LuxIntelligent Automatic Emergency Lighting Testing Panel - obsolete

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.

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.



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[1]	$24V_{dc}$, 500mA
Loop current	500mA
Event log	1000 event & 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

Order Codes and Options

Lx-9401:	LuxIntelligent Lx-9400 panel with single loop driver fitted
Lx-9402:	LuxIntelligent Lx-9400 panel with two loop drivers fitted
Lx-9403:	LuxIntelligent Lx-9400 panel with three loop drivers fitted
Lx-9404:	LuxIntelligent Lx-9400 panel with four loop drivers fitted

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Serial to Ethernet Converter - obsolete

The UP-017 serial to ethernet converter permits remote interaction and monitoring of the LuxIntelligent emergency lighting test panel. It is an economical and easy way to monitor panels from anywhere across the installation, using its local area network. It means there is no need to network panels across an installation, just simply tag each one on to the sites internal network. By simply connecting to a local network hub, it does away with the need to network groups of panels and allows any number of computers on the network to download test data. In turn, this facilitates access to the full LuxIntelligent Cloud and the associated mobile and desktop apps.

The device can be easily installed into any panel, running from the internal auxiliary power supply. The device 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. The device is easily configured using a standard Windows™ tool, simply allocating 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.

The device comes complete with the software tool for programming it and is compatible with Windows™ 95/98/ME/NT/2000/XP/2003/Vista/2008/7/8/8.1. The UP-017 works with the LuxIntelligent logging and configuration tools.



Features

- Small size for ease of installation
- Economic device for remote monitoring
- Inexpensive installation cost
- Allows full use of all LuxIntelligent monitoring features

Specification

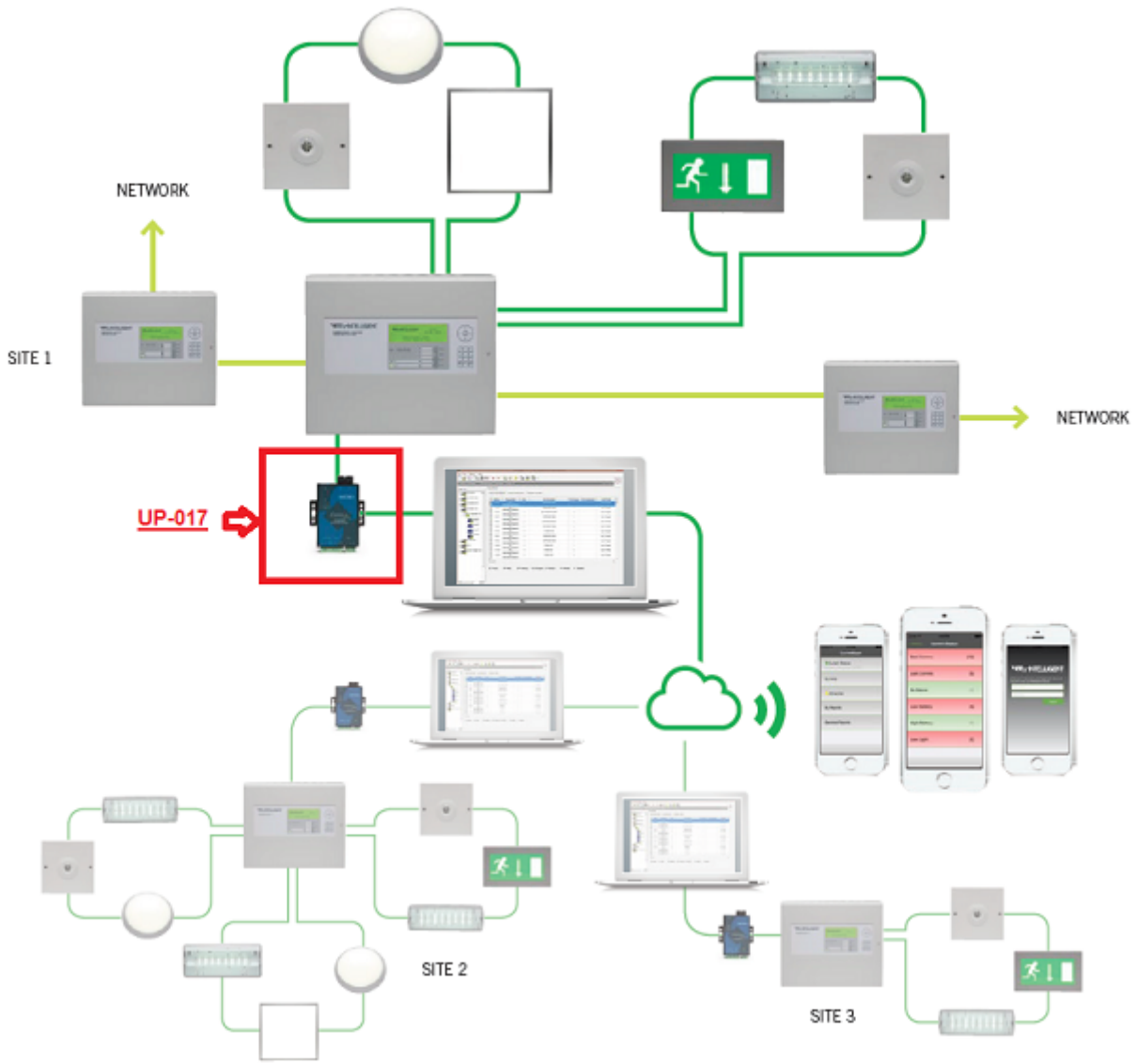
Supply voltage	12-48V_{DC}
Supply current	106mA @ 24V
Serial data	38.4 Baud
Connector	DB9 (male)
Ethernet	10/100Mbps
Connector	RJ45 (8 pin)
Temperature	0 to 55°C
Housing	Metal
Dimensions (box)	52*80*22 (mm)
Weight	340g

Order Codes and Options

UP-017:	Serial to ethernet converter (Moxa-5150) with appropriate connection leads

More Information

Typical UP-017 Application



Request For Information

To allow the UP-017 to exist on a local area network, the following information is required from the network administrator:

UP-017 Setting	Description	Value
IP Address	IP Address to be allocated to the UP-017 on the LAN.	___.___.___.___
Subnet Mask	Subnet Mask that the UP-017 will be connected to on the LAN	___.___.___.___
Gateway	The Default Gateway for the LAN that the UP-017 will need to be connected to	___.___.___.___
Server Name	The user name for the UP-017 will use for SMTP authentication (1 to 39 characters). This is optional	
Location	Textual description of the location of the device (1 to 39 characters). This is optional.	
Password	Optional password protection for authentication for configuration changes	

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Pulse Light Modules - obsolete

The 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 twenty-four hours a day and three hundred and sixty-five days a year.

All the modules are loop powered, which means 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 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 low-voltage range of luminaires called EasySafe.

Installation
Typical wiring configurations are shown on the second page of this datasheet.



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 LuxIntelligent panels

Specification

Part Number	LXP-302	LXP-110
Dimensions (H*W*D)	130*42*20	130*42*20
Fixing centres	118mm	118mm
Temperature	65°C	65°C
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	250V$_{ac}$(125VA)	N/A
Loop voltage	15-32V DC	15-32V DC
Current	1.7mA	1.7mA
Current (energised)	1.7mA	4.0mA
Current (on)	N/A	2.7mA
Input load	N/A	N/A

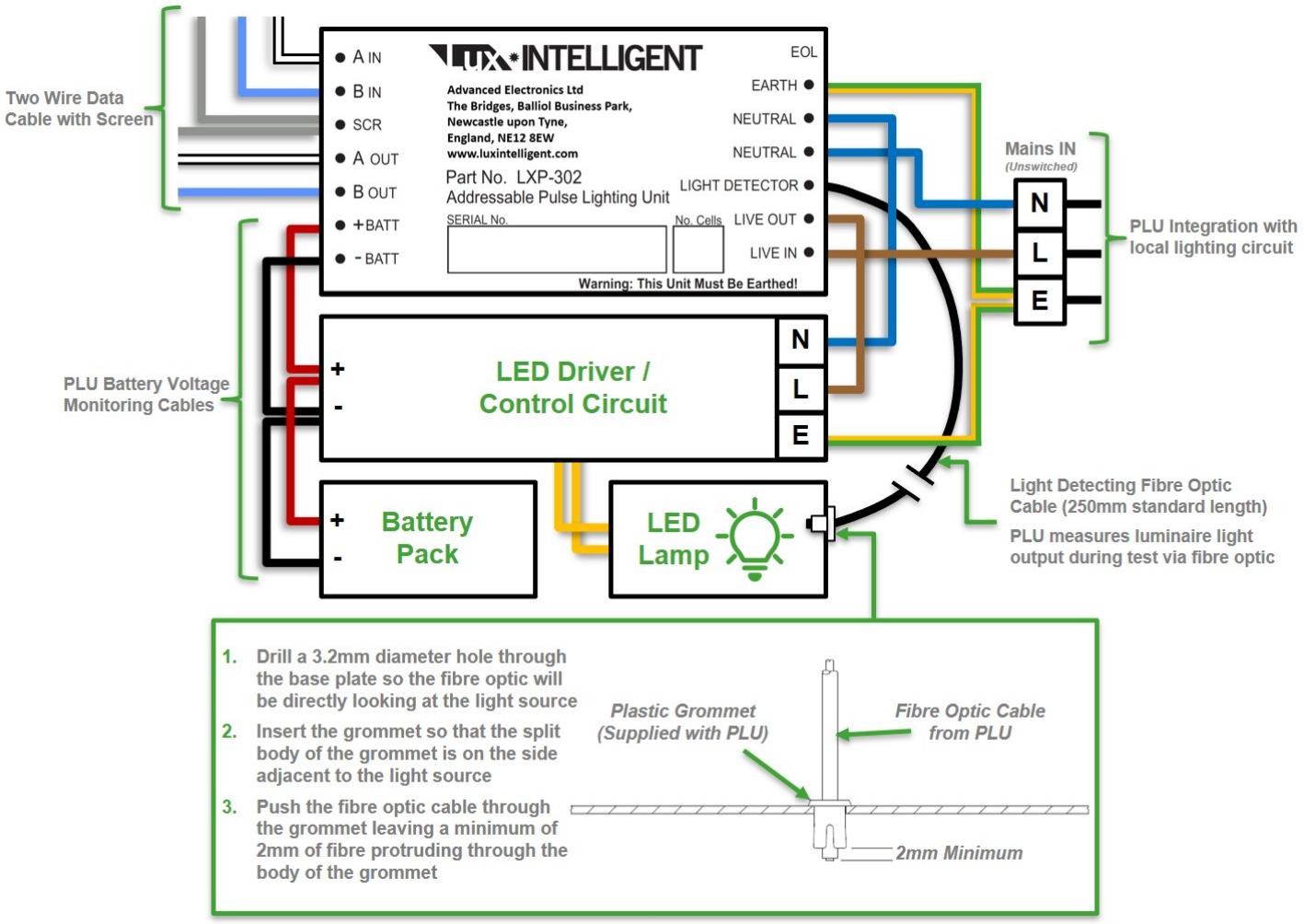
Order Codes and Options

LXP-302:	Standard PLU with 250mm fibre optic
LXP-302L:	Standard PLU with 1000mm fibre optic
LXP-110:	Input/Output Module

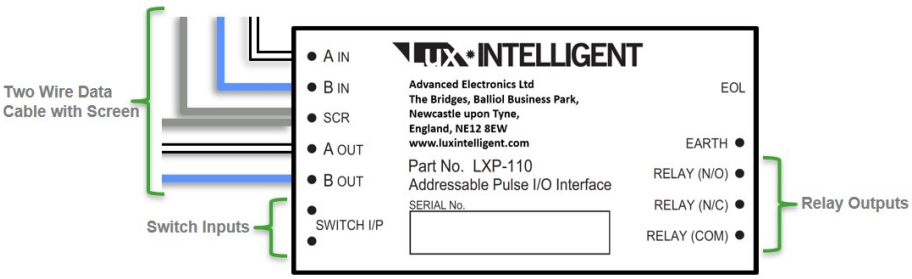
More Information

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.

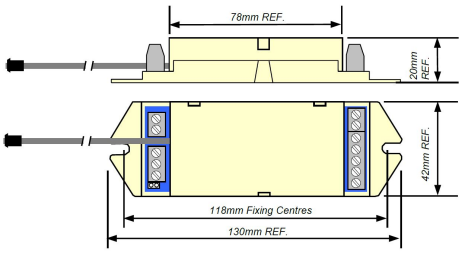
Typical LXP-302 Wiring Installation



LXP-110 Input/Output Unit



PLU and I/O Unit Dimensions



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EL/RL/240 Hold-Off Relay - obsolete

On some installations, it can sometimes be more advantageous to provide the emergency lighting from static inverter or central battery system. On systems using static inverters, it is sometimes necessary for the normal supply and static inverter supply to be selected automatically by a switching device either within or external to the luminaire.

The EL/RL/240 hold off relay provides a simple solution to this requirement. When a site uses a static inverter, it is not always tied to the grid frequency and could even be antiphase with the normal supply. When a relay tries to switch between these supplies there is a tendency for the relay to suffer from arcing between the normally open and normally closed contacts resulting in temporary short circuit between the two out of phase supplies. This will cause external circuit protection to operate.

Because the device uses two interposing relays for the two supplies and introduces a time delay of approximately 500mS between breaking the normal supply and connecting the static inverter supply, the device removes any risk of arcing across contacts due to phase differences between the two supplies. This is also reversed when the static inverter supply is removed and a similar delay is introduced prior to reconnection to the normal lighting supply.

A dimming isolation facility is incorporated as standard for use with dimming ballasts to enable full light output to be achieved in the emergency condition.



Features

- Enhanced change-over relay for static inverter supplied luminaires
- Automatic time delay to avoid arcing during change-over
- Built in dimming isolation feature

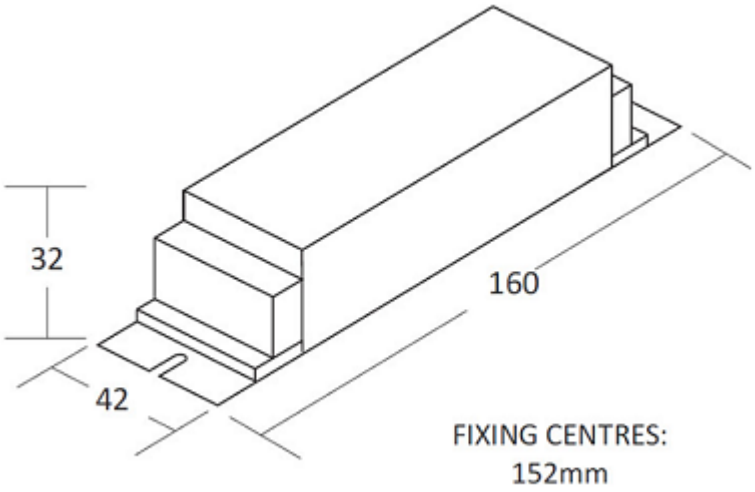
Specification

Supply Voltage	230Volt (220-240V) at 50Hz
Supply Current	18mA
Temperature Range	0 to 70°C
Relays	2 * DPCO and 1 * SPCO
Time Delay on change-over	500mS (approx.)
Relay Rated Voltage	240V AC
Relay Rated Current	4A (Maximum)
Dimensions (H*W*L)	32 * 42 * 160 (mm)
Fixing centres (mm)	152

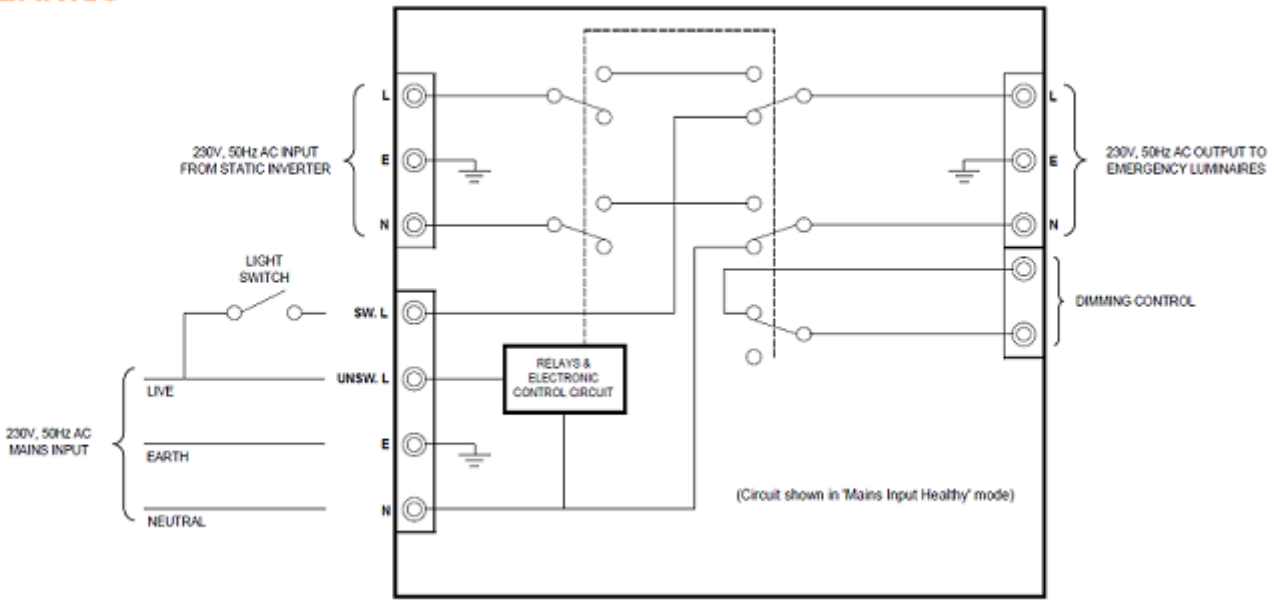
Order Codes and Options

EL/RL/240:	Enclosed hold-off relay with built-in delay

Dimensions



SCHEMATIC



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LuxIntelligent Panel with EasySafe - obsolete

The LuxIntelligent addressable emergency lighting control system is designed 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.

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It supports both maintained, non-maintained and slave luminaires in either self-contained, central battery or static inverter systems. It supports all of the 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 of 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.



