

BX-LED

BX-LED has a simple practical design suitable for general interior or exterior use.

- Extended life, high performance LED light source
- Energy saving LED control technology
- Available in non-maintained or maintained operation
- Ingress rated to IP65
- Screw fixed diffuser



Specification	Self-contained Electrical & operational
Input voltage	220-240v 50Hz
Duration	3 hours (maintained and non-maintained)
Battery	High temperature nickel metal hydride
Charger	Constant current
Charging monitor	Green LED
Recharge period	24 hours
Lamp	LED strip light
	Construction & installation
Cable entry	Rear and moulded locations, 20mm
Construction	Polycarbonate, high grade plastic in white
Environment	0 – 25 ° C
Ingress class	IP65
Dimensions lwd (mm)	400 x 140 x 100
Weight (kg)	1.7 (NM), 2.1 (M)
Product standards	Designed & manufactured to meet BSEN60598.2.22 product regulations
To order	
Product code	Description
B2LS1	BX LED non- maintained 3 hours, white body, opal cover
B3LS1	BX LED maintained 3 hours, white body, opal cover
BBZ	Semi-recess bezel in white
VRKIT	Vandal resisting security screw set
BWG	Protective wire guard

SILVER-LED

Silver-Lite with a precise metal trim gives a clean recessed solution to complement sensitive décor. The type is suited to hotels, hospitals or prestigious premises that require a measure of refinement. Also useful in settings with reduced headroom. A selection of decorative trims is available.



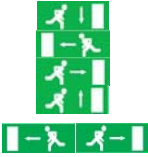
- Extended life, high performance LED light source
- Energy saving GS-LED control technology
- Available in non-maintained or maintained operation
- Available with stainless steel, brushed silver aluminium, white or mirror finish brass trim plate











Specification	Self-contained luminaire Electrical & operational
Input voltage	220-240v 50Hz
Duration	3 hours (maintained and non-maintained)
Battery	High temperature nickel metal hydride
Charger	Constant current
Charging monitor	Green LED
Recharge period	24 hours
Lamp	LED strip light
Lamp rating:	1w
Consumption:	NM- 12mA, M-27mA
	Construction & Installation
Cable entry	Knockouts in rear and ends of the back-box
Construction	Metal recessed enclosure with wing fixings to assist false ceiling mount. Trim surround to prismatic light controller.
Environment	0 – 25 °C
Ingress class	IP20
Dimensions lwd (mm)	Recessed box section: 322 x 137 x 75 (hole: 322 x 1400), trim cover overall: 361 x 169 x 9
Weight (kg)	1.8 (non-maintained), 2.0 (maintained)
Product standards	Designed & manufactured to meet BSEN60598.2.22 regulations

To order

Select a luminaire with a trim to suit

Product code	Description
AR2LS1	Silver-LED, NM 3 hour duration
AR3LS1	Silver-LED, M 3 hour duration
Trim- general recessed	Description
AR011	Trim cover in white with clear diffuser
AR061	Trim cover in silver with clear diffuser
AR041	Trim cover in brass with clear diffuser
AR051	Trim cover in stainless steel with clear diffuser
Trim- sign use	Description
AE01	Slotted trim white, sign use
AE06	Slotted trim silver aluminium, sign use
AE04	Slotted trim brass, sign use
AE05	Slotted trim stainless steel, sign use
Legend panels	Floating legend panel
XE02A31 XE03A31 XE06A31 XE05A31 XE03/36A32	 Euro pictogram, arrow down Euro pictogram, arrow left Euro pictogram, arrow right Euro pictogram, arrow up Euro pictogram, double sided, arrow left one side right the other

Mount height m	Escape route (min, 1 lux)				Open area (min, 0.5 lux)			
								
2.5	2.3	6.0	5.5	2.2	3.1	7.5	7.0	2.8
4.0	1.8	6.3	5.9	1.8	3.2	8.6	7.9	3.0
6.0		4.2	4.1		2.2	8.8	8.3	2.2
Spacing data for NM3 (not applicable to the exit sign version)								

WX-LED



A practical and robust double-sided sign suited to public walkways, enclosed car parks or educational establishments.

