive Escape Sign Surface Mount	ADAPT/M3/DS/AU/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Standalone, Double Sided, ISO Arrow Up
Standalone Adaptive Escape Sign Surface Mount	ADAPT/M3/DS/AR-L/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Standalone, Double Sided, ISO Arrow Right or Left
Standalone Adaptive Escape Sign IP65 Surface Mount	ADAPT/M3/SS/AD/ISO/WP	Adaptive Escape Sign - Red Cross and Green Arrow, IP65 Surface Mount, Maintained, Standalone, Single Sided, ISO Arrow Down
Standalone Adaptive Escape Sign IP65 Surface Mount	ADAPT/M3/SS/AU/ISO/WP	Adaptive Escape Sign - Red Cross and Green Arrow, IP65 Surface Mount, Maintained, Standalone, Single Sided, ISO Arrow Up
Standalone Adaptive Escape Sign IP65 Surface Mount	ADAPT/M3/SS/AR/ISO/WP	Adaptive Escape Sign - Red Cross and Green Arrow, IP65 Surface Mount, Maintained, Standalone, Single Sided, ISO Arrow Right
Standalone Adaptive Escape Sign IP65 Surface Mount	ADAPT/M3/SS/AL/ISO/WP	Adaptive Escape Sign - Red Cross and Green Arrow, IP65 Surface Mount, Maintained, Standalone, Single Sided, ISO Arrow Left
EasySafe Low Voltage Luminaires	ESL/C	EasySafe Low Voltage Downlighter, Surface Mounted First Fix Base, Non-Maintained, Addressable, Corridor Lens
EasySafe Low Voltage Luminaires	ESL/O	EasySafe Low Voltage Downlighter, Surface Mounted First Fix Base, Non-Maintained, Addressable, Open Area Lens
EasySafe Low Voltage Luminaires	ESL/B	Spare - EasySafe Low Voltage Downlighter, Spare First Fix Base (5 pack)
EasySafe Low Voltage Luminaires	ESL/BP	Spare - EasySafe Low Voltage Downlighter, Spare Battery Pack (5 pack)
EasySafe Low Voltage Escape Sign	ESXL/ECAD	EasySafe Low Voltage Escape Sign, Wall and Ceiling Mount, Maintained, Addressable, Single Sided - EC Arrow Down
EasySafe Low Voltage Escape Sign	ESXL/ECAL	EasySafe Low Voltage Escape Sign, Wall and Ceiling Mount, Maintained, Addressable, Single Sided - EC Arrow Left
EasySafe Low Voltage Escape Sign	ESXL/ECAR	EasySafe Low Voltage Escape Sign, Wall and Ceiling Mount, Maintained, Addressable, Single Sided - EC Arrow Right
EasySafe Low Voltage Escape Sign	ESXL/ECAU	EasySafe Low Voltage Escape Sign, Wall and Ceiling Mount, Maintained, Addressable, Single Sided - EC Arrow Up
EasySafe Low Voltage Escape Sign	ESXL/ISOAD	EasySafe Low Voltage Escape Sign, Wall and Ceiling Mount, Maintained, Addressable, Single Sided - ISO Arrow Down
EasySafe Low Voltage Escape Sign	ESXL/ISOAL	EasySafe Low Voltage Escape Sign, Wall and Ceiling Mount, Maintained, Addressable, Single Sided - ISO Arrow Left
EasySafe Low Voltage Escape Sign	ESXL/ISOAR	EasySafe Low Voltage Escape Sign, Wall and Ceiling Mount, Maintained, Addressable, Single Sided - ISO Arrow Right
EasySafe Low Voltage Escape Sign	ESXL/ISOAU	EasySafe Low Voltage Escape Sign, Wall and Ceiling Mount, Maintained, Addressable, Single Sided - ISO Arrow Up
EasySafe Low Voltage Escape Sign	ESLX/B	Spare - EasySafe Low Voltage Escape Sign, Spare First Fix Base (5 pack)
EasySafe Low Voltage Escape Sign	ESLX/BP	Spare - EasySafe Low Voltage Escape Sign, Spare Battery Pack (5 pack)
EasySafe Low Voltage Escape Sign	ESX/ECAD	Spare Legend - EasySafe Low Voltage Escape Sign, Spare Legend - EC Arrow Down
EasySafe Low Voltage Escape Sign	ESX/ECAL	Spare Legend - EasySafe Low Voltage Escape Sign, Spare Legend - EC Arrow Left
EasySafe Low Voltage Escape Sign	ESX/ECAR	Spare Legend - EasySafe Low Voltage Escape Sign, Spare Legend - EC Arrow Right
EasySafe Low Voltage Escape Sign	ESX/ECAU	Spare Legend - EasySafe Low Voltage Escape Sign, Spare Legend - EC Arrow Up
EasySafe Low Voltage Escape Sign	ESX/ISOAD	Spare Legend - EasySafe Low Voltage Escape Sign, Spare Legend - ISO Arrow Down
EasySafe Low Voltage Escape Sign	ESX/ISOAL	Spare Legend - EasySafe Low Voltage Escape Sign, Spare Legend - ISO Arrow Left
EasySafe Low Voltage Escape Sign	ESX/ISOAR	Spare Legend - EasySafe Low Voltage Escape Sign, Spare Legend - ISO Arrow Right
EasySafe Low Voltage Escape Sign	ESX/ISOAU	Spare Legend - EasySafe Low Voltage Escape Sign, Spare Legend - ISO Arrow Up

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- A live demonstration of the LuxIntelligent panel
- A guide to the key information required for commissioning and essential pre-commissioning checks
- An explanation of the benefits and ease of use of LAN networking and cloud monitoring

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Advanced

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