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	Lx-9800
Display	Backlit 260 by 64 graphical LCD	Backlit 260 by 64 graphical LCD
Controls	Alpha-numeric keypad, navigation keys, mute and reset	Alpha-numeric keypad, navigation keys, mute and reset
Enclosure/colour	Steel IP30/RAL 7035	Steel IP30/RAL 7035
Dimensions (H*W*D) mm	385 * 450 * 125	950 * 450 * 188
Weight	8.6kg	25kg
Temperature	-5°C to 40°C	-5°C to 40°C
Humidity	95% max	95% Max

Cable entries (20mm knockouts)	18 top, 9 top rear, 2 bottom	18 Top, 9 Top Rear, 2 Bottom
Mains supply	220-240V, +10%, -15%, 47-63 Hz AC, 1A (Max)	220-240V, +10%, -15%, 47-63 Hz AC, 1A (Max)
Battery capacity	24V 4Ah (Min), 24V 12Ah (Max) Internal	4 x 12V 4Ah (Min), 4 x 12V 38Ah (Max) Internal
Charging current	2.4A, temperature compensated	2.4A, temperature compensated (*2)
Power supply	Separate 24Vdc, 5A universal input, switched mode	Separate 24Vdc, 5A universal input, switched mode (*2)
Number of loops	1 to 4	2 to 8
Devices per loop (total)	249 (up to 50 EasySafe luminaires per loop)	249 (Up to 50 EasySafe luminaires per loop)
Protocols	PuLsE	PuLsE
Auxiliary supply output[1]	$24V_{dc}$, 500mA	$24V_{dc}$, 500mA (*2)
Loop current	500mA	500mA
Event log	1000 event & diagnostic	1000 event & diagnostic
Number of Zones	200 maximum, across 4 loops (1000 when networked)	200 max. across 4 loops (1000 when networked)
Number of test groups	50	50 per panel, 100 across enclosure
Number of scheduled tests	400	400 per panel, 800 across enclosure
On-board relays	2 * 1A 30V AC/DC (fault)	4 * 1A 30V AC/DC (Fault)
Serial port	1 * RS232 on board for PC/modem/printer	2 * RS232 on board for PC/modem/printer
Integral modem (optional)	For connection to logging PC	For connection to logging PC

Order Codes and Options

Lx-9401:	LuxIntelligent Lx-9400 panel with single loop driver fitted
Lx-9402:	LuxIntelligent Lx-9400 panel with two loop drivers fitted
Lx-9403:	LuxIntelligent Lx-9400 panel with three loop drivers fitted
Lx-9404:	LuxIntelligent Lx-9400 panel with four loop drivers fitted
Lx-9805:	LuxIntelligent Lx-9800 panel with five loop drivers fitted

Easy*SAFE

EasySafe Luminaires

The LuxIntelligent panel works not only with full range of LuxIntelligent luminaires, but also can support the EasySafe range of loop-powered luminaires. Because the EasySafe range of luminaires (downlighters and exit signs) are powered by the loop, there are limitations in the quantities of such luminaires that can be supported on a loop. This is up to fifty. However, if less are used, there is the possibility mixing more conventional luminaires with the EasySafe style is possible.

As the EasySafe luminaires are loop powered, the panel will be dependant on the use of peripherals such as the Lxp-110 I/O device to sense local distribution board failures and isolations and force the EasySafe luminaires into emergency mode.

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LuxIntelligent Ethernet, WiFi or 4G Router - obsolete

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.

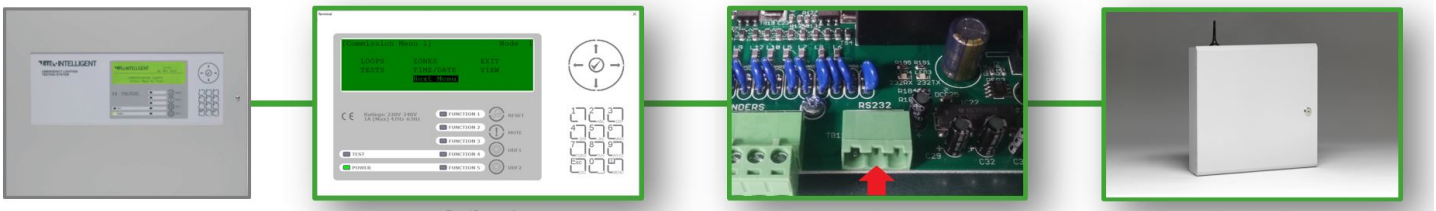
Full technical support is available to help guide users in the setup and connection of your router via our technical support team.



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

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 at my.luxintelligent.com/
- Download Lux Sync Tool
- Pulls all data into your cloud account

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	DMZ, anti-DoS, Filtering (IP/Domain name/MAC address),
	Port Mapping, Access Control
Management	Web, CLI, SMS
Power Supply and Consumption	
Connector	2-pin 3.5 mm 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 °C
Storage Temperature	-40 to +85 °C
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



Order code

SP-3665-1	LuxIntelligent Serial to Ethernet, WiFi or 4G Router in Wall-mounted panel

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Blade-LED - obsolete

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



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

Specification

Supply voltage	230Volts (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

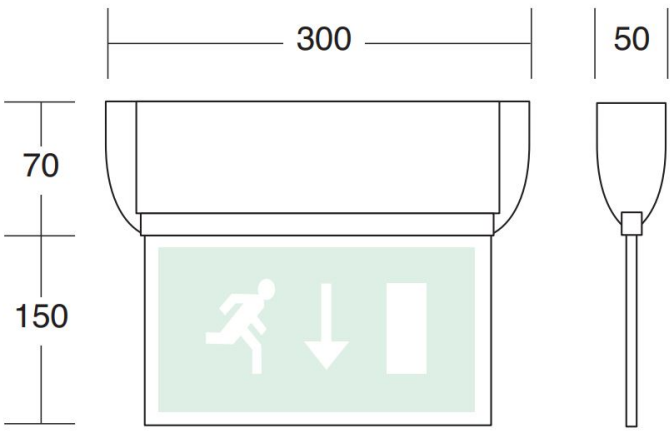
Order Codes

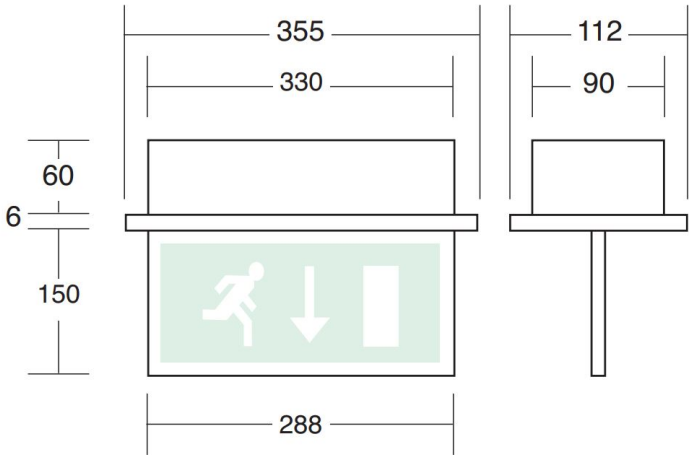
BLED/M3/P:	Surface Blade-LED 3 hour maintained double sided emergency luminaire (white finish) - Reversible Arrow Right or Left
BLED/M3/P/R:	Recessed Blade-LED 3 hour maintained double sided emergency luminaire (white finish) - Reversible Arrow Right or Left
BLED/WB/W:	Blade-LED white wall mounting bracket
BLED/WSK/W:	Blade-LED white wire suspension kit
/AD	Add suffix "AD" for Arrow Down legend
/AU	Add suffix "AU" for Arrow Up legend
/ISO	Add suffix "/ISO" for ISO standard running man - comes as EC format running man as standard

Colour options available - white, chrome and black









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Circu-LED - obsolete

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 1920 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.

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 provides 3-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.



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

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
Dimensions	395mm (dia) x 113mm (H)
Cable entry	20mm hole (centre of back plate)
IP rating	IP20
Ambient temperature	25°C
Insulation class	Class I
Supply voltage	230V ~ 50Hz
Supply power	22.7W (mains) 26.1W (emergency)
Charge power (typical)	3.5W (emergency)
Battery	1 x 6.0V 2.0Ah NiCd
Weight	1.3kg (mains) 3.4kg (emergency)

Order Codes and Options

ULED/M3/P	Circu-LED Luminaire, Surface Mount, Maintained, Addressable - 0.40M Diameter
ULED/230	Circu-LED Luminaire, Surface Mount, Mains Only, Non-Addressable - 0.40M Diameter
ULED/M3/P/MW	Circu-LED Luminaire, Surface Mount, Maintained, Addressable - 0.40M Diameter (with Microwave Detector)

More Information

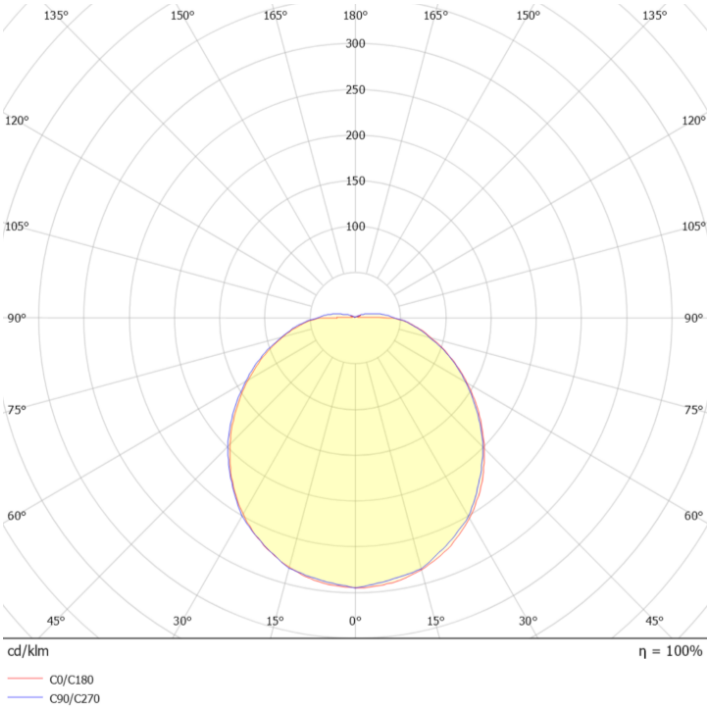
Spacing Data

	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

Finishes



Light Output Curve



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Exi-LED - obsolete

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 3 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.



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

Order Codes and Options

ELED/M3/P:	Exi-LED wall mounted 3 hour exit sign with white finish
ELED/M3/P/SG:	Exi-LED wall mounted 3 hour exit with textured silver/grey finish
ELED/M3/P/WH:	Exi-LED wall mounted 3 hour exit with textured white finish

More Information

Legends

The standard Exi-LED is supplied with ISO format exit legends. Unless stated, the luminaire will be supplied with the arrow down direction. For other variants, the following codes should be added to the full product code:

/AR Arrow Right

/AL Arrow Left

/AU Arrow Up

The legends are also in available in the EC Signs Directive and should be ordered with the following codes appended.

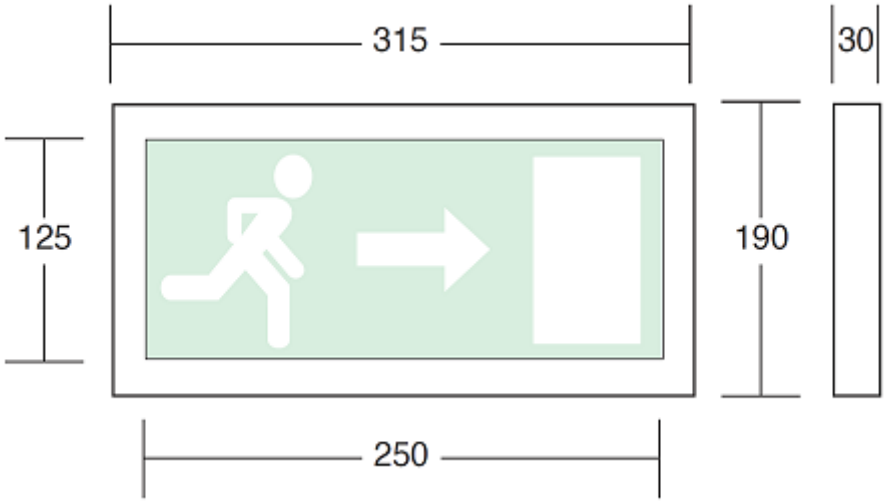
/ECAD EC Format, Arrow Down

/ECAR EC Format, Arrow Right

/ECAL EC Format, Arrow Left

/ECAU EC Format, Arrow Up

Dimensions



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Mor-LED - obsolete

The Mor-LED bulkhead is a robust IP65-rated polycarbonate base combined with a clear fresnel lens housing 16 high-output white LEDs and a 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 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. 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, thereby 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 4 to 5 years of maintenance-free operation. 20mm drilling points are available at either end of the base as well as one on the rear.



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 -20C)
- Fully complies with all aspects of EN60598.2.22
- Lens can be fitted with 100mm high self-adhesive signs
- 150 Lumens output as standard
- High output 800 Lumens variant available

Specifications

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 & optical grade, UV stabilised lens
Geartray	Hinged white plastic
IP ratings	IP65 (at 25°C)
Dimensions (H*W*D)	350 * 120 * 65 (mm)
Weight	1.1kg (1.2kg with deep diffuser)
Battery	1 x 3.6V 1.5Ah NiCd
Luminaire lumens (mains & emergency)	150lm
Luminaire lumens (high output version emergency)	800lm

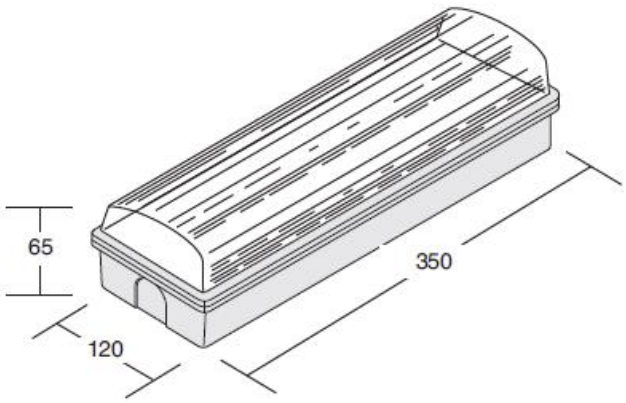
Order Codes and More Information

RLED/M3/P	Mor-LED IP65 Bulkhead, Surface Mount, Maintained, Addressable
RLED/NM3/P/FR	Mor-LED IP65 Bulkhead, Surface Mount, Non-Maintained, Addressable
RLED/SL/B	Mor-LED Semi-Recessing Bezel (120mm x 350mm bulkhead)
RLED/DDS	Mor-LED IP65 Deep Double Sided Diffuser for Escape Sign Conversion (including Adhesive Legends)*
LEG-001	Mor-LED, Self Adhesive Escape Sign - EC Arrow (Adjustable Direction)**

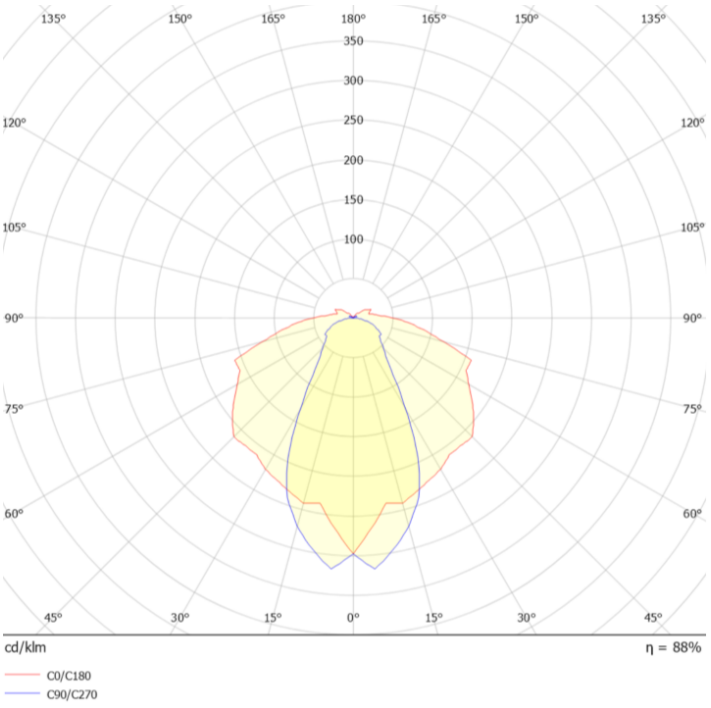
*RLED/DDS = 32m viewing distance / **LEG-001 = 25m viewing distance

Mounting Height (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



Light Output Curve



Deep Double-Sided Diffuser



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Panel-LED - obsolete

The Panel-LED is the latest in LED reliability and low energy lighting applications. The Panel-LED is only 12mm thick and drops into a standard 600mm square tile opening in exposed -T ceilings. They provide an aesthetically pleasing high output uniform light source with a colour temperature of 4500K (White). The front face of the Panel LED operates with an even luminance distribution and provides glare-free illumination on the working plane.

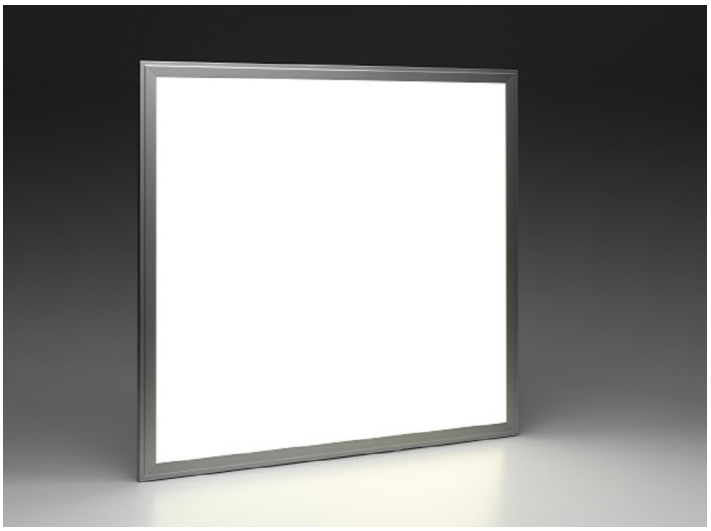
The Panel-LED luminaires are driven by 230Volt 50 Hertz small electronic drivers which are power-factor corrected. They can be supplied as standard mains-only luminaires and are also available as full emergency units. Dimming controls are also an option. The emergency option fully supports all the features of the LuxIntelligent test system and complies fully with all applicable requirements of EN60598.2.22.

Operation

The Panel-LED is supplied with all the standard emergency equipment housed within a galvanised remote metal housing. In the event of a power failure, the luminaire continues to operate for a further 3 hours from the nickel-metal hydride batteries. Maintained versions can be used for standard mains lighting and will automatically provide emergency lighting in the event of a loss of normal mains supply.

Installation

The Panel-LED drops into a standard 600mm square tile opening in exposed T ceilings. The luminaire is also available with dimming control options.



