Tubular fittings

XEL Self-contained or slave emergency lighting - zones 1, 2, 21 & 22

Features
- Emergency lighting suitable for zones 1, 2, 21, 22
- Two-in-one product: lighting and signage
- Self contained and Slave version
- 800000 Operating life at 25°C
- Glass diffuser
- Offshore grade painting
- 1h battery life (3h depending on reference)

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XEL Tubular LED fitting

Approvals & certifications

Specifications

Marine grade copper-free aluminum alloy
Borosilicate glass - thickness 7mm
Rating: 4x1W LED
Supplied with pictogram stickers
Rated voltage 230Vac 50/60Hz
Wiring configuration: 3 wires
2x entries 3/4"NPT or 1 x entry M20

Standards

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Approved to:	EN 60079-0: General requirements
	EN 60079-1: Flameproof enclosure "d"
	EN 60079-7: increased safety "e"
	EN 60079-31: Enclosure "t"
ATEX Directive 2014/34/EU	INERIS 13 ATEX 0050X INERIS 13 ATEX 0051X (Only for XEL400VLSI)
	⟨Ex⟩ II 2 GD
	Ex de IIC T6 Gb (XEL400VLSI) Ex d IIC T6 Gb (all other)
	Ex tb IIIC T80°C Db IP66
	T° amb: see table on next page
EMC Directive (2014/30/EU)	EN 55015: Conducted emission test and radiated emission test EN61547: CEM immunity EN61000-3-2 Harmonic current emissions class C EN61000-3-3 Limitation of voltage changes and flickers
Low voltage Directive (2014/35/EU)	EN 60598-1: Luminaire general requirements and tests, including dielectric strength and isolation resistance
Glow wire test	960°C
IP test:	IEC 60529: IP66
Impact protection index:	IEC 62262: IK 07

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XEL Tubular LED fitting

• 3 wires
• Glass Diffuser
• Equipped with 1 cable gland & 1 plug
• Suitable for use in Zones 1, 2, 21, 22

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Dimensions

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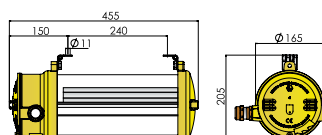
XEL 3 wires: Glass Diffuser Equipped with 1 cable gland & 1 plug

Type	Function: Non maintained	Testing type	Battery H	M / NM	Lumen output without / with pictogram	Operating life at 25°C h	T amb.	Gas	Dust	Weight kg
Self contained										
XEL400VLAK-00000	Lighting /Escape route	Auto test	1H	NM	330 / 100	80000	-20°C to +55°C	IIC	T80˚C	5.4
XEL400VLSI-00000	Lighting /Escape route	Addressable + Auto test	1H	NM	330 / 100	80000	-20°C to +55°C	IIC	T80˚C	5.4
XEL4001VSI-00000	Lighting /Escape route	Addressable	3H	NM	150 / NA	80000	-20°C to +55°C	IIC	T80˚C	5.4
XEL4001VA-00000	Lighting /Escape route	Auto test	3H	NM	150 / NA	80000	-20°C to +55°C	IIC	T80˚C	5.4
XEL400VLPA-00000	Lighting /Escape route	Auto test	1H	M	330 / 100	80000	-20°C to +55°C	IIC	T80˚C	5.4
XEL400VLPSI-00000	Lighting /Escape route	Addressable	1H	M	330 / 100	80000	-20°C to +55°C	IIC	T80˚C	5.4
XEL400VLPAB-00000	Lighting /Escape route	Module LB400	1H	M	330 / 100	80000	-20°C to +55°C	IIC	T80˚C	5.4
Slave:										
XEL3008VLBU-00000	Lighting /Escape route	Module LTC		NA	200 / NA	80000	0°C to +40°C	IIC	T80˚C	5.3
XEL3008VL-00000	Lighting /Escape route			NA	200 / NA	80000	-20°C to +55°C	IIC	T80˚C	5.3
XEL3008VLBG-00000	Lighting /Escape route	Module FLX		NA	200 / NA	80000	-10°C to +55°C	IIC	T80˚C	5.3
XEL3008VLB-00000	Lighting /Escape route	Module LBS		NA	200 / NA	80000	-10°C to +55°C	IIC	T80˚C	5.3
XEL3008VL-0K000	Lighting /Escape route			NA	200 / NA	80000	-20°C to +55°C	IIC	T80˚C	5.3

Note: Spacing table available page 183.