- Extended life, high performance LED light source
- Energy saving GS-LED control technology
- Available in non-maintained or maintained operation
- Ingress rated to IP65
- Screw fixed diffuser



Specification	Self-contained Electrical & operational
Input voltage	220-240v 50Hz
Duration	3 hours (maintained and non-maintained)
Battery	High temperature nickel metal hydride
Charger	Constant current
Charging monitor	Green LED
Recharge period	24 hours
Lamp	LED strip light
Lamp rating:	1w
Consumption:	NM- 12mA, M-27mA
	Construction & installation
Cable entry	Rear and moulded locations, 20mm
Construction	Polycarbonate, high grade plastic in white
Environment	0 – 25 ° C
Ingress class	IP65
Dimensions lwd (mm)	400 x 140 x 166 (base - 49, diffuser – 155)
Weight (kg)	1.7 (NM), 2.1 (M)
Product standards	Designed & manufactured to meet BSEN60598.2.22 product regulations

To order

Product code		Description
DV3LS1XE22		Double sided WXLED sign maintained 3 hours, with euro pictogram arrow down on both sides
DV3LS1XE36		Double sided WXLED sign, maintained 3 hours, with euro pictogram arrow left one side right the other

J-LED

Introducing a recessed LED light source, this is ideal for mounting in false ceilings for illuminating the escape route, work or assembly area.

- Extended life, high performance low wattage LED light source
- Energy saving **LED** control technology
- Escape or open area models
- Styled trim for seating in ceiling
- Electronics in a tubular package for ease of fitting



Specification	Slave luminaire Electrical & operational
Input voltage	50v AC/DC from central emergency power system
Lamp	LED single point
Lamp output	1w
Construction & Installation	
Mounting	Designed to fit through a 39 mm diameter ceiling opening, recessing.
Orientation for escape route mounting	An arrow on the lens should be in line with the escape route direction.
Construction	Tubular electronics housing, separate LED head
Environment	0 – 30 ° C
Ingress class	IP20 for indoor use
Dimensions LØ (mm)	Module: 130 x 38. Hole cut 39mm
Product standards	Designed & manufactured to meet the requirements of the BSEN60598.2.22 product standard
To order	
Product code	Description
LR8L1A	Recessed LED, open area, 50v AC/DC, white trim
LR8LIE	Recessed LED, escape, 50v AC/DC, white trim

Spacing data
NM

Mount height m	Escape route (min, 1 lux)				Open area (min, 0.5 lux)			
	NM				NM			
2.5	3.7	8.5	1.9	0.7	3.0	5.1	5.1	3.0
3.0	4.1	9.4	2.0	0.8	3.1	6.2	6.2	3.1
4.0	4.5	11.1	2.3	0.9	3.6	7.3	7.3	3.6
5.0	3.3	12.2	2.4	0.8	4.1	8.3	8.3	4.1
6.0	3.4	5.0			4.1	8.3	8.3	4.1

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- Escape or open area models
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- Electronics in a tubular package for ease of fitting



Specification

Self-contained luminaire

Electrical & operational

Input voltage	220-240v 50Hz
Duration	3 hours
Battery	High temperature nickel metal hydride
Charger	Constant current
Charging monitor	Green LED
Recharge period	24 hours
Lamp	LED single point



Construction & Installation

Mounting	Designed to fit through an 39 mm diameter ceiling opening for recessing.
Orientation for escape route mounting	An arrow on the lens should be in line with the escape route direction.
Construction	Tubular electronics housing, separate LED head and battery set.
Environment	0 – 25 ° C
Ingress class	IP20 for indoor use
Dimensions LØ (mm)	Module: 130 x 38. Hole cut 39mm
Product standards	Designed & manufactured to meet the requirements of the BSEN60598.2.22 product standard