Features

- Low-energy high-light output
- Long-life LEDs (50,000 hours)
- Simple installation into suspended ceilings
- Fully complies with all aspects of EN60598.2.22
- Fully compatible with LuxIntelligent test system

Specification

Supply voltage (into driver)	110-254 Volts @50Hz
Power supply	47W (max. 50W)
Light source/output	LED (4* 150 LED strips), 4250 lumens
Battery	6V (5 Cell) NiMH 3 & 2 cell pack
Recharge period	24 hours (14 hours 1 hour duration)
Typical efficiency	82 Lm/W
Colour temperature	4500K
Dimensions (mm)	595 (Sq) x 12 (H)
Remote box dimensionsions	360 x 160 x 45 (mm)
Weight	5.85Kg (EM version) 4.7kg (mains only)
IP rating	IP54 (of panel)

Order Codes and Options

PLED/M3/P:	Panel-LED 3 hour maintained luminaire
PLED/230:	Panel-LED mains-only luminaire
PLED/230/Dim:	Panel-LED mains-only luminaire with dimming control
PLED/M3/P/Dim:	Panel-LED 3 hour maintained luminaire with dimming control

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LED-Lite Surface - obsolete

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 3-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 3-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.



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

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 (emergency)	160lm

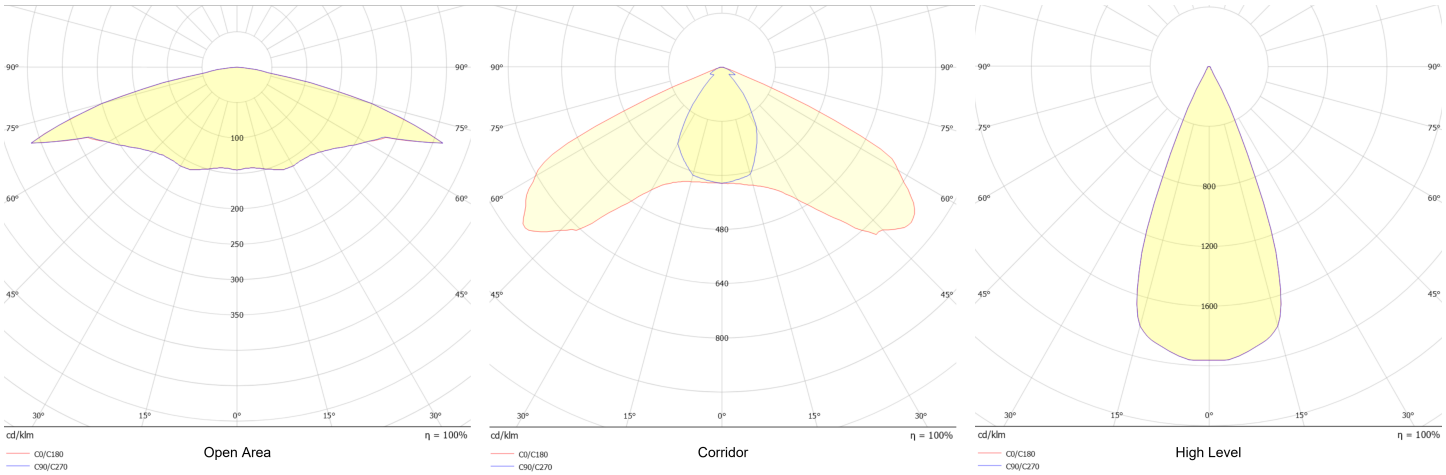
Order Codes and Options

LLED3/NM3/P/SUR	LED-Lite Downlighter, Surface Mount, Addressable, Non-Maintained, Open Area Lens (White Surface Mount Box)
LLED3/NM3/P/SUR/C	LED-Lite Downlighter, Surface Mount, Addressable, Non-Maintained, Corridor Lens (White Surface Mount Box)
LLED3/NM3/P/SUR/HL	LED-Lite Downlighter, Surface Mount, Addressable, Non-Maintained, High Level Lens (White Surface Mount Box)
/BK	Add suffix for black finish
/WP	Add suffix for IP65 Weather Proof version
/HO	Add suffix for High Output version

More Information

	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 0.5 lux	Spacing (m) min 1 lux	Spacing (m) min 0.5 lux	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 Output Curves



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LED-Lite Recessed - obsolete

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 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. 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 3-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.



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

Supply voltage	230 Volt (220-240V) @50Hz
Supply power	1.5W
Light source	3W white LED
Colour temperature	4500K
Body	Steel remote box
IP Rating	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

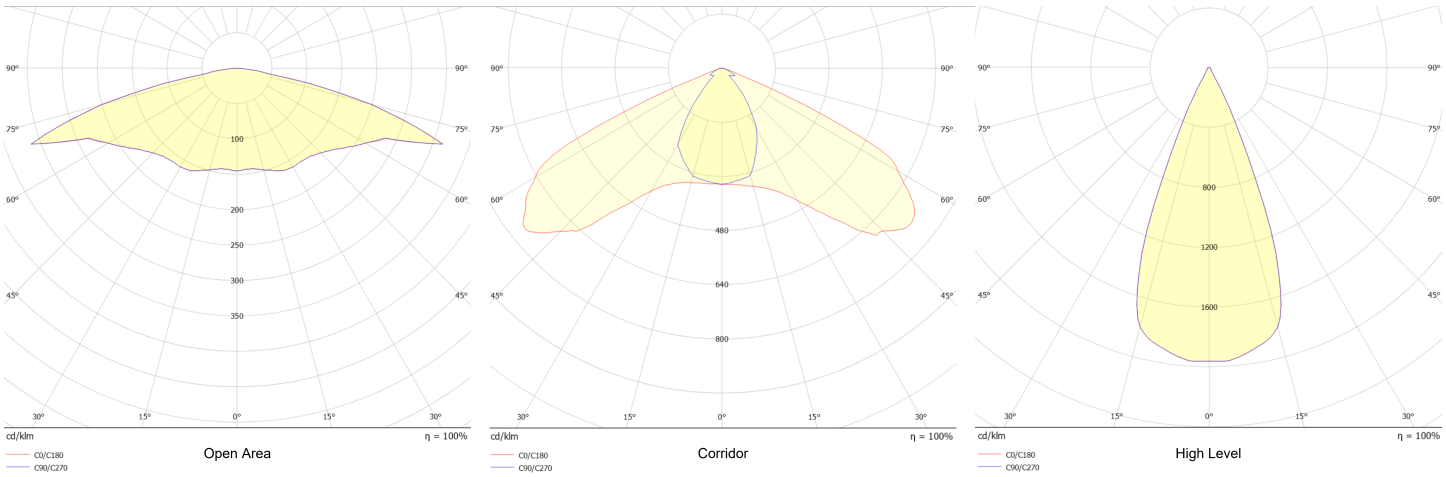
Order Codes and Options

LLED3/NM3/P/REM	LED-Lite Downlighter, Recessed, Addressable, Non-Maintained, Open Area Lens (White Body)
LLED3/NM3/P/C/REM	LED-Lite Downlighter, Recessed, Addressable, Non-Maintained, Corridor Lens (White Body)
LLED3/NM3/P/HL/REM	LED-Lite Downlighter, Recessed, Addressable, Non-Maintained, High Level Lens (White Body)
/TH	Replace "/REM" for suffux TH for a through-hole pack instead of a remote metal housing
/BLK	Add suffix for black version
/WP	Add suffix for IP65 Weather Proof version
/HO	Add suffix for High Output version

More Information

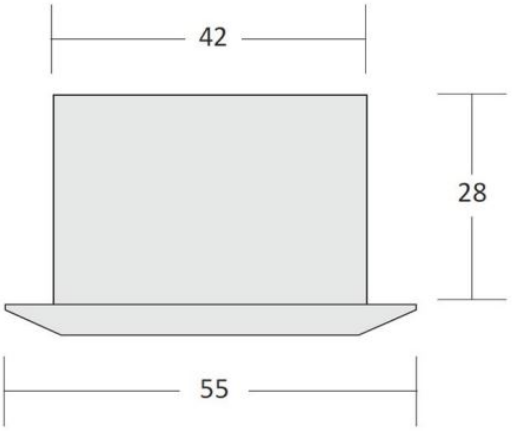
	Open Area Lens		Corridor Area Lens		High-Level Lens	
Mounting Height	Spacing (m) min 0.5 lux	Spacing (m) min 1 lux	Spacing (m) min 0.5 lux	Spacing (m) min 1 lux	Spacing (m) min 0.5 lux	Spacing (m) min 1 lux
2	9.8	8.9	n/a	11.9	n/a	n/a
2.5	9.4	8.2	n/a	12.9	n/a	n/a
3	8.7	7.5	n/a	13.1	n/a	n/a
3.5	8	6.8	n/a	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 Output Curves



Downlighter in Black Dimensions





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Panel-LED (Round) - obsolete

This round recessed low-energy, long-life LED luminaire provides an aesthetically pleasing uniform light source with a colour temperature of 4500K (White).

The round Panel-LED luminaires are driven by 230 Volt 50 Hertz small electronic drivers which are power-factor corrected (0.9). They can be supplied as standard mains only luminaires and are also available as full self-contained emergency fittings. The emergency option fully supports all the features of the LuxIntelligent system and complies fully with all applicable requirements of EN60598.2.22.

Operation

The round Panel-LED is supplied with all the standard equipment housed within the luminaire itself. In the event of a power failure, the luminaire continues to operate for a further 3 hours from the nickel cadmium batteries. Maintained versions can be used for standard mains lighting and will automatically provide emergency lighting in the event of a loss of normal mains supply.

Installation

The round Panel-LED comes complete with spring fixings for ease of recessing into ceiling tiles or plasterboard ceilings and is supplied with a flying green LED for confirmation of charging.



Features

- Low-energy luminaire
- Long-life LEDs (50,000 hours)
- Simple installation into suspended ceilings
- Suitable for plasterboard ceilings
- Full compliant with EN60598.2.22
- Fully compatible with LuxIntelligent test system

Specification

Supply voltage (into driver)	110-254 Volts @ 50 Hz
Supply power	15W
Light source/output	LED, 1280 lumens
Battery	6V (5 Cell) NiCd 3 & 2 cell pack
Recharge period	24 hours (14 hours 1 hour duration)
Typical efficiency	85 Lm/W
Colour temperature	4500K
Dimensions (mm)	240 x 20 (dia x h)
Weight	1.5kg
IP rating	IP40

Order Codes and Options

PLED/230/R:	Panel-LED round recessed mains only luminaire
PLED/M3/?P/R:	Panel-LED round recessed addressable maintained 3 hour emergency luminaire

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Twin-LED - obsolete

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 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.



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 25 metres achieving 1 Lux centre line
- Fully compatible with LuxIntelligent test system
- IP65 variant available

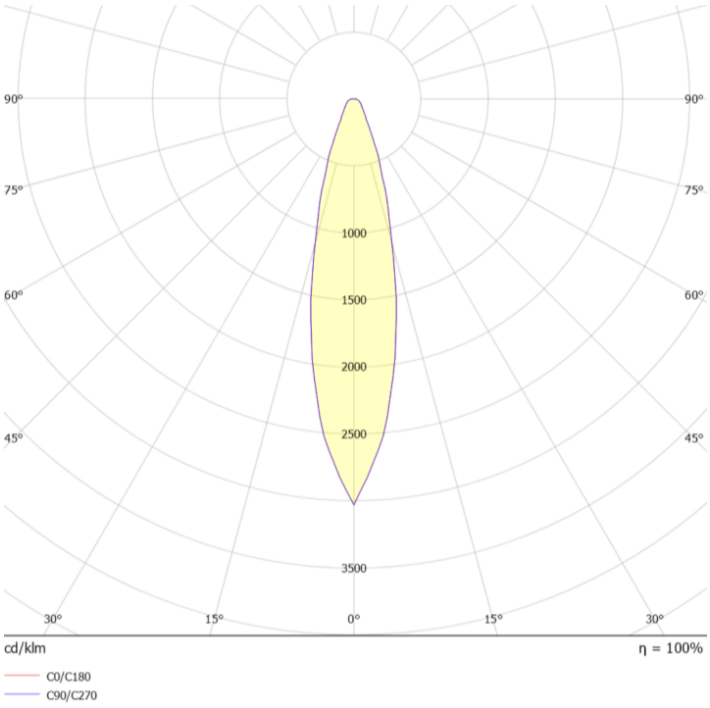
Order Codes and Options

TLED/NM3/P	Twin-LED Spotlights, Wall Mount, Non-Maintained, Addressable
TLED/NM3/P/WP	Twin-LED Weatherproof Spotlights, Wall Mount, Non-Maintained, Addressable, IP65

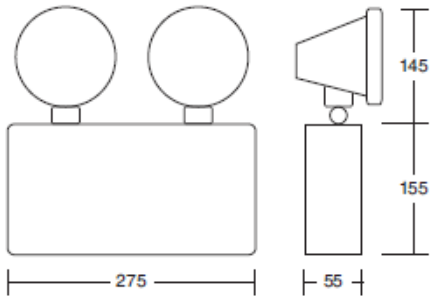
Specification

Supply voltage	230V (220-240V) @ 50Hz
Supply power / Charging 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)
IP rating / Insulation / Ambient Temperature	IP20
Insulation Class	Class II
Ambient Temperature	25°C
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

Light Output Curve



Dimensions



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Round-LED IP65 - obsolete

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.



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 & 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)

Order Codes

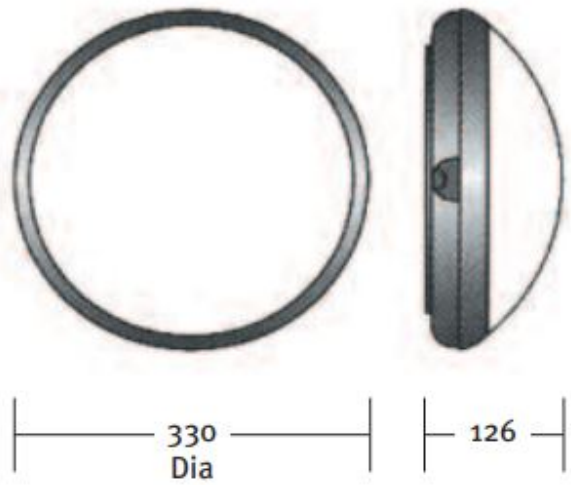
Order Codes and Options

RNLED/AC	Round-LED IP65 Luminaire, Surface Mount, Mains Only, Non-Addressable - 0.33M Diameter
RNLED/AC/DALI	Round-LED IP65 Luminaire, Surface Mount, Mains Only, Non-Addressable - 0.33M Diameter (with DALI Driver)
RNLED/AC/MW	Round-LED IP65 Luminaire, Surface Mount, Mains Only, Non-Addressable - 0.33M Diameter (with Microwave Detector)
RNLED/M3/P	Round-LED IP65 Luminaire, Surface Mount, Maintained, Addressable - 0.33M Diameter
RNLED/M3/P/DALI	Round-LED IP65 Luminaire, Surface Mount, Maintained, Addressable - 0.33M Diameter (with DALI Driver)
RNLED/M3/P/MW	Round-LED IP65 Luminaire, Surface Mount, Maintained, Addressable - 0.33M Diameter (with Microwave Detector)

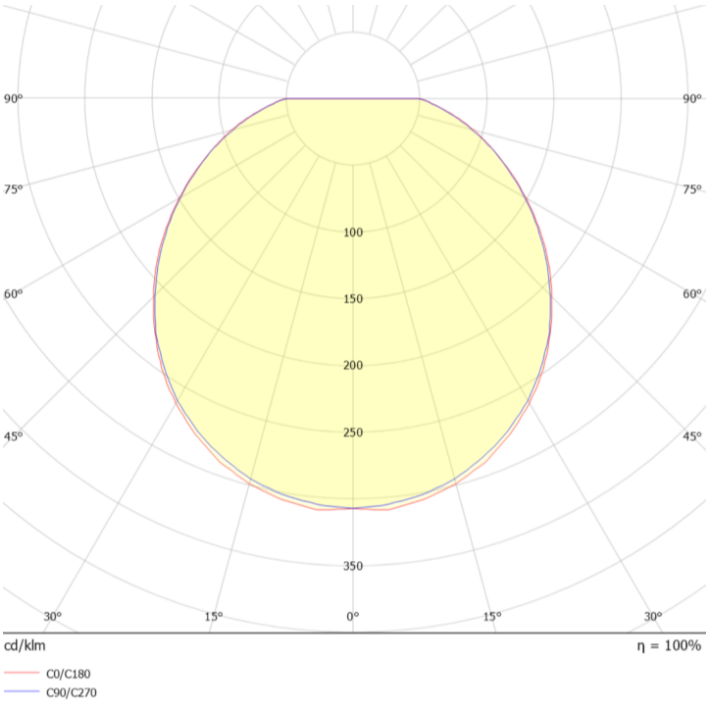
Spacing Data

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

Dimensions



Light Output Curve



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Weather-LED - obsolete

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 below 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 & 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.