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Technical information

	General data
Lamps	LED 4x1W
Photometric curve	See page 182
Rated voltages	Electronic ballast: 230Vac 50/60Hz or 24V Power NM 0.5W 24V(only for XEL3008VL-0K000)
Over-current protection	The power supply shall be self-recovery when the fault condition is removed
Power factor	0.4
CRI	Minimum 70
Wiring Configuration	3 wires + 2 remote control unit
Dielectrical class	I
Grounding system	TNS, TNC, TT, IT neutral system
Battery	Battery NiMh 3.6V 1.1Ah Average life time of battery 4 years Upload charge cycle 100% 25°C - 24h
Pictogram	4 adhesive pictograms (included)

	General data
External grounding lug	Screw M4x20 (stainless steel 316L) (nearby cable gland)
Terminal block (screws plug in terminal block)	2.5mm² rigid or flexible
	Terminals supplied L1, L2, L3, N, PE (looping possible with one additional cable gland)
Cable entries	**XEL400VLSI :** One entry M20
	All other: 2 entries 3/4"NPT Included: one stopping plug 3/4"NPT nickel plated brass (EXN/075/SP) and one cable gland for non armoured cable, diameter 6-12mm (EX05ASC3)
Casting	Marine grade aluminum alloy according to standard EN1706. Borosilicate glass thickness 7mm.
Colour of casting (std) Colour option:	● XEL****-00000 - Yellow offshore, RAL 1003 ● XEL****-B0000 - Grey, RAL 7035
Fixing (included with product)	D023- 2x zinc plated steel articulated brackets for ceiling mounting

Tubular fittings

XEL Self-contained or slave emergency lighting - zones 1, 2, 21 & 22
Technical information & accessories

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Technical information

	General data
Lamps	LED 4x1W
	Cool White - approximately 4000K
	L70/B10 at 25°C (70% lumen output/ 90% active LED) according to operating life
Photometric curve	See page 182

	General data
External grounding lug	Screw M4x20 (stainless steel 316L) (nearby cable gland)

Spare parts	Type	Specifications
	B013B	LED Gear tray for XEL400VLAK (includes battery)
	B013C	LED Gear tray for XEL400VLSI (includes battery)
	B013L1SI	LED Gear tray for XEL4001VSI (includes battery)
	B013L1A	LED Gear tray for XEL4001VA (includes battery)
	B013LPA	LED Gear tray for XEL400VLPA (includes battery)
	B013LPSI	LED Gear tray for XEL400VLPSI (includes battery)
	B013LPAB	LED Gear tray for XEL400VLPAB (includes battery)
	B013LBU	LED Gear tray for XEL3008VLBU
	B013L	LED Gear tray for XEL3008VL
	B013LBG	LED Gear tray for XEL3008VLBG
	B013LB	LED Gear tray for XEL3008VLB
	B013LK	LED Gear tray for XEL3008VL-0K000 – 24Vac/Vdc

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Additonal information for XEL400VLAK-00000 and XEL400VLSI-00000
Remote control units for emergency lighting

NF
AEAS / BAES
PERFORMANCE SATI

Order number	BT5F	BT12V
Type	621500	621201
Power supply	220-240 Vac - 50/60 Hz	
Main feature	Multi-brand compatibility ON / OFF offset	Standard ON / OFF 230Vac 50/60Hz Power 0.5W
Testing type	Unswitched - Switch off - combined	
Size (mm)	82 x 70 x 70	

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Standard remote control installation (Self contained)

LINE IN

Main disconnect

TELE

BT 12V

Block n°1   Block n°2   Block n°3
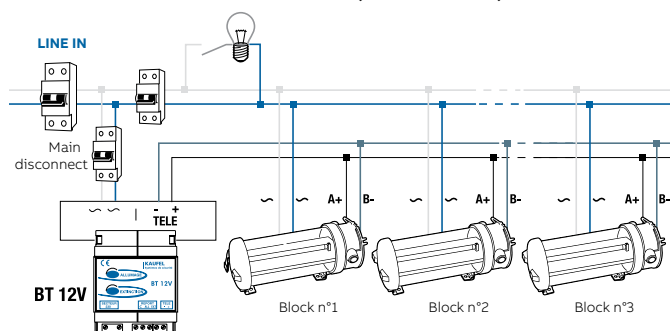
Regulations

Article EC 12 paragrah 6
Self-contained emergency lighting installations must have on fit one or several devices allowing centralised control. The devices must be located close to the master control unit or one sub-division control units.

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Remote control installation with integrated self testing capabilities

LINE IN

Remote control   BT 5F

Main disconnect

230 V | SATI | Report | - +

Normally open contact close for SATI report

Sub disconnect

B- A+   B- A+