To order

Product code	Description
LR2L1A	Recessed LED, open area, NM 3 hour duration, white trim
LR2LIE	Recessed LED, escape, NM 3 hour duration, white trim
LR3L1A	Recessed LED, open area, M 3 hour duration, white trim
LR3LIE	Recessed LED, escape, M 3 hour duration, white trim

Spacing data

NM

NM

Mount height m	Escape route (min, 1 lux)				Open area (min, 0.5 lux)			
								
2.5	3.7	8.5	1.9	0.7	3.0	5.1	5.1	3.0
3.0	4.1	9.4	2.0	0.8	3.1	6.2	6.2	3.1
4.0	4.5	11.1	2.3	0.9	3.6	7.3	7.3	3.6
5.0	3.3	12.2	2.4	0.8	4.1	8.3	8.3	4.1
6.0	3.4	5.0			4.1	8.3	8.3	4.1

SURF-LED









Surf-LED is a compact LED surface luminaire suited to a variety of premises to give long service in illuminating the escape route, work or assembly area.

- Extended life, high performance LED light source
- Energy saving LED control technology
- Slim, compact and clean style
- Finish in white



Specification	Slave luminaire Electrical & operational
Input voltage Lamp Lamp output	50v AC/DC from central emergency power system LED single point 1w
	Construction & Installation
Cable entry Construction Environment Ingress class Dimensions LWD (mm) Weight (kg) Product standards	Rear BESA Folded metal enclosure, standard finish in white epoxy 0 – 30 ° C IP20 for indoor use 162 x 118 x 33 0.6 Designed & manufactured to meet the standards of BSEN60598-1 & BSEN60598.2.22
To order Product code	Description
LS8L1A LS8L1E	Surface LED, open area, 50v AC/DC slave, white trim Surface LED, escape, 50v AC/DC slave, white trim

Spacing data
LS8L1E

Mount height m	Escape route (min, 1 lux)				Open area (min, 0.5 lux)			
								
2.5	3.7	8.5	1.9	0.7	3.0	5.1	5.1	3.0
3.0	4.1	9.4	2.0	0.8	3.1	6.2	6.2	3.1
4.0	4.5	11.1	2.3	0.9	3.6	7.3	7.3	3.6
5.0	3.3	12.2	2.4	0.8	4.1	8.3	8.3	4.1
6.0	3.4	5.0			4.1	8.3	8.3	4.1

SURF-LED

Surf-LED is a compact LED surface luminaire suited to a variety of premises to give long service in illuminating the escape route, work or assembly area.

- Extended life, high performance LED light source
- Energy saving LED control technology
- Slim, compact and clean style
- Finish in white



Specification	Self-contained luminaire Electrical & operational
Input voltage	220-240v 50Hz
Duration	3 hours
Battery	High temperature nickel metal hydride
Charger	Constant current
Charging monitor	Green LED
Recharge period	24 hours
Lamp	LED single point
Construction & Installation	
Cable entry	Rear BESA
Construction	Folded metal enclosure, standard finish in white epoxy
Environment	0 – 25 ° C
Ingress class	IP20 for indoor use
Dimensions LWD (mm)	162 x 118 x 33
Weight (kg)	0.6
Product standards	Designed & manufactured to meet the requirements of the BSEN60598.2.22 product standard
To order	
Product code	Description
LS2L1A	Surface LED, open area, NM 3 hour duration, white trim
LS2L1E	Surface LED, escape, NM 3 hour duration, white trim
LS3L1A	Surface LED, open area, M 3 hour duration, white trim
LS3L1E	Surface LED, escape, M 3 hour duration, white trim