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



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

General Details & Specification

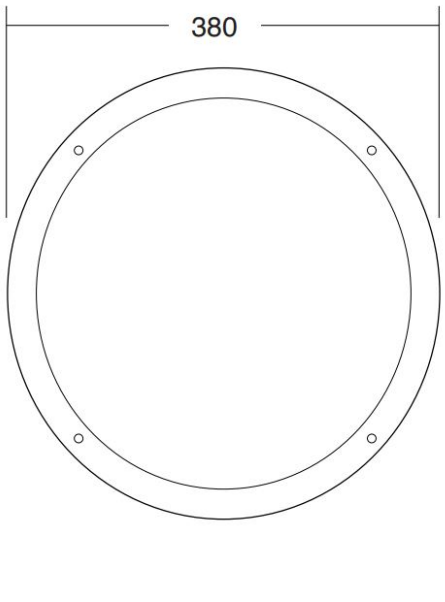
Product	Weather-LED
Light source	Multi-circuit LEDs
Construction	Cast aluminium body (incl. EYE or CDB covers) with polycarbonate opal lens

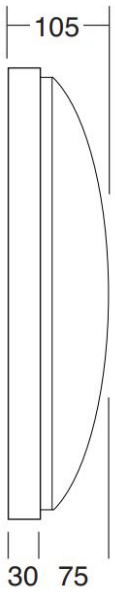
Geartray	White PCB fixed keyhole slots
Dimensions	360mm (diameter) x 100mm max (H)
Cable entry	20mm conduit in back
Light source	Surface-mounted white LEDs (2500lm max.)
Colour temperature	4500K
Luminaire lumens (mains)	1750lm (1400lm EYE version)
Luminaire lumens (emergency)	280lm (224lm EYE version)
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 (does not apply to eyelid cover)

Mounting height (Hm (m))	Spacing (m) min 0.5Lux open area	Spacing (m) min 1Lux 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 and Back Panel







Eyelid Cover



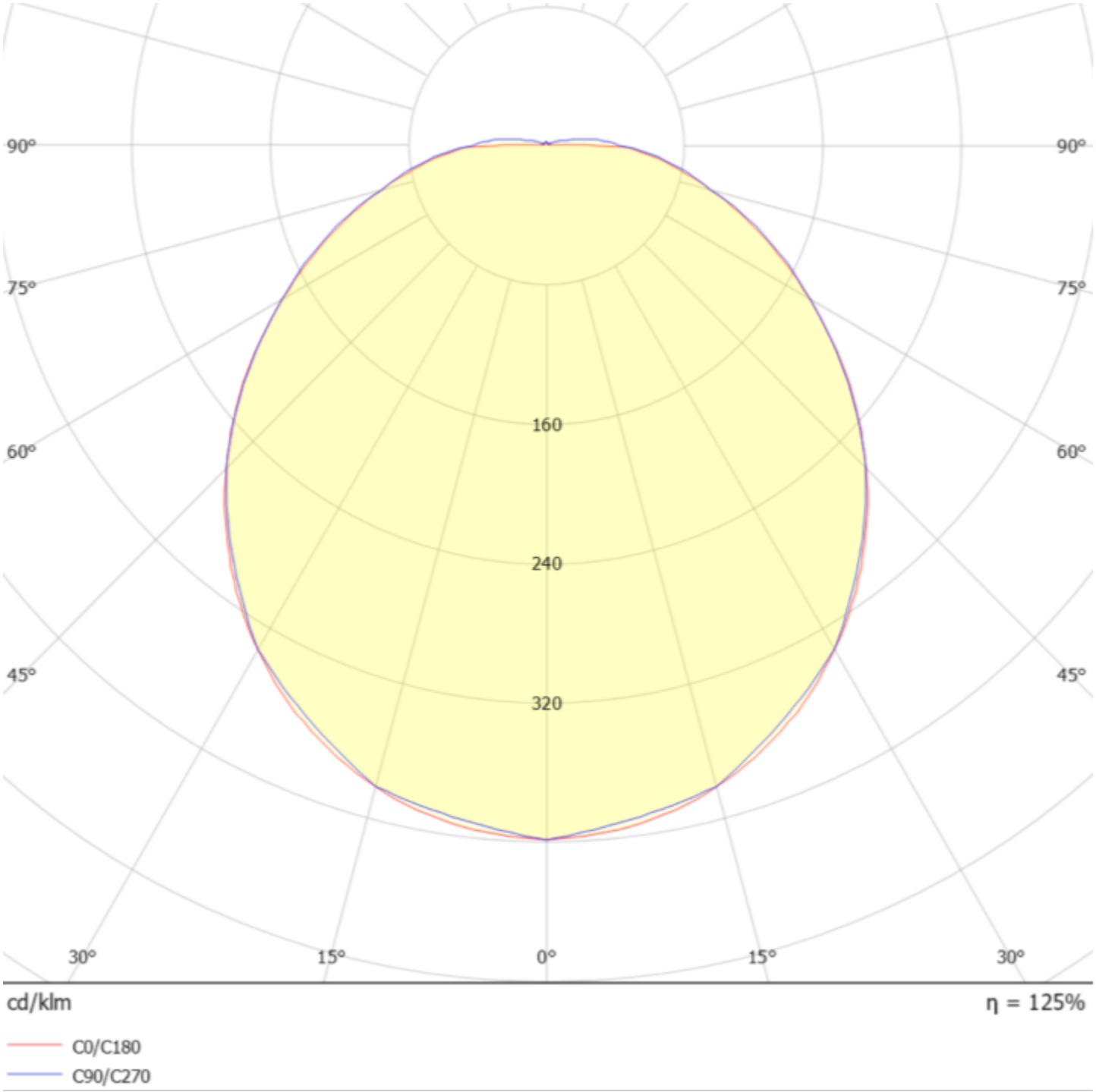
Crossblade Cover



Options and Order Codes

WLED/M3/P	Weather-LED IP65 Circular LED, Maintained 3 Hour Emergency Luminaire
WLED/M3/P/MW	Weather-LED IP65 Circular LED, Maintained 3 Hour Emergency Luminaire with Microwave Sensor
WLED/M3/P/EYE	Weather-LED IP65 Circular LED, Maintained 3 Hour Emergency Luminaire with Eyelid Cover
WLED/M3/P/EYE/MW	Weather-LED IP65 Circular LED, Maintained 3 Hour Emergency Luminaire with Eyelid Cover & Microwave Sensor
WLED/M3/P/CBD	Weather-LED IP65 Circular LED, Maintained 3 Hour Emergency Luminaire with Crossblade Cover
WLED/M3/P/CBD/MW	Weather-LED IP65 Circular LED, Maintained 3 Hour Emergency Luminaire with Crossblade Cover & Microwave Sensor

Light Output Curve



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Escape-LED - obsolete

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.



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)

General 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

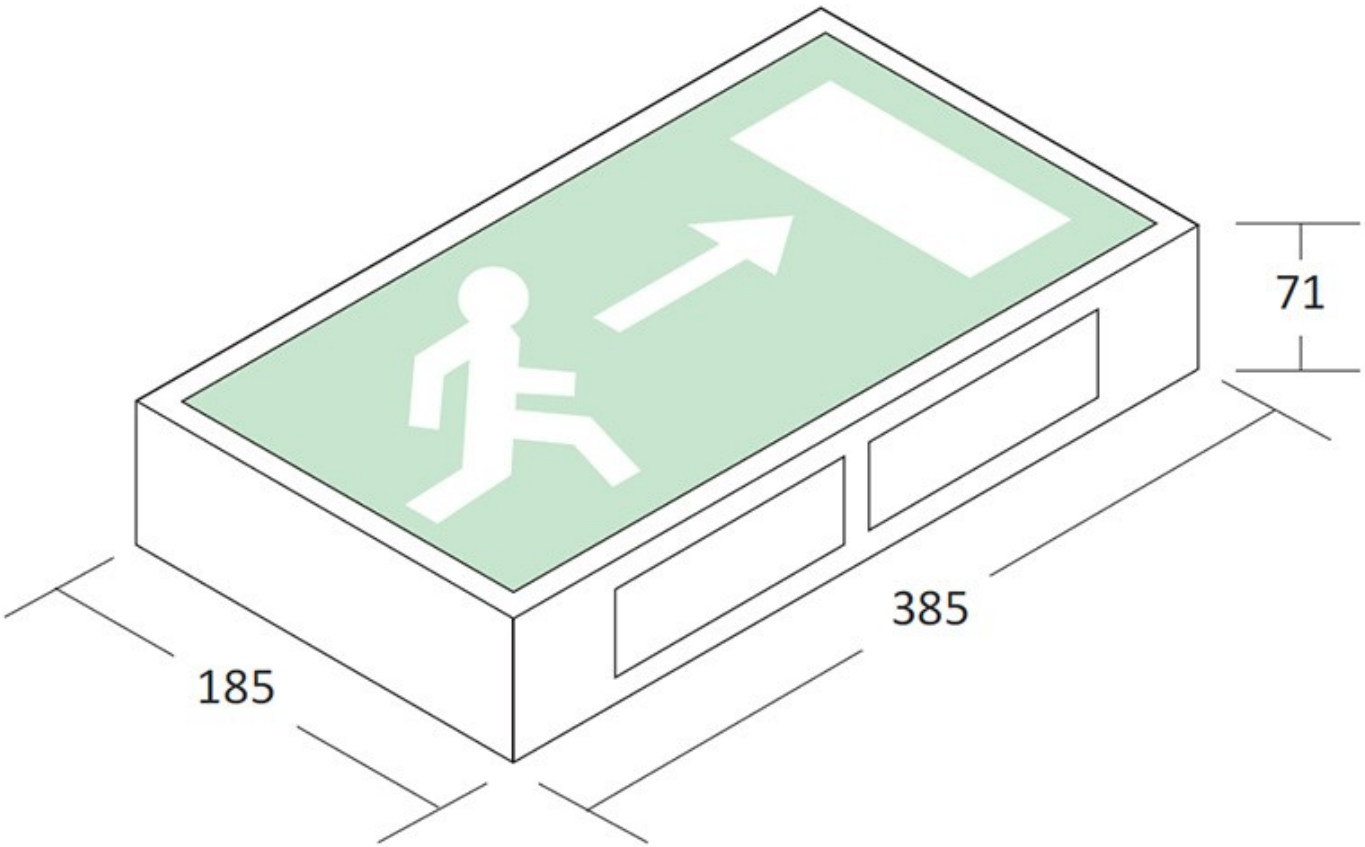
Operational Specification

Light source	16 x white LEDs
Colour temperature	4500K
Luminaire lumens	N/A

Lumens (emergency)	N/A
IP rating	IP20
Ambient temperature (Ta)	25°C
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

Order Codes

ESC-LED/M3/P	Escape Exit LED Maintained metal boxed single sided addressable Exit sign Arrow Down
ESC-LED/M3/P/AL	Escape Exit LED Maintained metal boxed single sided addressable Exit sign Arrow Left
ESC-LED/M3/P/AR	Escape Exit LED Maintained metal boxed single sided addressable Exit sign Arrow Right
ESC-LED/M3/P/AU	Escape Exit LED Maintained metal boxed single sided addressable Exit sign Arrow Up
/ISO	Add suffix "/ISO" for ISO Style Running Man Legend (EC Format as standard)



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Mor-LED High Output (800lm / 50 lux) - obsolete

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.

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.



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 -20C)
- 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

Specifications

	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°C	
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

Order Codes

RLED/NM3/P/HO	Mor-LED IP65 High Output Bulkhead, Surface Mount, Non-Maintained, Addressable (800 Lumens in Emergency)
RLED/SL/B/HO	Mor-LED High Output Semi-Recessing Bezel (120mm x 350mm x 90mm bulkhead)

(Luminaire can be used as maintained or non-maintained)

More Information

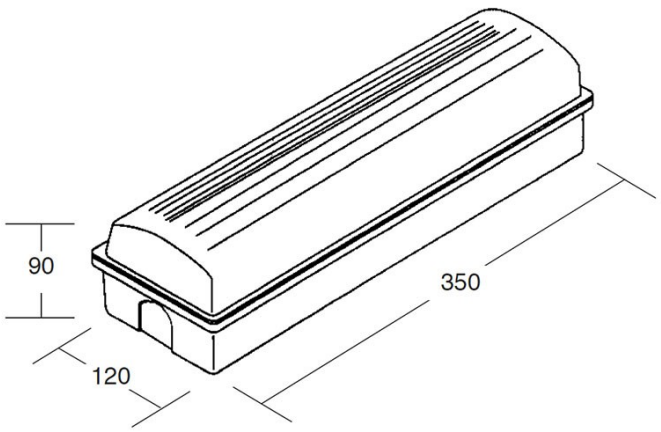
1 lux minimum at centre line (escape route)

Mounting Height (M)	Trans. to wall	Trans. to trans.	Axial to trans.	Axial to axial	Axial to wall
2.5	5.0	11.4	10.1	9.5	4.1
4.0	7.9	16.6	14.9	15.1	5.9
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

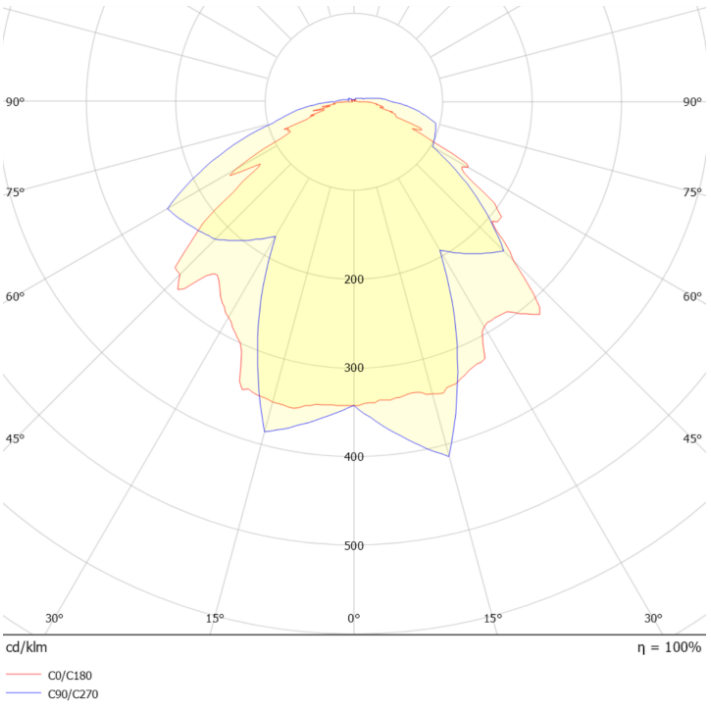
0.5 lux minimum (open area)

Mounting Height (M)	Trans. to wall	Trans. to trans.	Axial to trans.	Axial to axial	Axial to wall
2.5	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
10.0	9.8	23	22.6	22.3	7.1
12.0	7.6	23.9	23.4	22.9	5.7

Dimensions



Light Output Curve



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LED-Lite High Output - obsolete

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. 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.



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

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°C
Cut-out diameter / minimum void depth	45mm / 175mm
Dimensions (H*W*D)	285 * 95 * 40 (mm) (remote box) 195 * 195 * 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

Order Codes and Options

LLED3/NM3/P/SUR/HO	LED-Lite Addressable Non-Maintained 3Hr 3W LED Open Area Lens (In White Surface Mount Box) 700mA High Output
LLED3/NM3/P/SUR/C/HO	LED-Lite Addressable Non-Maintained 3Hr 3W LED Corridor Lens (In White Surface Mount Box) 700mA High Output
LLED3/NM3/P/SUR/HL/HO	LED-Lite Addressable Non-Maintained 3Hr 3W LED High Level Lens (In White Surface Mount Box) 700mA High Output
LLED3/NM3/P/REM/HO	LED-Lite Addressable Non-Maintained 3Hr 3W LED Recess mount with remote metal housing Open Area Lens 700mA High Output
LLED3/NM3/P/C/REM/HO	LED-Lite Addressable Non-Maintained 3Hr 3W LED Recess mount with remote metal housing Corridor Lens 700mA High Output
LLED3/NM3/P/HL/REM/HO	LED-Lite Addressable Non-Maintained 3Hr 3W LED Recess mount with remote metal housing High Level Lens 700mA High Output
/BLK	Add suffix for black version
/WP	Add suffix for IP65 Weather Proof Version

Spacing Data

LED-Lite High Output with Open Area Lens

	Escape Route (1 lux)		Open area (0.5 lux)	
Height	Luminaire to Wall (m)	Luminaire to Luminaire (m)	Luminaire to Wall (m)	Luminaire to Luminaire (m)
2.0	4.1	12.5	4.7	12.5
2.5	3.8	12.2	4.5	13.4
3.0	3.4	11.6	4.2	13.2
3.5	3.1	10.9	3.9	12.9
4.0	2.5	10.2	3.6	12.2
6.0	n/a	n/a	n/a	n/a
8.0	n/a	n/a	n/a	n/a
10.0	n/a	n/a	n/a	n/a
12.0	n/a	n/a	n/a	n/a

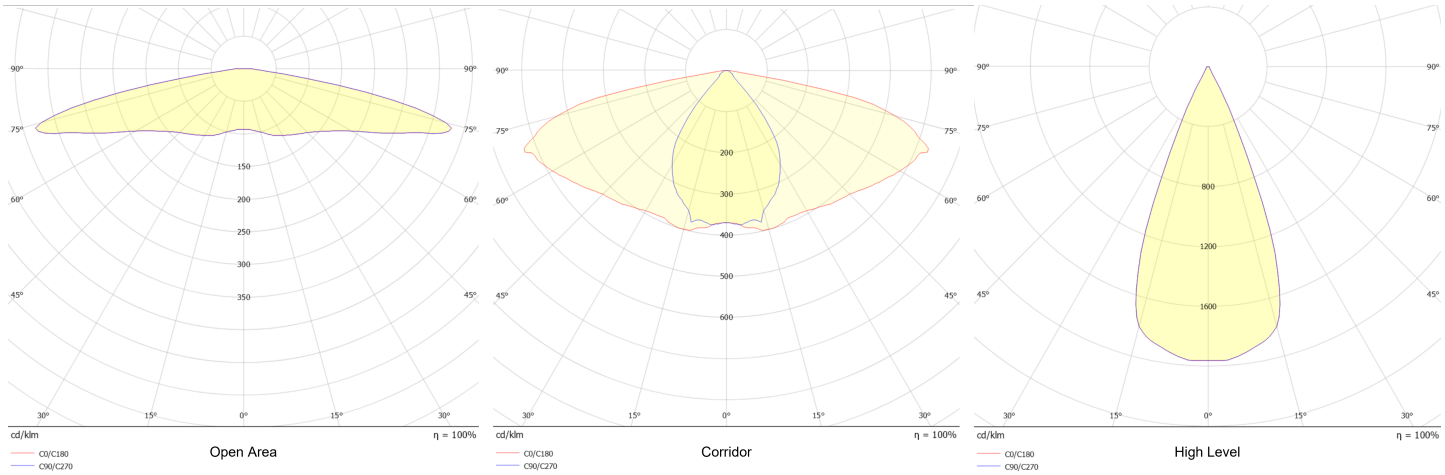
LED-Lite High Output with Corridor Lens

	Escape Route (1 lux)		Open area (0.5 lux)	
Height	Luminaire to Wall (m)	Luminaire to Luminaire (m)	Luminaire to Wall (m)	Luminaire to Luminaire (m)
2.0	5.7	14.2	n/a	n/a
2.5	6.2	15.5	n/a	n/a
3.0	6.3	16.6	n/a	n/a
3.5	6.4	17.5	n/a	n/a
4.0	6.4	17.7	n/a	n/a
6.0	5.7	18.0	n/a	n/a
8.0	3.8	16.6	n/a	n/a
10.0	n/a	n/a	n/a	n/a
12.0	n/a	n/a	n/a	n/a

LED-Lite High Output with High Level Lens

	Escape Route (1 lux)		Open area (0.5 lux)	
Height	Luminaire to Wall (m)	Luminaire to Luminaire (m)	Luminaire to Wall (m)	Luminaire to Luminaire (m)
2.0	n/a	n/a	n/a	n/a
2.5	n/a	n/a	n/a	n/a
3.0	n/a	n/a	n/a	n/a
3.5	n/a	n/a	n/a	n/a
4.0	n/a	n/a	n/a	n/a
6.0	3.2	6.9	2.8	6.1
8.0	3.9	8.7	3.6	7.7
10.0	4.5	10.2	4.2	9.2
12.0	5.1	11.5	4.7	10.6

Light Output Curves



Surface Mount Downlighter Downlighter in Black





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Refined-LED - obsolete

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



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

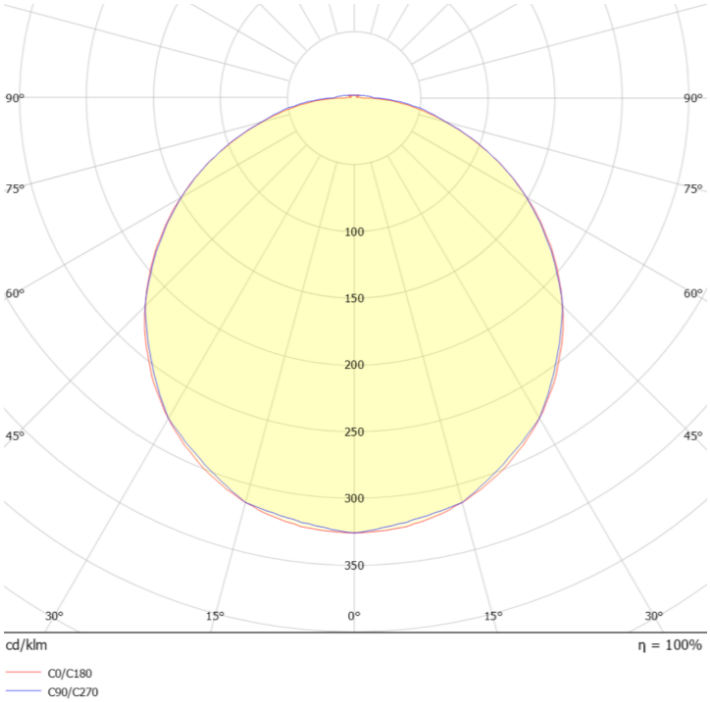
Order Codes

RFLED/230	Refined-LED Circular Luminaire, Surface Mount, Mains Only, Non-Addressable
RFLED/230/MW	Refined-LED Circular Luminaire, Surface Mount, Mains Only, Non-Addressable (with Microwave Detector)
RFLED/M3/P	Refined-LED Circular Luminaire, Surface Mount, Maintained, Addressable
RFLED/M3/P/MW	Refined-LED Circular Luminaire, Surface Mount, Maintained, Addressable (with Microwave Detector)

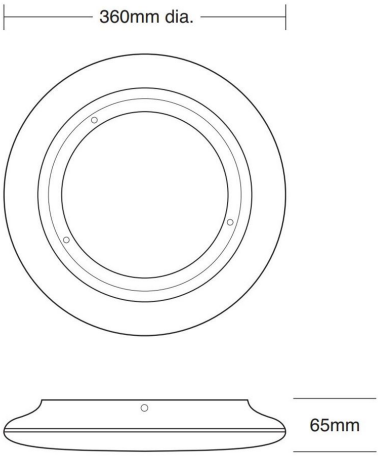
Spacing Data

	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

Light Output Curve



Dimensions







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Cine-LED - obsolete

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.



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

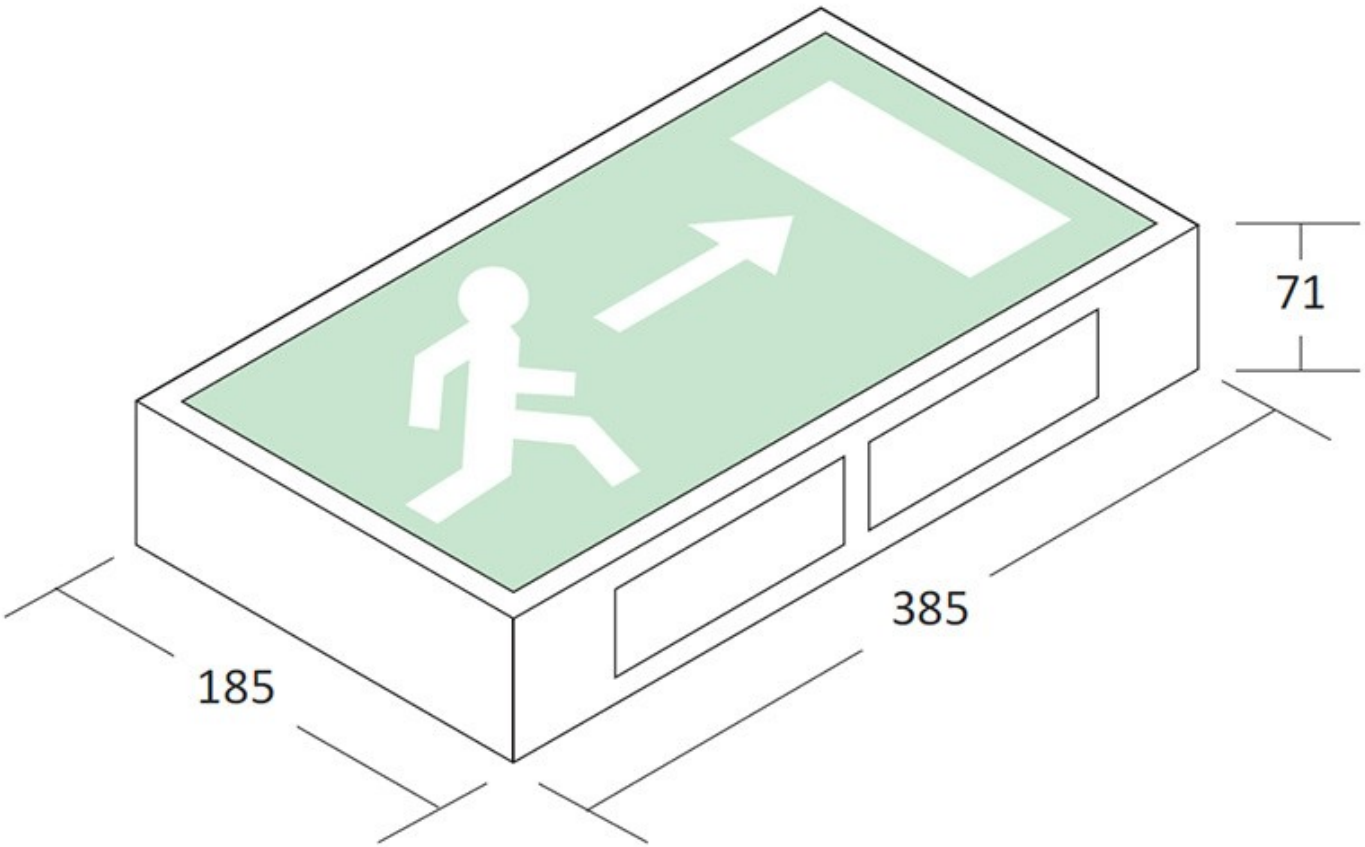
Light source	16 x white LEDs (4500K)
Sign viewing distance (when lit)	36M
Construction	Epoxy coated steel body with screen printed polycarbonate legend panel
Geartray	Integral to base
Dimensions	385mm (L) x 185mm (W) x 71mm (H)
Cable entry	20mm knock-outs
IP rating	IP20
Ambient temperature (Ta)	0 to 25C
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)

Order Codes

CNLED/230/AD	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Mains Only, Singe Sided - EC Arrow Down
CNLED/230/AU	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Mains Only, Singe Sided - EC Arrow Up
CNLED/230/AR	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Mains Only, Singe Sided - EC Arrow Right
CNLED/230/AL	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Mains Only, Singe Sided - EC Arrow Left
CNLED/NM3/AD	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Non-Maintained, Singe Sided - EC Arrow Down
CNLED/NM3/AU	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Non-Maintained, Singe Sided - EC Arrow Up
CNLED/NM3/AR	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Non-Maintained, Singe Sided - EC Arrow Right
CNLED/NM3/AL	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Non-Maintained, Singe Sided - EC Arrow Left
CNLED/M3/AD	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Maintained, Singe Sided - EC Arrow Down
CNLED/M3/AU	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Maintained, Singe Sided - EC Arrow Up
CNLED/M3/AR	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Maintained, Singe Sided - EC Arrow Right
CNLED/M3/AL	Cine-LED Escape Sign, Wall Mount, Non-Addressable, Maintained, Singe Sided - EC Arrow Left
CNLED/NM3/P/AD	Cine-LED Escape Sign, Wall Mount, Addressable, Non-Maintained, Singe Sided - EC Arrow Down
CNLED/NM3/P/AU	Cine-LED Escape Sign, Wall Mount, Addressable, Non-Maintained, Singe Sided - EC Arrow Up
CNLED/NM3/P/AR	Cine-LED Escape Sign, Wall Mount, Addressable, Non-Maintained, Singe Sided - EC Arrow Right
CNLED/NM3/P/AL	Cine-LED Escape Sign, Wall Mount, Addressable, Non-Maintained, Singe Sided - EC Arrow Left
CNLED/M3/P/AD	Cine-LED Escape Sign, Wall Mount, Addressable, Maintained, Singe Sided - EC Arrow Down
CNLED/M3/P/AU	Cine-LED Escape Sign, Wall Mount, Addressable, Maintained, Singe Sided - EC Arrow Up
CNLED/M3/P/AR	Cine-LED Escape Sign, Wall Mount, Addressable, Maintained, Singe Sided - EC Arrow Right
CNLED/M3/P/AL	Cine-LED Escape Sign, Wall Mount, Addressable, Maintained, Singe Sided - EC Arrow Left

Add suffix "/ISO" for ISO 7010 running man instead of Europeans Signs Directive (EC) style running man

Dimensions



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Twin-LED IP65 Weatherproof - obsolete

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 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 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.



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

Order Codes and Options

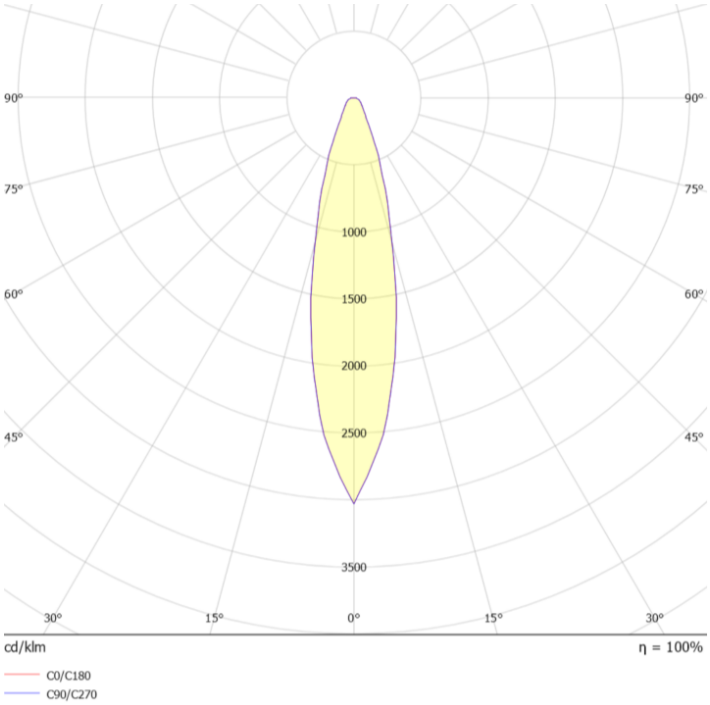
TLED/NM3/P/WP	Twin-LED Weatherproof Spotlights, Wall Mount, Non-Maintained, Addressable, IP65
TLED/NM3/P	Twin-LED Spotlights, Wall Mount, Non-Maintained, Addressable

Specification

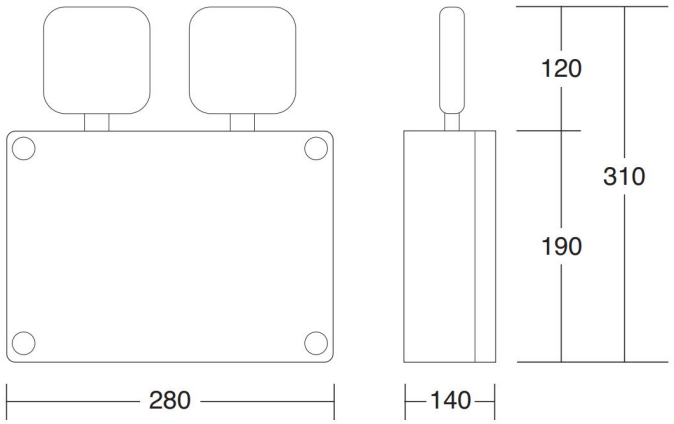
Supply voltage	230V (220-240V) @ 50Hz
Supply power	6W

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 (typical)	2.5W
IP rating	IP65
Ambient temperature	25°C
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

Light Output Curve



Twin-LED IP65 Weatherproof Dimensions



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Amenity-LED Square - obsolete

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



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

Options & Order Codes

AMLED/230/SQ	Amenity-LED IP65 Square Luminaire, Surface Mount, Mains Only, Non-Addressable
AMLED/M3/P/SQ	Amenity-LED IP65 Square Luminaire, Surface Mount, Maintained, Addressable
AMLED/230/RN*	Amenity-LED IP65 Circular Luminaire, Surface Mount, Mains Only, Non-Addressable
AMLED/M3/P/RN*	Amenity-LED IP65 Circular Luminaire, Surface Mount, Maintained, Addressable

**refer to Amenity-LED Round datasheet for more information*

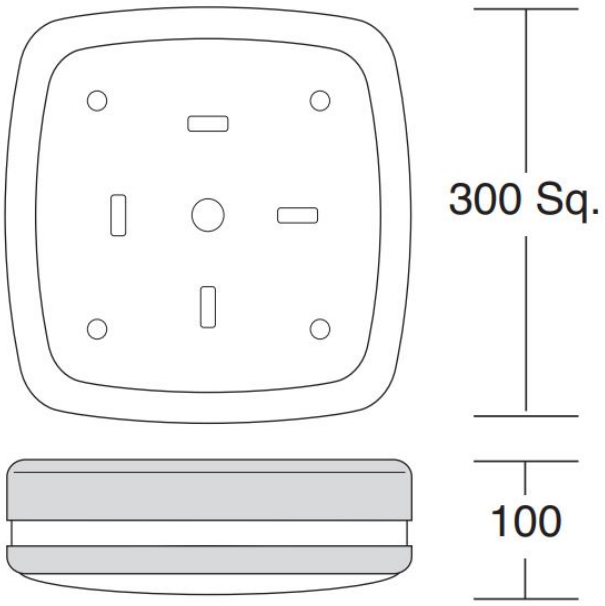
General Details & Specification

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)

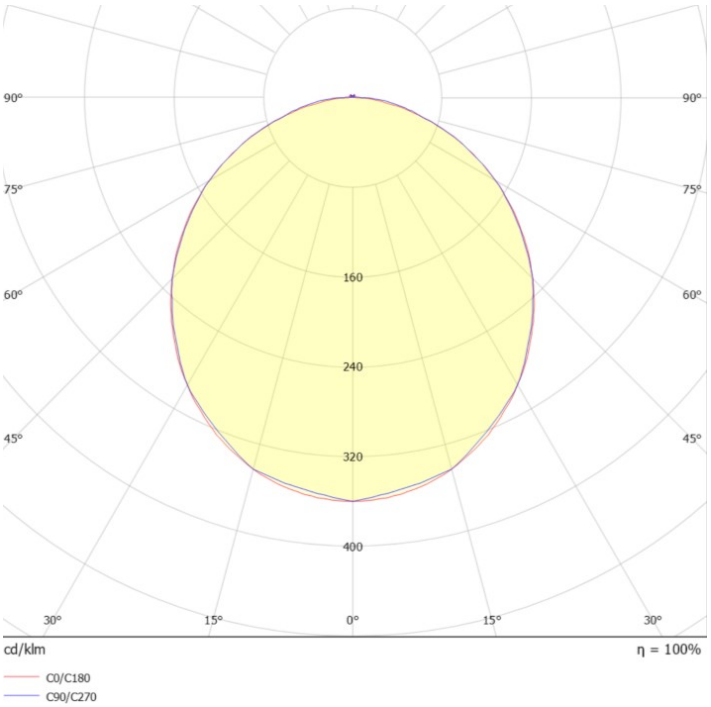
Spacing Data

Mounting height (Hm (m))	Spacing (m) min 0.5Lux open area	Spacing (m) min 1Lux 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 (mm)



Light Output Curve



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Amenity-LED Round - obsolete

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



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
- 1250lm under mains operation
- 235lm under emergency operation

Options & Order Codes

AMLED/230/RN	Amenity-LED IP65 Circular Luminaire, Surface Mount, Mains Only, Non-Addressable
AMLED/M3/P/RN	Amenity-LED IP65 Circular Luminaire, Surface Mount, Maintained, Addressable
AMLED/230/SQ*	Amenity-LED IP65 Square Luminaire, Surface Mount, Mains Only, Non-Addressable
AMLED/M3/P/SQ*	Amenity-LED IP65 Square Luminaire, Surface Mount, Maintained, Addressable

**refer to Amenity-LED Square datasheet for more information*

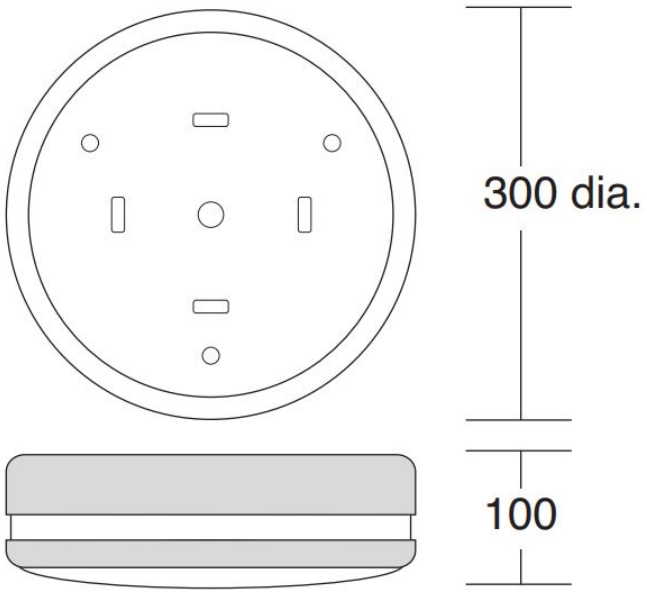
General Details & Specification

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)

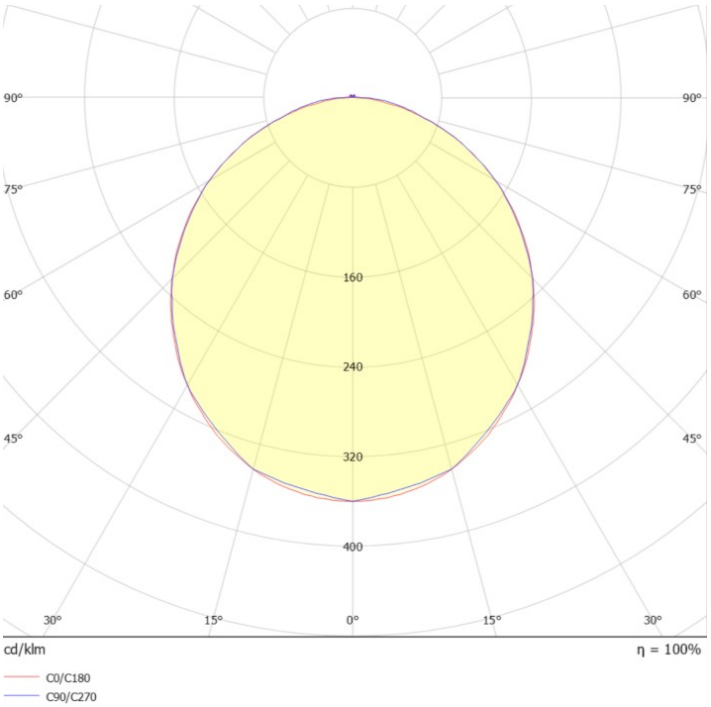
Spacing Data

Mounting height (Hm (m))	Spacing (m) min 0.5Lux open area	Spacing (m) min 1Lux 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 (mm)



Light Output Curve



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Vapour-LED IP65 Non-Corrosive - obsolete

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.