Spacing data

Mount height m	LS2L1E NM				LS2L1A NM			
	Escape route (min, 1 lux)				Open area (min, 0.5 lux)			
2.5	3.7	8.5	1.9	0.7	3.0	5.1	5.1	3.0
3.0	4.1	9.4	2.0	0.8	3.1	6.2	6.2	3.1
4.0	4.5	11.1	2.3	0.9	3.6	7.3	7.3	3.6
5.0	3.3	12.2	2.4	0.8	4.1	8.3	8.3	4.1
6.0	3.4	5.0			4.1	8.3	8.3	4.1

Escape Line

Self Contained

WAY-LED










WAY-LED is a versatile luminaire, which can be installed for general use or as a back-lit or edge sign. The sign and mounting options can be setup by adding

- High performance LED light source
- Energy saving LED control technology
- Clean style
- Available in non-maintained or maintained operation
- Exit sign option with separately supplied legends



Specification	Self-contained luminaire
	Electrical & operational
Input voltage	220-240v 50Hz
Duration	3 hours (maintained and non-maintained)
Battery	High temperature nickel metal hydride
Charger	Constant current
Charging monitor	Green LED
Recharge period	24 hours
Lamp	LED strip light
Lamp rating:	1w
Consumption:	NM- 12mA, M-27mA
	Construction & Installation
Cable entry	Rear and end moulded locations
Construction	Polycarbonate, high grade plastic in white
Assembly	The diffuser has a level of clip fit security. It is removed by gently prising the cover with a small flat blade screwdriver at both ends in succession (as illustrated in the instructions)
Environment	0 – 25 ° C
Ingress class	IP54 with sealing gasket fitted
Dimensions lwd (mm)	360 x 193 x 55
Weight (kg)	1.52 (NM), 1.74 (M)
Product standards	Designed & manufactured to meet the BSEN60598.2.22 regulations

To order

Product code		Description
PLX2LS111		Slim LED, NM 3 hour duration
PLX3LS111		Slim LED, M 3 hour duration
Legend stickers		Self-adhesive
RSE2PL		Euro pictogram, arrow down
RSE3PL		Euro pictogram, arrow left
RSE6PL		Euro pictogram, arrow right
RSE5PL		Euro pictogram, arrow up
Legend panels		Perspex edge lit panel with floating legend
XE02PL		Euro pictogram, arrow down
XE03PL		Euro pictogram, arrow left
XE06PL		Euro pictogram, arrow right
XE05PL		Euro pictogram, arrow up
XE036PLD		Euro pictogram, double sided, arrow left one side right the other

Accessories

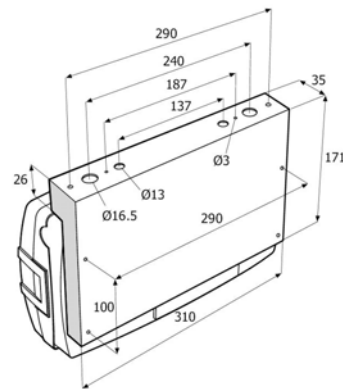
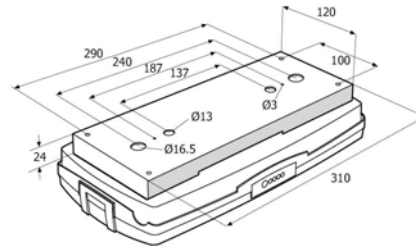
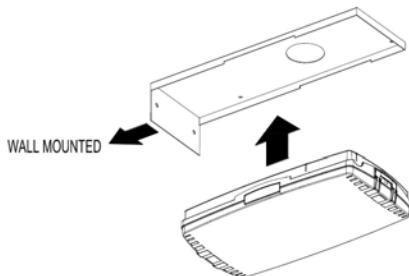
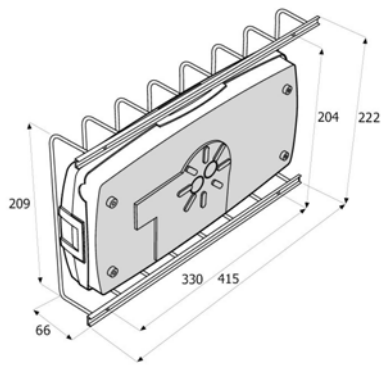
PL/WG	Protective wire guard
PL/BWM	Cantilever wall bracket, luminaire horizontal
PL/BPM	Ceiling mounting bracket, luminaire horizontal
PL/BCM	Ceiling mounting bracket, luminaire vertical