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

Specifications

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

Order Codes

VPLED/M3/P	Vapour-LED IP65 Non-Corrosive Luminaire, Vapour Proof, Surface Mount, Maintained, Addressable
VPLED/230	Vapour-LED IP65 Non-Corrosive Luminaire, Vapour Proof, Surface Mount, Mains Only, Non-Addressable

More Information

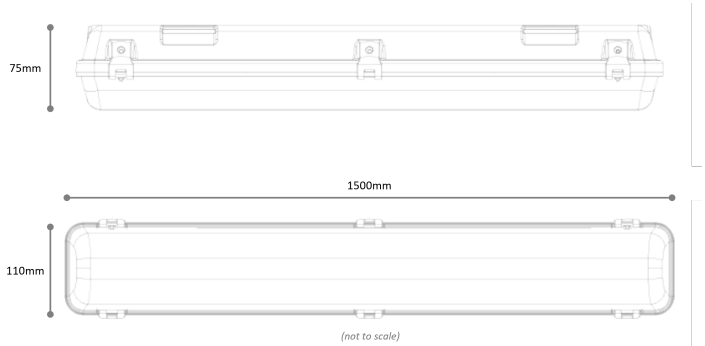
1 lux minimum at centre line (escape route)

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

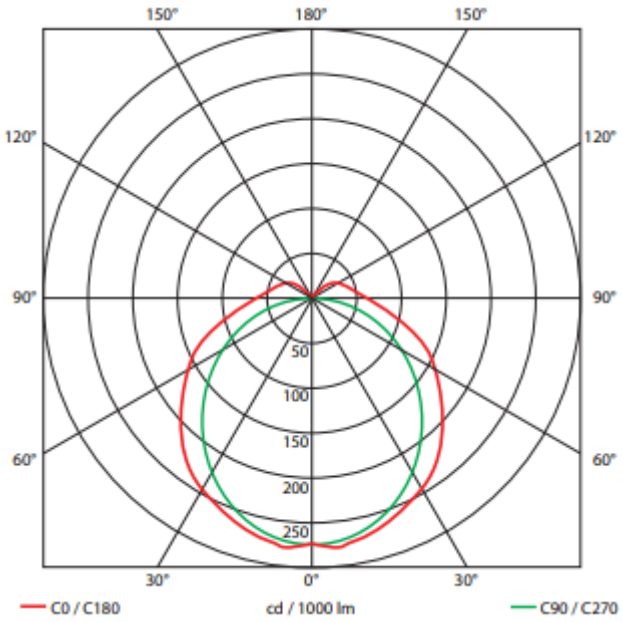
0.5 lux minimum (open area)

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



Light Output Curve



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EasySafe Downlighter - obsolete

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 3-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 3-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.



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

Order Codes and Options

ESL/O:	Surface mount addressable LED downlighter with 3 hour non-maintained 3W LED in white, including base and batteries
ESL/C:	Surface mount addressable LED downlighter with 3 hour non-maintained 3W LED in white, including base and batteries complete with 'corridor' lens
ESL/B:	Standard downlighter replacement base
ESL/BP:	Replacement downlighter replacement battery pack

Spacing Data

	Open-Area (0.5Lux)		Corridor (1.0Lux, 2m wide corridor)	
Mounting Height (m)	Spacing to wall (m)	Spacing between (m)	Spacing axial to wall (m)	Spacing between (m)
2.00	2.30	7.40	4.50	13.00
2.50	2.40	8.10	2.35	12.70

Corridor Lens Version

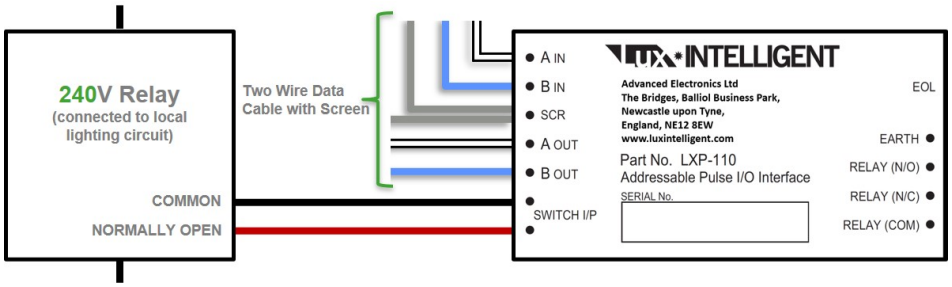


Base



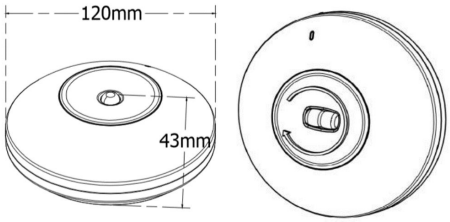
Local Lighting Circuit Monitoring (uses LXP-110)

The LuxIntelligent Input/Output Module (LXP-110) is a loop powered device that can be programmed to trigger specific groups of luminaires on the same loop. To trigger EasySafe luminaires when there is a loss of power to regular lighting, it is possible to connect to 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 below:



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.



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EasySafe Escape Sign Luminaire - obsolete

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 exit 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 Lux Intelligent 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 exit 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.



Features

- Fully compatible with LuxIntelligent test system
- Powered from the LuxIntelligent data loop at 32V 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

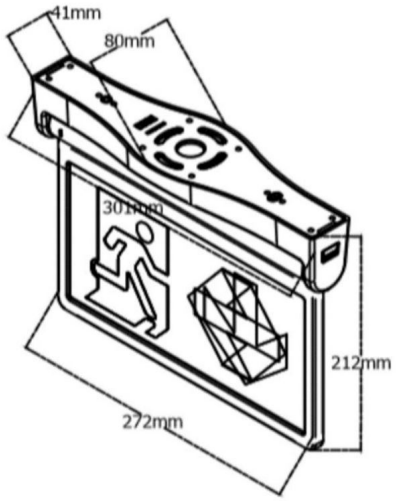
Specification

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, 1.3/2.0mm^2
Body	PC/ABS 2950
Colour	White body (RAL9003), grey base & bracket (Pantone 429)
Dimensions	301 (L) * 212 (H) * 80 (D) (mm)
Weight	0.738Kg (including battery pack)
Batteries	4 AAA NiMH 4.8V 600mAH pack
Viewing distance	25m

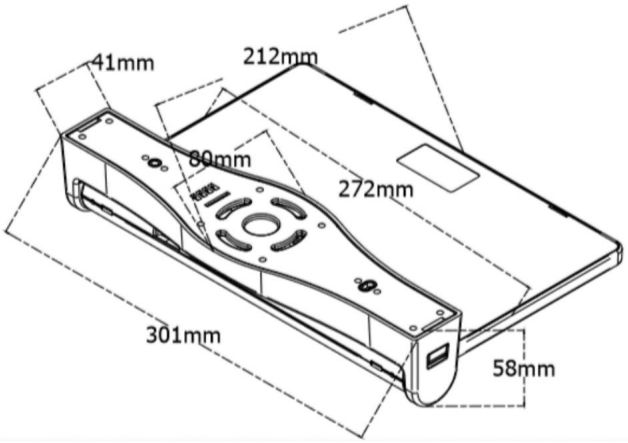
Order Codes and Options

ESXL/ECAU:	Standard 3 hour maintained escape sign complete with arrow up EC format legend, base and battery pack
ESXL/ECAD:	Standard 3 hour maintained escape sign complete with arrow down EC format legend, base and battery pack
ESXL/ECAL:	Standard 3 hour maintained escape sign complete with arrow left EC format legend, base and battery pack
ESXL/ECAR:	Standard 3 hour maintained escape sign complete with arrow right EC format legend, base and battery pack
ESXL/ISOAU:	Standard 3 hour maintained escape sign complete with arrow up ISO format legend, base and battery pack
ESXL/ISOAD:	Standard 3 hour maintained escape sign complete with arrow down ISO format legend, base and battery pack
ESXL/ISOAL:	Standard 3 hour maintained escape sign complete with arrow left ISO format legend, base and battery pack
ESXL/ISOAR:	Standard 3 hour maintained escape sign complete with arrow right ISO format legend, base and battery pack

Ceiling Mount Dimensions

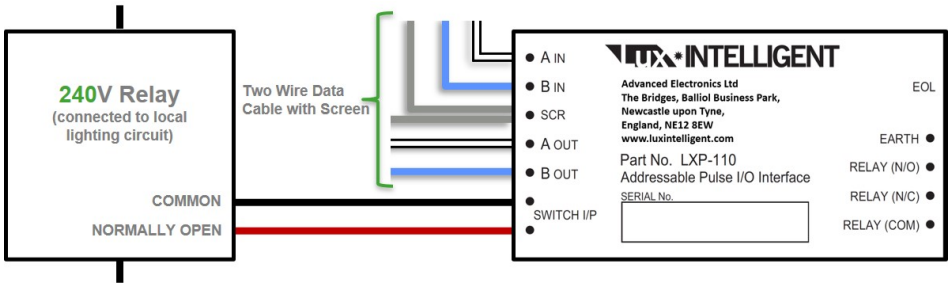


Wall Mount Dimensions



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 luminaires on the same loop. To trigger EasySafe luminaires when there is a loss of power to regular lighting, it is possible to connect to 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 below:



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:



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Legacy Add-Lite

The Add-Lite is a stylish low profile 8W fluorescent luminaire with a white base and comes as standard with an opal diffuser. The Add-Lite comes complete as a high light output product, providing 180 Lumens in emergency operation. A clear prismatic diffuser option is also available and is ideal for self-adhesive safety sign legends.

The Add-Lite is available with mains only, non-maintained or switchable maintained modes of operation. 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.

All emergency versions provide three-hour duration as standard from integral high-temperature nickel cadmium batteries and comes complete with an 8W T5 lamp and gear mounted on a removable gear tray. The Add-Lite has the added benefit of clip on diffusers for ease of access and fully complies with the requirements of EN60598.2.22.

The Add-Lite is available in a variety of configurations including addressable slave versions for central battery operation, covering a range of operating voltages including 24, 48 and 110Vdc. The luminaire is supplied as standard, complete with communication capability for use with the LuxIntelligent range of emergency lighting test panels.



Features

- Stylish low profile luminaire
- Fully LuxIntelligent compatible
- Quick access for changing lamps
- Fully compliant with EN60598.2.22

Specification

Supply voltage	230Volt (220-240V) @ 50Hz
Light source	8 Watt T5 fluorescent
Supply current	Maintained:90mA
	Non-maintained: 40mA
Battery	3.6V 4Ah NiCd
Recharge period	24 hours (14 hours for 1-hour duration)
Cable entry	20mm drilling points in sides and back
IP rating	IP20 Ta 25°C
Dimensions (mm)	390 (L) x 186 (W) x 70 (H)

Order Codes and Options

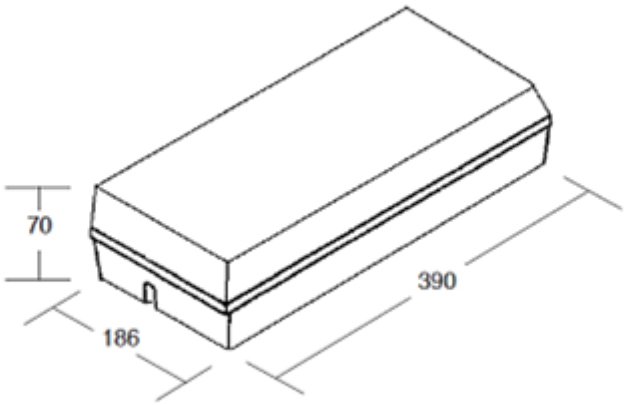
AL8/M3/P-H:	Add-Lite 8W 3 hour maintained 3 cell addressable bulkhead
AL8/NM3/P-H:	Add-Lite 8W 3 hour non-maintained 3 cell addressable bulkhead
AL8/NM3/P-H/RL:	Add-LiTt8W 3 hour non-maintained addressable bulkhead c/w relay
AL8/24/P:	Add-Lite 8W addressable slave bulkhead

More Information

Spacing Data

	Mounting height Hm (m)	Trans. to wall	Trans. to trans.	Axial to trans.	Axial to axial	Axial to wall	
Best case (HighLight fresnel)	2.5	3.0	9.2	8.1	5.4	2.0	1 Lux min. at centre
	4.0	2.4	8.7	4.6	4.3	1.4	
	2.5	5.1	12.5	10.6	6.5	2.6	0.5 Lux min. (open)
	4.0	4.4	12.6	10.8	6.9	2.2	

Dimensions



Example of adhesive legend



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Legacy Blade-Lite

The Blade-Lite is available as both a suspended Exit luminaire or with recessed body, ideal where ceiling heights are lower, constraining the permitted depths of hanging signs. The luminaires are manufactured in galvanised steel and are supplied as standard, in white, but brass and chrome finishes are available. The luminaires are supplied normally with a ceiling bracket and suspension chains that can be altered to suit the installation. The luminaires come complete with exit legends that comply with a viewing distance of 36 Metres. These legends are available in both EC and ISO formats.

Operation

The Blade-Lite is available in maintained and non-maintained versions, providing a full three hours of operation in the event of a local lighting circuit failure. The Blade-Lite is also suitable for central battery and static inverter installations.

Installation

Cable entry to the ceiling baton is via 20mm holes in the top. The length of the suspension chain can be adjusted to suit the installation. The dimensions for the recessed version are illustrated on page two. The Blade-Lite fully complies with the requirements of EN60598.2.22 and supports all the features of the Lux Intelligent emergency lighting testing panels.



Features

- Available as hanging blade type, or recessed
- Suitable for 36-metre viewing distances
- Fully complies with EN60598.2.22
- Available in a choice of finishes
- Supports all Lux Intelligent testing panel features

Specification

Supply Voltage	230 Volt (220-240V) @ 50Hz
Light Source	8W T5
Current	Maintained: 90mA
	Non-maintained: 40mA
Battery	3.6V 4AHr NiCd
Recharge Period	24 Hours (14 hours for 1 hour duration)
Cable Entry	20mm holes in top
IP Rating	IP20 @ 25°C
Dimensions (mm)	Legend assembly: 358 (L) x 61 (W) x 300 (H)
	Batton:358 (L) x 61 (W) x 42 (H)

Order Codes and Options

BLD8/M3/P-H:	Blade-Lite 8W 3 hour maintained double sided addressable exit luminaire (arrows left/right)
BLD8/NM3/P-H:	Blade-Lite 8W 3 hour non-maintained double sided addressable exit luminaire (arrows left/right)
BLS8/M3/P-H/R:	Recessed Blade-Lite 8W 3 hour maintained single sided addressable exit luminaire
BLS8/NM3/P-H/R:	Recessed Blade-Lite 8W 3 hour non-maintained single sided addressable exit luminaire

More Information

Blade-Lite Exit Legends

The Blade-Lite comes with a default Left/Right directional legend in the EC format. If alternative directions are required, please use the following suffixes to the part code.

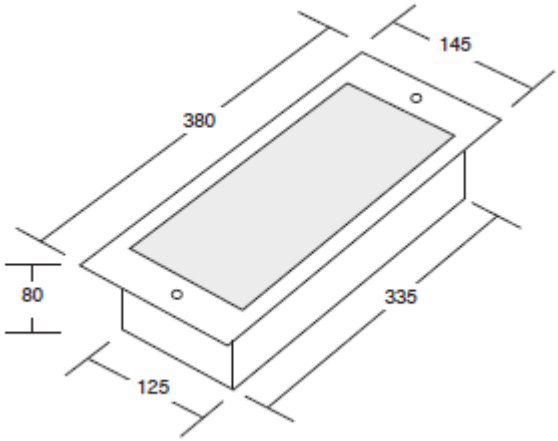
/AU Arrow Up **/AD** Arrow Down

For example, BLS8/M3/P-H/AD

The legends are also available in ISO formatting, please state this if that format is required (see below example).



Recessed Cut-out Dimensions



Blade-Lite Finishes

The Blade-Lite is supplied as standard witha white epoxy coated steel fitting. The lumianire is also available in both chrome and brass finishes. See the order codes listed below.

/CH Chrome Finish **/BR** Brass finish



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Legacy Exi-Lite

The Exi-Lite is a robust exit direction luminaire. The design of the luminaire provides viewing distances of 36 metres, whilst the high 180 Lumens output ensures good visibility. The standard luminaire is supplied in a white epoxy coated steel enclosure, coming complete with a printed opal polycarbonate legend. The luminaire also provides good visibility, with the addition an opal panel across the bottom of the luminaire ensuring maximum light levels in the event of an emergency.

More decorative finishes are available in both chrome and brass, whilst the exit legends are available in both EC and ISO formats.

Operation

The Exi-Lite is available in maintained and non-maintained versions, providing a full three hours of operation in the event of the local lighting circuit failing. The luminaire can be supplied in other supply voltage variations and is also suitable for use with hold off relays.

Installation

The Exi-Lite comes with a back BESA entry on the single sided and on the top on the double sided variants. The luminaire fully complies with the requirements of EN60598.2.22 and supports all the features of the LuxIntelligent emergency lighting testing panels.



Features

- Excellent 36-metre viewing distances
- Robust design with a choice of superior finishes
- Fully complies with EN60598.2.22
- Supports all the features of the LuxIntelligent range of testing panels

Specification

Supply voltage	230 Volts (220-240V) @ 50Hz
Supply current	Maintained:90mA
	Non-maintained:40mA
Lamp	8W T5
Battery	3.6V 4AHr NiCd (nominal charge current 250mA)
Recharge period	24 Hours (14 hours for 1-hour duration
Cable entry	Back BESA entry
IP rating	IP20
Construction	Epoxy coated galvanised steel with polycarbonate legend
Weight	2.5kg
Dimensions (mm)	385 x 185 x 71 (L x W x H)

Order Codes and Options

ELS8/M3/P-H:	Exi-Lite 3 hour maintained addressable emergency luminaire
ELS8/NM3/P-H:	Exi-Lite 3 hour non-maintained addressable emergency luminaire
ELD8/M3/P-H:	Double-sided Exi-Lite 3 hour maintained addressable emergency luminaire
ELD8/NM3/P-H:	Double-sided Exi-Lite 3 hour non-maintained addressable emergency luminaire

More Information

Exi-Lite Exit Legends

The Exi-Lite comes with a default downwards directional arrow in the EC format. If alternative directions are required, please use the following suffixes to the part code.

/AU Arrow Up **/AL** Arrow left **/AR** Arrow right

For example, ELS8/M3/P-H/AR

The legends are also available in ISO formatting, please state this if that format is required (see below example).

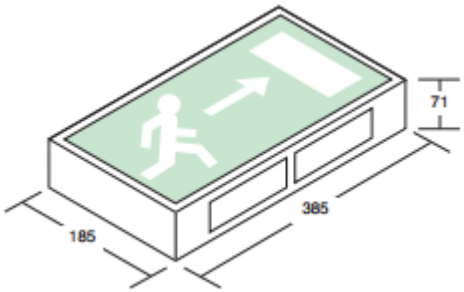


Exi-Lite Finishes

The Exi-Lite is supplied as standard with a white epoxy coated steel fitting. The lumianire is also available in both chrome and brass finishes. See the order codes listed below.

/CH Chrome Finish **/BR** Brass finish

Dimensions



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Legacy Circu-Lite

The Circu-Lite offers both mains and emergency lighting in a simple but stylish luminaire with a white polycarbonate base and opal polycarbonate diffuser, sealed to IP65.

Installation

The Circu-Lite is supplied with a unique lever release for the diffuser which provides access to the control gear and lamp, which are mounted on a removable gear tray. The luminaires are available with mains only or switchable maintained operation. Non-maintained can be achieved by excluding the normal switched mains supply.

Operation

All emergency versions provide 3-hour duration as standard, from 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. Dali dimming controls can be added as an option.

The Circu-Lite fully complies to the requirements of EN60598.2.22. It also fully supports all the features of the LuxIntelligent range of emergency lighting test panels.



Features

- Decorative circular luminaire
- Standard and dimmable versions available
- Fully compatible with LuxIntelligent
- Fully complies with all aspects of EN60598.2.22

Specification

Supply voltage	230 Volts (220-240V) @ 50Hz
Light source	28W 2D
Supply current	Maintained:160mA
	Non-maintained:40mA
Battery	4.8V 4AHr
Recharge period	24 hours (14 hours 1-hour duration
Cable entry	20mm side entry, 13mm hole in rear
IP rating	IP65 Ta 25°C
Dimensions (mm)	330 (Diameter) x 126 (Height)

Order Codes and Options

UL28/M3/P:	Circu-Lite 28W 3 hour maintained addressable luminaire
UL28/AC:	Circu-Lite 28W mains-only luminaire
UL28/M3/P/Dali:	Circu-Lite 28W 3 hour maintained addressable luminaire with dali operation
UL28/AC/Dali:	Circu-Lite 28W mains-only luminaire with dali operation

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Legacy Flush-Lite

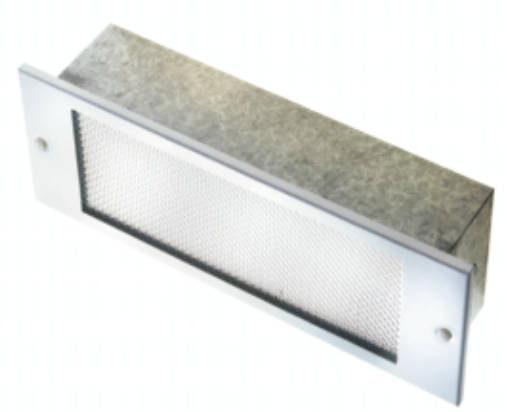
A Flush-Lite luminaire is a discrete option of introducing emergency lighting to a location. The luminaires sit almost completely flush to the surface of the wall or ceiling, available with white surface trim plates, or for a more stylish option, Chrome or Brass surface plates can be supplied with the luminaire.

The standard Flush-Lite comes with a galvanised steel back box, epoxy coated white surface trim and a prismatic polycarbonate diffuser. This can be replaced with an opal polycarbonate panel if required. This is a good option if it is planned to add an adhesive exit legend to the Flush-Lite.

Operation

The Flush-Lite is available as maintained and non-maintained units, which in the event of a local lighting circuit power outage, the Flush-Lite will output 180 Lumens for three hours from 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.

The luminaires fully comply with the requirements of EN60598.2.22 and fully supports all of the features of the LuxIntelligent range of testing panels.



Features

- Discrete emergency luminaire
- High 180 lumens output in emergency
- Fully complies with EN60598.2.22
- Fully supports all the features of the LuxIntelligent panels

Specification

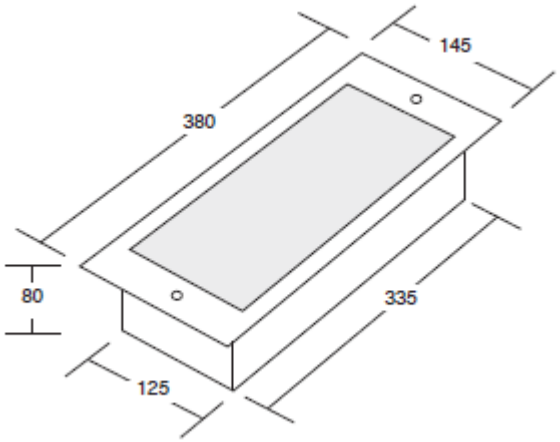
Supply voltage	230 Volts (220-240V) @ 50Hz
Supply current	Maintained: 90mA
	Non-maintained:40mA
Lamp	8W T5
Battery	3.6V 4 AHr NiCd (nominal charge current 250mA)
Recharge period	24 Hours (14 hours for 1 hour duration)
Cable entry	20mm holes at each end
Geartray	White painted steel on keyhole slots
IP rating	IP25 at Ta °C
Dimensions (mm)	Cut-out 340 (L) x 128 (W)
	Fascia plate 380 (L) x 145 (W)

Order Codes and Options

FL8/M3/P-H:	Flush-Lite 8W 3 hour maintained 3 cell addressable luminaire
FL8/NM3/P-H:	Flush-Lite 8W 3 hour non-maintained 3 cell addressable luminaire
FL8/M3/P-H/OP:	Flush-Lite 8W 3 hour maintained 3 cell addressable luminaire with opal diffuser
Leg-001:	Adhesive exit legend

More Options

Flush-Lite Dimensions



Flush-Lite Finishes

The Flush-Lite is available with alternative polished trim plates. These are available in polished chrome or brass. Use the suffixes listed below to select an alternative finish.

/CH Polished Chrome **/BR** Polished Brass

For example, FL8/NM3/P-H/CH

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Legacy Indi-Lite

The Indi-Lite range of luminaires offers a cost effective method of providing efficient mains lighting from high lumen output T5 lamps enclosed in attractive but robust IP65 rated polycarbonate enclosures, resistant to moisture and dust. The polycarbonate lenses provide wide distribution with a degree of upward light.

The luminaires are supplied complete with stainless steel clips, removable gear tray, suspension brackets and two 20mm glands.

There is a choice between twin and single lamp variants. The luminaires are available as standard mains only or integral addressable emergency fittings. The luminaires can also be supplied with T8 lamps as an option.

All emergency versions provide 3-hour duration as standard, from integral high-temperature nickel cadmium batteries. The emergency versions can be used as part of the general lighting via a switched mains supply but they will automatically provide emergency lighting in the event of a complete loss of normal mains supply.

Installation

The luminaire is suitable for both surface and suspension mounting. The luminaires have two 20mm glands and suspension brackets

The luminaire fully complies with the requirements of EN60598.2.22 and supports all of the features of the LuxIntelligent emergency lighting test panels.



Features

- Polycarbonate base and defuser
- Electronic HF gear
- IP65 rated
- Stainless steel clips
- Slim attractive design

Specification

Supply voltage	230Volt (220-240V) @ 50Hz
Light source	Single and twin 28W/35W/49W T5 and 18W/36W/58W (T8)
Battery	Nickel cadmium 4AHr
Recharge period	24 hours (14 hours for 1 hour duration)
Cable entry	Two 20mm gland entries
IP rating	IP65 at 25°C
Construction	Polycarbonate base and diffuser
Geartray	Removable white steel geartray

Order Codes and Options

IND128/AC:	Indi-Lite single 28W T5 mains-only luminaire
IND228/AC:	Indi-Lite double 28W T5 mains-only luminaire
IND128/M3/P:	Indi-Lite single 28W T5 3 hour maintained addressable luminaire
IND228/M3/P:	Indi-Lite double 28W T5 3 hour maintained addressable luminaire
IND258/AC:	Indi-Lite double 58W T8 mains-only luminaire
IND258/M3/P:	Indi-Lite double 58W T8 3 hour maintained addressable luminaire

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Legacy Lumi-Lite

The Lumi-Lite luminaire provides a high-quality IP65 rated bulkhead, complete with an opal polycarbonate diffuser. The Lumi-Lite is a high output product, providing 180 Lumens in emergency as standard, creating opportunities to minimise the number of luminaires required in an installation. Lumi-Lite luminaires can be surface mounted or semi-recessed and can be used, in conjunction with adhesive legends, to direct building occupants to their nearest means of exit.

The Lumi-Lite is available in a variety of configurations including addressable slave versions for central battery operation, covering a wide range of operating voltages (24, 48 and 110Vdc). The luminaire is supplied as standard, complete with communication capability for use with the LuxIntelligent range of emergency lighting test systems.

Operation

The Lumi-LiTe is available as a mains only luminaire, or with non-maintained or switchable maintained modes of operation. 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. All emergency versions provide three-hour duration as standard from integral high-temperature nickel cadmium batteries and come complete with an 8W T5 lamp and gear mounted on a removable gear tray. The Lumi-Lite fully complies with the requirements of EN60598.2.22.

Installation

The luminaire comes complete with cable entries at both ends and in the back.



Features

- Robust IP65 rated luminaire
- High 180-lumen output as standard
- Suitable for adding directional legends
- Fully compliant with EN60598.2.22
- Fully supports LuxIntelligent testing system
- Available in a wide selection of configurations

Specification

Supply voltage	230Volt (220-240V) @ 50Hz
Supply current	Maintained: 90mA
	Non-maintained:40mA
Light source	8W T5
Battery	3.6V 4AHr NiCd
Recharge period	24 hours (14 hours 1-hour duration)
Cable entry	20mm drilling points in ends and back
IP rating	IP65 @ Ta 25°C
Geartray	Hinged white painted steel
Dimensions (mm)	370 x 140 x 100 (L x W x H)

Order Codes and Options

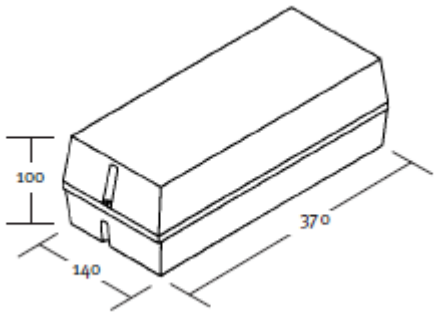
LL8/M3/P-H:	Lumi-Lite 8W maintained 3 hour addressable luminaire
LL8/NM3/P-H:	Lumi-Lite 8W non-maintained 3 hour addressable luminaire
LL8/B:	Lumi-Lite semi-recessible bezel
LL8/WG:	Lumi-Lite attachable wire guard
LEG-001:	Adhesive legend for use on Lumi-Lites
LL8/NM3/P-H/SOC:	Lumi-Lite 8W non-maintained 3 hour addressable luminaire with data and power sockets
LL8/NM3/P-H/RL:	Lumi-Lite 8W non-maintained 3 hour addressable luminaire with relay

More Information

Spacing Data

Mounting height Hm (m)	Trans. to wall	Trans. to trans.	Axial to trans.	Axial to axial	Axial to wall	
2.5	3.0	9.2	8.1	5.4	2.0	1 Lux min.
4.0	2.4	8.7	4.6	4.3	1.4	at centre
2.5	5.1	12.5	10.6	6.5	2.6	0.5 Lux min.
4.0	4.4	12.6	10.8	6.9	2.2	(open)

Dimensions



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Legacy Mor-Lite

The Mor-Lite luminaire provides a high-quality IP65 rated polycarbonate bulkhead, complete with a fresnel lens. The Mor-Lite is a high output product, providing 180 lumens in emergency as standard, creating opportunities to minimise the number of luminaires required in an installation. Mor-Lite luminaires can be surface-mounted or semi-recessed and can be used, in conjunction with adhesive legends, to direct building occupants to their nearest means of exit.

The Mor-Lite is available in a variety of configurations including addressable slave versions for central battery operation, covering a wide range of operating voltages (24, 48 and 110Vdc). The luminaire is supplied as standard, complete with communication capability for use with the LuxIntelligent range of emergency lighting test systems.

Operation

The Mor-Lite is available as a mains-only luminaire, or with non-maintained or switchable maintained modes of operation. 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. All emergency versions provide three-hour duration as standard from integral high-temperature nickel cadmium batteries and come complete with an 8W T5 lamp and gear mounted on a removable gear tray. The Mor-Lite fully complies with the requirements of EN60598.2.22.

Installation

The luminaire comes complete with cable entries at both ends and in the back.



Features

- High 180-lumen output as standard
- Fully LuxIntelligent compatible
- Full-size IP65 style luminaire
- Suitable to add directional legends
- Fully compliant with EN60598.2.22
- Robust IP65 luminaire

Specification

Supply voltage	230Volt (220-240V) @ 50Hz
Light source	8W T5
Supply current	Maintained: 90mA
	Non-maintained: 40mA
Battery	3.6V 4AHr NiCd
Recharge period	24 hours (14 hours 1 hour duration)
Cable entry	20mm drilling points in ends and back
IP rating	IP65 Ta25°C
Geartray	Hinged white painted steel
Dimensions (mm)	370 (L) x 140 (W) x 100 (H)

Order Codes and Options

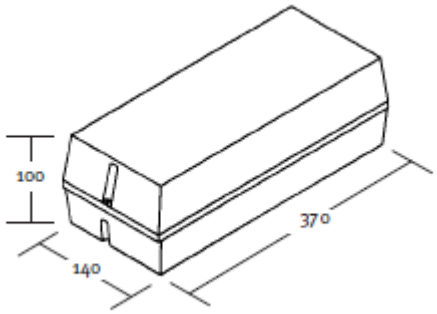
RL8/M3/P-H:	Mor-Lite 8W 3 hour maintained 3 cell luminaire
RL8/NM3/P-H:	Mor-Lite 8W 3 hour non-maintained 3 cell luminaire
RL11/NM3/P-H:	Mor-Lite 11W 3 hour non-maintained 3 cell luminaire
RL8/B:	Mor-Lite semi-recessable bezel
RL8/WG:	Mor-Lite wire guard
RL8/EX:	Mor-Lite blade-type exit attachment
RL8/NM3/P-H/RL:	Mor-Lite 8W 3 hour non-maintained luminaire with relay
RL8/NM3/P-H/SOC:	Mor-Lite 8W 3 hour non-maintained luminaire complete with data and power sockets

More Information

Spacing Data

Mounting height Hm (m)	Trans. to wall	Trans. to trans.	Axial to trans.	Axial to axial	Axial to wall	
2.5	3.0	9.2	8.1	5.4	2.0	1 Lux min.
4.0	2.4	8.7	4.6	4.3	1.4	at centre
2.5	5.1	12.5	10.6	6.5	2.6	0.5 Lux min.
4.0	4.4	12.6	10.8	6.9	2.2	(open)

Dimensions



Deep Diffuser



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Legacy Twin-Lite

The Twin-Lite range offers simple and effective emergency lighting from robust high-intensity projectors. The 20W units provide 3 hours of emergency lighting from integral valve-regulated lead acid batteries. The 20W tungsten halogen lamps are housed within wide distribution polycarbonate lens projectors. The 55W variants provide one hour of emergency lighting and are housed within glass narrow distribution beam projectors. The units are also available with a delay timer relay option allowing the lamps to maintain their output for a limited period of time after mains has returned.

Operation

In the event of a power failure, the units will operate the projectors for their appropriate duration, depending on the lamps used. With the delay timer option, the projectors can remain illuminated whilst general discharge luminaires are allowed to ignite and provide a suitable light output.

Installation

Both types of projector can be remotely mounted away from the control box. The construction of the control box also allows for mounting the unit with the projectors on the underside. The luminaires fully comply to the requirements of EN60598.2.22. The standard luminaires are supplied fully support all the features of the LuxIntelligent test system.



Features

- Ideal for large area anti-panic applications
- Available with 20W or 55W tungsten halogen lamps.
- Available with integral delay timer
- Fully compatible with LuxIntelligent test system

Specification

Supply voltage	230Volt (220V-240V) @50Hz
Supply current	80mA
Lamp	Two 20W TH or two 55W TH
Battery	12V 12AHr VRLA (nominal charge xurrent 250mA)
Recharge period	24 Hours (14 hours for 1-hour duration (20W))
Cable entry	20mm holes in ends
IP rating	IP20 Ta 25°C (standard version)
	IP65 Ta 25°C (WP version)
Construction	White epoxy coated steel enclosure (IP20)
	Light grey GRP enclosure (IP65)
Weight	8.1kg
Dimensions (mm)	350 x 300 x 105 (IP20)
(H x W x D)	300 x 330 x 130 (IP65)

Order Codes and Options

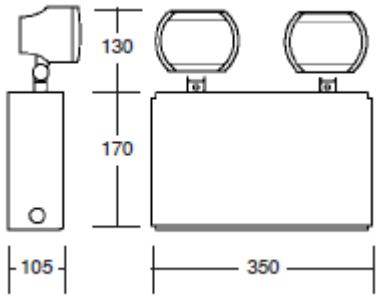
TL20/NM3/P/H:	Twin-Lite TH 20W non-maintained addressable luminaire
TL20/NM3/P/H/WP:	Twin-Lite 20W TH non-maintained IP65 addressable luminaire
TL20/NM3/P/RL:	Twin-Lite 20W TH non-maintained addressable luminaire with timer delay relay
TL55/NM1/P/H:	Twin-Lite 55W TH non-maintained addressable luminaire

More Information

Spacing Data

Mounting height Hm (m)	Max distance between 20W projectors	
4	22m	1 Lux min. at centre of escape
6	24m	
8	21m	
10	—	
4	24m	0.5 Lux min. open area
6	30m	
8	25m	
10	20m	

Dimensions



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Legacy Lite Conversions

Advanced is proud to be an ICEL registered conversion house, meeting the exacting requirements of the ICEL 1004 for the re-engineering of luminaires for emergency use. As an experienced conversion service, any style of conversion can be undertaken, including both fluorescents and LED light sources.