Drawings: Luminaire mounting brackets and guards

PL/BPM - Ceiling mount, horizontal

PL/BCM – Ceiling mount, vertical

PL/BWM – Cantilever wall mount bracket



Spacing table

Mount height m	Escape route (min, 1 lux)				Open area (min, 0.5 lux)			
2.5	2.2	7.3	4.5	1.6	4.0	10.1	6.1	2.3
3.0	2.5	7.0	4.5	0.9	4.2	10.8	6.4	2.3
4.0		3.7	2.8		3.4	9.8	6.4	1.7
5.0						8.7	5.7	
6.0						5.1	5.3	

RAY-LED









Ray-LED is a recessed LED luminaire with clean lines for installation in false ceilings indoors.

- Extended life, high performance LED light source
- Energy saving LED control technology
- Slim, clean style
- Available in non-maintained or maintained operation
- Edge-lit exit sign option with separately supplied legend panels



Specification	Self-contained luminaire Electrical & operational
Input voltage	220-240v 50Hz
Duration	3 hours (maintained and non-maintained)
Battery	High temperature nickel metal hydride
Charger	Constant current
Charging monitor	Green LED
Recharge period	24 hours
Lamp	LED strip light
Lamp rating:	1w
Consumption:	NM- 12mA, M-27mA
	Construction & Installation
Cable entry	Rear and moulded locations, 20mm
Construction	Polycarbonate, high grade plastic in white, with white lip trim
Mounting	Wing fixings for securing in a normal ceiling tile
Environment	0 – 25 ° C
Ingress class	IP20 for indoor use
Dimensions LWD (mm)	Body: 410 x 65 x 70 Legend panel: 320 x 175 x 8
Weight (kg)	1.1 (NM), 1.3 (M) without legend panel
Product standards	Designed & manufactured to meet BSEN60598.2.22 regulations
To order	Please order the cover depending on whether it will be used as a recessed general luminaire or a sign
Product code	Description
RB2LS1	Day-LED, NM 3 hour duration, white trim
RB3LS1	Day-LED, M 3 hour duration, white trim
RB00	Diffuser panel, clear optimised
RE00	Slotted clear diffuser panel for edge lit sign use
Legend panels	Panel (320 x 175 x 8 mm) with floating legend
XE02A31	Euro pictogram, arrow down
XE03A31	Euro pictogram, arrow left
XE06A31	Euro pictogram, arrow right
XE05A31	Euro pictogram, arrow up
XE03/6A32	Euro pictogram DS, arrow left one side right the other







Mount height m	Escape route (min, 1 lux)				Open area (min, 0.5 lux)			
								
2.5	0.6	5.8	3.3	0.3	3.9	9.3	6.2	1.7
3.0		2.7	2.5		1.4	8.0	5.9	1.3
4.0						7.6	3.9	

VE-LED

Escape-LED is a clean LED sign luminaire in the Compact Navigator family.