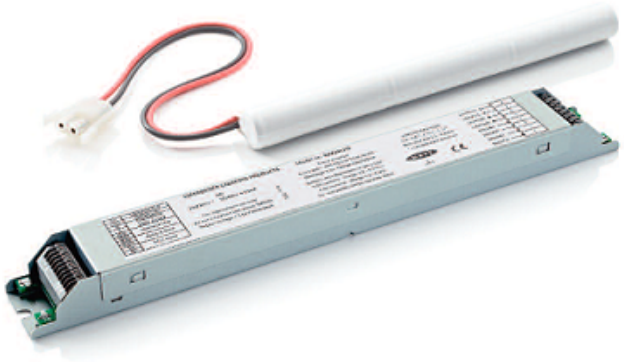
Upon receipt of the luminaire, it will be examined to determine the best-suited type of conversion, either integral or remote. Once the conversion is complete, including the addition of any addressable components, the luminaires are fully tested before being returned to the customer.

All components used are selected to provide the best emergency solution and performance. Standard fluorescent inverters operate with total isolation, where four pole change-over operation of the lamp/gear connections operates with a timed fifth pole to make and break the ballast live supply. Only the highest quality nickel cadmium and nickel-metal hydride batteries are used. Conversions are completed to ensure successful operation with all ballast types, including HF and dimming. Fluorescent conversions ranging from 18W T8 lamps all the way to 80W T5 tubes can be achieved, including various lamp types from 2D to TCT styles.

With access to a large selection of LED emergency controllers, both low and high power, there is a solution to all LED luminaires.

Since Advanced is ISO9001 certified, it means that after conversion of the luminaire to emergency operation, the CE mark can be re-applied to it. With all conversions to emergency operation, the full warranty of the luminaire reverts to Advanced, providing peace of mind to the customer.

The conversions fully incorporate all features of the LuxIntelligent range of emergency lighting test panels.



Features

- Integral conversions implemented, whenever possible
- Advanced are an ICEL 1004 approved conversion house
- Addressable and emergency conversions available
- Warranty is provided for the whole luminaire after conversion
- Fluorescent and LED light source conversions provided

Specification

Battery type	Nickel cadmium or nickel metal hydride
Battery quantity	3 to 6 cells
BLF	Typically 7-20% (dependant on lamp type/size)
Emergency duration	3 hours
Charging LED	Standard green LED supplied
Remote enclosure dimensions (mm)	359 (L) x 159 (W) x 45 (D) (largest size)

Order Codes and Options

CON18P:	Up to 18W integral addressable conversion
CON40PR:	19 to 40W T8 addressable conversion with remote box
CON514P:	14W T5 integral addressable conversion
CON3WLEDP:	3W LED addressable conversion with 3-hour emergency pack
Lxp-302F:	Conversion of an existing emergency luminaire to an addressable emergency luminaire

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Legacy Cine-Lite

Cine-Lite luminaires provide a simple solution to discrete exit signage. It is available as both maintained and non-maintained variations and comes with an opal down light panel to illuminate directly below the luminaire. In emergency, the lamp has a high 180 lumens output.

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

The black opaque exit legend is hidden unless illuminated, making it not just ideal for exit directions, but also customised warnings only applicable under certain conditions, for example 'Do Not Enter'.

The luminaire fully complies with EN60598.2.22. Please note, the legend/pictogram itself is **not** compliant to BS 5499 Pt 4 or ISO 7010. Ultimately the premises where these Exit 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 doing this risk assessment decides that a green on black sign is acceptable because of the reduced light levels in a particular area, then as long as this is documented and regularly reviewed this would mean that the premises is deemed to meet the requirements of the Order.

The luminaire fully supports all of the features of the LuxIntelligent range of emergency lighting test panels.



Features

- Low light emissions when not required
- Complies with EN60598.2.22
- Fully supports LuxIntelligent testing panels

Specification

Supply voltage	230Volt (220-240V) @ 50Hz
Supply current	Maintained:90mA
	Non-maintained:40mA
Lamp	8 Watt T5
Battery	3.6V 4AHr NiCd (250mA nominal charge current)
Recharge period	24 Hours (14 hours for 1 hour duration)
Cable entry	Back BESA entry
IP rating	IP20
Construction	Epoxy coated galvanised steel with polycarbonate legend
Dimensions (mm)	385 x 185 x 71 (L x W x H)

Order Codes and Options

NLS8/M3/P-H:	Cine-Lite 8W 3 hour single-sided maintained addressable luminaire
NLS8/M3/P-H/AU:	Cine-Lite 8W 3 hour maintained luminaire with arrow up legend
NLS8/M3/P-H/AL:	Cine-Lite 8W 3 hour maintained luminaire with arrow left legend
NLS8/M3/P-H/AR:	Cine-Lite 8W 3 hour maintained luminaire with arrow right legend

NLS8/NM3/P-H:	Cine-Lite 8W 3 hour non-maintained luminaire with arrow down legend
NLS8/NM3/P-H/AU:	Cine-Lite 8W 3 hour non-maintained luminaire with arrow up legend
NLS8/NM3/P-H/AL:	Cine-Lite 8W 3 hour non-maintained luminaire with arrow left legend
NLS8/NM3/P-H/AR:	Cine-Lite 8W 3 hour non-maintained luminaire with arrow right legend

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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.

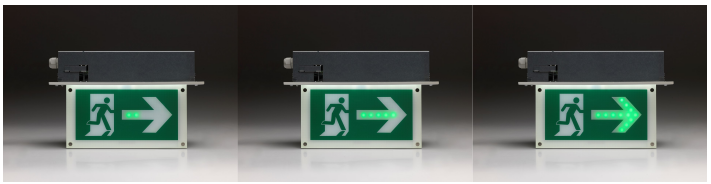
LuxIntelligent's Dynamic Escape Sign, with a pulsing array of green LEDs, presents a clear and universally-understood directional arrow in the event of an incident and is proven to catch the attention of occupants. It enables them to make the right choices when escaping, improves evacuation time and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





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

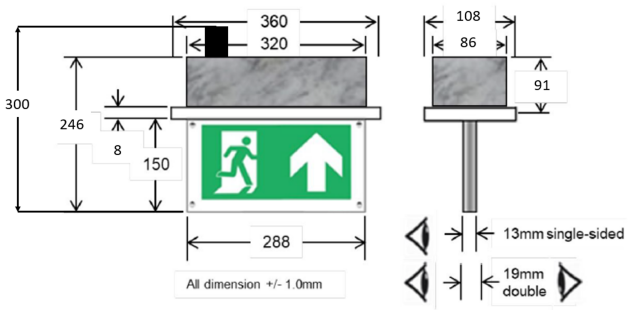
Specification

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

Order Codes

DYNAMIC/M3/P/R/SS/AD/ISO	Dynamic Escape Sign - Active Green Arrow, Recessed, Maintained, Addressable, Single-sided, ISO Arrow Down
DYNAMIC/M3/P/R/SS/AU/ISO	Dynamic Escape Sign - Active Green Arrow, Recessed, Maintained, Addressable, Single-sided, ISO Arrow Up
DYNAMIC/M3/P/R/SS/AR/ISO	Dynamic Escape Sign - Active Green Arrow, Recessed, Maintained, Addressable, Single-sided, ISO Arrow Right
DYNAMIC/M3/P/R/SS/AL/ISO	Dynamic Escape Sign - Active Green Arrow, Recessed, Maintained, Addressable, Single-sided, ISO Arrow Left
DYNAMIC/M3/P/R/DS/AD/ISO	Dynamic Escape Sign - Active Green Arrow, Recessed, Maintained, Addressable, Double-sided, ISO Arrow Down
DYNAMIC/M3/P/R/DS/AU/ISO	Dynamic Escape Sign - Active Green Arrow, Recessed, Maintained, Addressable, Double-sided, ISO Arrow Up
DYNAMIC/M3/P/R/DS/AR-L/ISO	Dynamic Escape Sign - Active Green Arrow, Recessed, Maintained, Addressable, Double-sided, ISO Arrow Right or Left

Recessed dimensions (mm)



Dynamic & 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 & a wall mount IP65 variant.

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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.



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

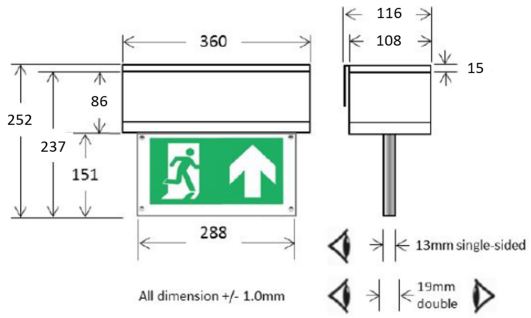
Supply voltage	230V AC @ 50Hz
Supply power 'static/passive' mode	6.0W
Supply power 'dynamic' mode	13.5W
Light source	LED strip & dynamic led arrays (36,000+ hours)
Materials - body	Zintec galvanised steel

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

Order Codes

DYNAMIC/M3/P/SS/AD/ISO	Dynamic Escape Sign - Active Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Down
DYNAMIC/M3/P/SS/AU/ISO	Dynamic Escape Sign - Active Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Up
DYNAMIC/M3/P/SS/AR/ISO	Dynamic Escape Sign - Active Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Right
DYNAMIC/M3/P/SS/AL/ISO	Dynamic Escape Sign - Active Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Left
DYNAMIC/M3/P/DS/AD/ISO	Dynamic Escape Sign - Active Green Arrow, Surface Mount, Maintained, Addressable, Double Sided, ISO Arrow Down
DYNAMIC/M3/P/DS/AU/ISO	Dynamic Escape Sign - Active Green Arrow, Surface Mount, Maintained, Addressable, Double Sided, ISO Arrow Up
DYNAMIC/M3/P/DS/AR-L/ISO	Dynamic Escape Sign - Active Green Arrow, Surface Mount, Maintained, Addressable, Double Sided, ISO Arrow Right or Left

Surface mount dimensions (mm)



Dynamic & 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 & a wall mount IP65 variant.

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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 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.



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

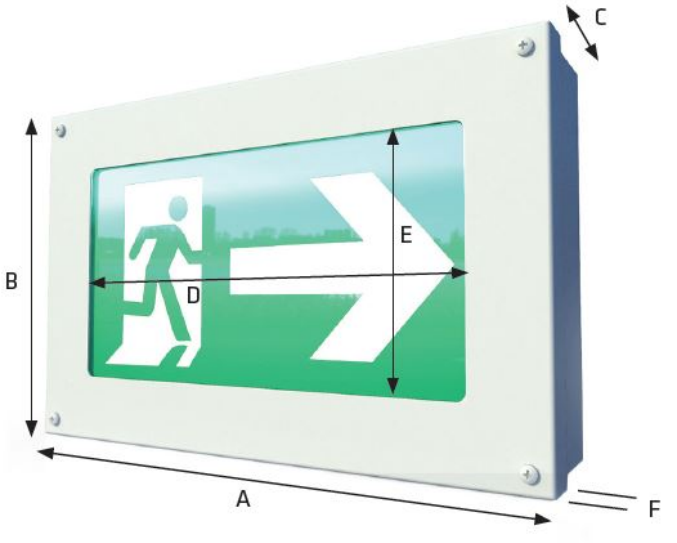
Supply voltage	230V AC @ 50Hz
Supply power 'static/passive' mode	6.0W
Supply power 'dynamic' mode	13.5W
Light source	LED strip & dynamic led arrays (36,000+ hours)

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

Order Codes

DYNAMIC/M3/P/SS/AD/ISO/WP	Dynamic Escape Sign - Active Green Arrow, IP65 Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Down
DYNAMIC/M3/P/SS/AU/ISO/WP	Dynamic Escape Sign - Active Green Arrow, IP65 Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Up
DYNAMIC/M3/P/SS/AR/ISO/WP	Dynamic Escape Sign - Active Green Arrow, IP65 Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Right
DYNAMIC/M3/P/SS/AL/ISO/WP	Dynamic Escape Sign - Active Green Arrow, IP65 Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Left

IP65 weatherproof dimensions (mm)



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

Dynamic & 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 & a wall mount IP65 variant.

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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. It is also able to display an active red cross to highlight unviable escape routes.

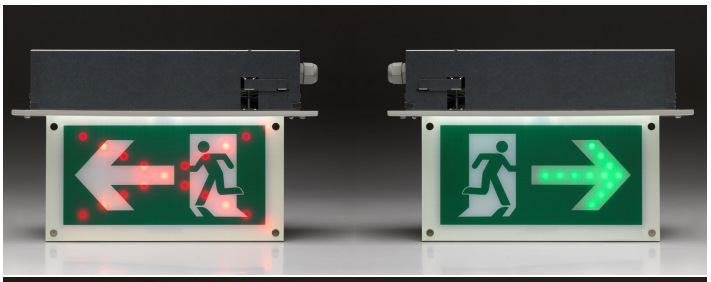
When passive, the Adaptive Escape Sign meets the requirements of EN 60598-2-22 and is suitable to be used as a fully compliant passive/static escape sign in either a new build or is fully suitable to be retrofitted in place of existing escape signage.

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

Integrating a 3rd party addressable fire input/output unit means that the Adaptive Escape Sign 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 ongoing escape route viability in accordance with BS 7273-6:2019 (the 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 Sign can simply revert back to a pulsing green arrow 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.





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

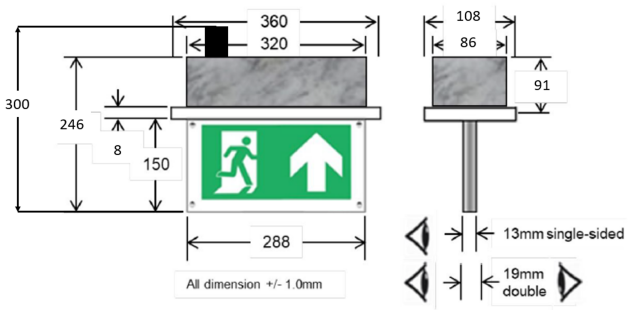
Supply voltage	230V AC @ 50Hz

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

Order Codes

ADAPT/M3/P/R/SS/AD/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Down
ADAPT/M3/P/R/SS/AU/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Up
ADAPT/M3/P/R/SS/AR/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Right
ADAPT/M3/P/R/SS/AL/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Left
ADAPT/M3/P/R/DS/AD/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Double Sided, ISO Arrow Down
ADAPT/M3/P/R/DS/AU/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Double Sided, ISO Arrow Up
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

Recessed dimensions (mm)



Dynamic & adaptive range



See our dynamic range of escape signs for more a more simplistic pulsing green arrow only system. Both dynamic and adaptive escape signs are available in recessed, surface/wall mount & a wall mount IP65 variant.

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As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

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.

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.

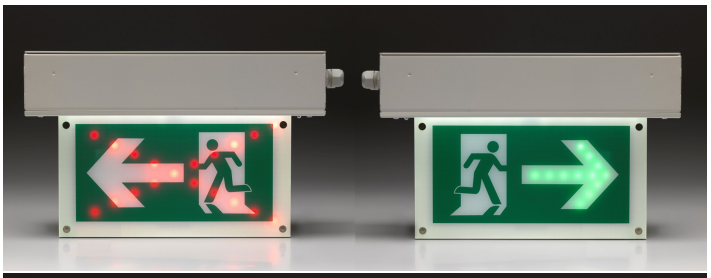
When passive, the Adaptive Escape Sign meets the requirements of EN 60598-2-22 and is suitable to be used as a fully compliant passive/static escape sign in either a new build or is fully suitable to be retrofitted in place of existing escape signage.

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 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.





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

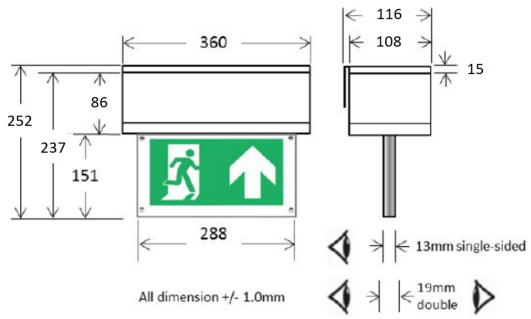
Specification

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

Order Codes

ADAPT/M3/P/SS/AD/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Down
ADAPT/M3/P/SS/AU/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Up
ADAPT/M3/P/SS/AR/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Right
ADAPT/M3/P/SS/AL/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Addressable, Single Sided, ISO Arrow Left
ADAPT/M3/P/DS/AD/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Addressable, Double Sided, ISO Arrow Down
ADAPT/M3/P/DS/AU/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Surface Mount, Maintained, Addressable, Double Sided, ISO Arrow Up
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

Surface Mount Dimensions (mm)



Dynamic & adaptive range



See our Dynamic range of Escape Signs for more a more simplistic Pulsing Green Arrow only system - both Dynamic and Adaptive Escape Signs available in recessed, surface/wall mount & a wall mount IP65 variant.

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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.

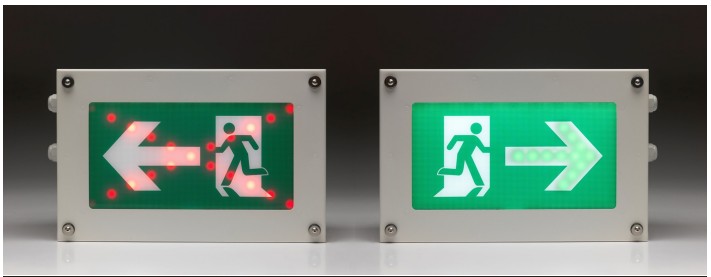
When passive, the Adaptive Escape Sign meets the requirements of EN 60598-2-22 and is suitable to be used as a fully compliant passive/static escape sign in either a new build or is fully suitable to be retrofitted in place of existing escape signage.

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 3rd 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.





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

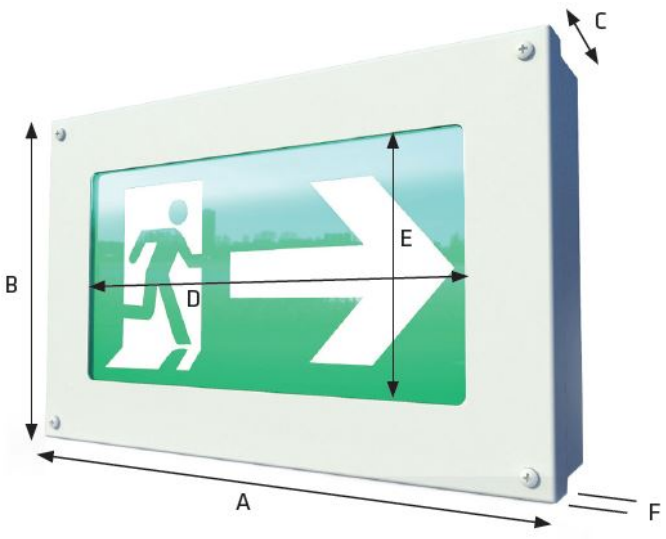
Specification

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

Order Codes

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
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
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
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

IP65 Weatherproof Dimensions (mm)



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

Dynamic & adaptive range



See our Dynamic range of Escape Signs for more a more simplistic Pulsing Green Arrow only system - both Dynamic and Adaptive Escape Signs available in recessed, surface/wall mount & a wall mount IP65 variant.

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