- Extended life, high performance LED light source
- Energy saving **GS-LED** control technology
- Slim, clean style
- Available in maintained operation only



Specification	Self-contained luminaire	
	Electrical & operational	
Input voltage	220-240v 50Hz	
Duration	3 hours	
Battery	High temperature nickel metal hydride	
Charger	Constant current	
Charging monitor	Green LED	
Recharge period	24 hours	
Lamp	LED strip light	
Lamp rating:	1w	
Consumption:	NM- 12mA, M-27mA	
	Construction & Installation	
Cable entry	Via knockouts	
Construction	Folded metal enclosure, standard finish in white epoxy	
Environment	0 – 25 ° C	
Ingress class	IP20 for indoor use	
Dimensions LWD (mm)	385 x 185 x 75	
Weight (kg)	2.2	
Product standards	Designed & manufactured to BSEN60598.2.22 product regulations	
To order	Description	
Product code		
VE2LS1	Escape-LED, NM 3 hour duration, white trim	
VE3LS1	Escape-LED, M 3 hour duration, white trim	
Legend panels	Panel	Description
XE02V31		Euro pictogram, arrow down
XE03V31		Euro pictogram, arrow left
XE06V31		Euro pictogram, arrow right
XE05V31		Euro pictogram, arrow up









DAY-LED

Day-LED slave is a slim bodied slave emergency lighting luminaire, designed to operate from a 50v AC/DC central emergency power supply system.



- Extended life, high performance LED light source
- Energy saving GS-LED control technology
- Slim, clean style
- Rated to IP65, with screw fixed security

Specification	Slave
	Electrical & operational
Input voltage	50v AC/DC from central emergency power system
Lamp	LED strip light
Lamp output	90 lumens nominal
	Construction & Installation
Cable entry	Moulded locations, 20mm
Construction	Polycarbonate body in white. Clear optically engineered diffuser, screw fixed to base
Environment	0 – 30°C ambient
Ingress class	IP65
Dimensions lwd (mm)	343 x 98 x73
Weight (kg)	1.3
Product standards	Designed & manufactured to meet the standards of BSEN60598-1 & BSEN60598.2.22
To order	The luminaire is supplied for surface mounting use. An optional semi-recess bezel is available for mounting to false ceilings.
Product code	Description
XW8LS11	Day-LED, 50v slave, white trim, clear diffuser, IP65
XTR	Semi-recess bezel in white

Mount height m	Escape route (min, 1 lux)				Open area (min, 0.5 lux)			
								
2.5		4.3	2.4		4.2	8.5	4.2	1.3
3.0		4.9	1.0		4.9	10.0	4.1	
4.0						6.7	2.1	

Spacing data: XW8LS11, 50v slave

DAY-LED

The slim profile Day-Led general luminaire is available for use indoor or out.

- Extended life, high performance LED light source
- Energy saving GS-LED control technology
- Slim, clean style
- Available in non-maintained or maintained operation
- Rated to IP65, with screw fixed security



Specification

Self-contained luminaire

	Electrical & operational
Input voltage	220-240v 50Hz
Duration	3 hours (maintained and non-maintained)
Battery	High temperature nickel metal hydride
Charger	Constant current
Charging monitor	Green LED
Recharge period	24 hours
Lamp	LED strip light
Lamp rating:	1w
Consumption:	NM- 12mA, M-27mA

Construction & Installation

Cable entry	Moulded locations, 20mm
Construction	Polycarbonate body in white. Clear optically engineered diffuser, screw fixed to base
Environment	0 – 25°C ambient
Ingress class	IP65
Dimensions lwd (mm)	343 x 98 x73
Weight (kg)	1.1
Product standards	Designed & manufactured to meet the BSEN60598.2.22 regulations









To order

The luminaire is supplied for surface mounting use. An optional semi-recess bezel is available for mounting to false ceilings.

Product code

Description

XW2LS11	Day-LED, NM 3 hour duration, white trim
XW3LS11	Day-LED, M 3 hour duration, white trim
XTR	Semi-recess bezel in white

Mount height m	Escape route (min, 1 lux)				Open area (min, 0.5 lux)			
								
2.5		4.3	2.4		4.2	8.5	4.2	1.3
3.0		4.9	1.0		4.9	10.0	4.1	
4.0						6.7	2.1	

Spacing data for NM3