

LIGHTING FIXTURES FOR HIGH EFFICIENCY LED LAMPS AND FLUORESCENT TUBE LAMPS

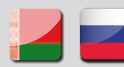
Explosion Proof Electrical Equipment



Ex Lighting

Installation: hazardous areas - Zone 1 / 2 (Gases) - Zone 21 / 22 (Dusts)
Classification: Group II - Category 2G 2D

EXL



	LIGHTING FIXTURE				
	ATEX 94/9/EC	IEC Ex	INMETRO	GOST-R (RTR/RTN)	GOST-K
EXECUTION	⊕ II 2 G Ex d IIB T6 ⊕ II 2 D Ex tD A21 T85°C	Ex d IIB T6 II Ex tD A21 T85°C	Ex d IIB T6 II Ex tD A21 T85°C	1Ex d IIB T6, Ex tD A21 TA 85°C	1Ex d IIB T6, Ex tD A21 TA 85°C
AMBIENT TEMP.	-60°C ÷ +60°C	-60°C ÷ +60°C	-60°C ÷ +60°C	-60°C ÷ +60°C	-60°C ÷ +60°C
PROTECTION DEGREE	IP66	IP66	IP66	IP66	IP66
CERTIFICATE REF.	IMQ 09 ATEX 020	-	-	POCC IT. ME92.B02923	No. 07/43-269
RULES OF COMPLIANCE	EN 60079-0:2006; EN 60079-1:2004; EN 61241-0:2004; EN 61241-1:2004;	IEC 60079-0; IEC 60079-1; IEC 61241-0; IEC 61241-1;	ABNT NBR IEC 60079-0; ABNT NBR IEC 60079-1; ABNT NBR IEC 61241-0; ABNT NBRIEC 61241-1;	ГОСТ Р МЭК 60079-0:2011; ГОСТ Р МЭК 61241-0:2007; ГОСТ Р МЭК 61241-1:2004;	ГОСТ Р 51330.0/1/8/14-99; ГОСТ Р МЭК 61241-1-1-2002

Mechanical characteristics

Body	marine grade copper free aluminium
Diffuser	high-temperature resistant borosilicate glass
Painting	external epoxy powders grey RAL-9006 colour
Screws	external stainless steel
Reflectors	white stove enamelled sheet steel
Cable entry	3/4" NPT size threaded c/w cable gland

Electrical characteristics

Power supply (neon)	electronic ballast 230V/240V 50/60Hz (cos ρ ≥ 0,98)
Power supply (led)	electronic ballast 230V/240V 50/60Hz (always on – maintained) electronic ballast 120V/240V 50/60Hz (network only – not maintained)
Lampholders	bi-in G5 cap (fluorescent lamp only)
Internal wiring	high-temperature resistant silicon rubber insulation cables
Terminals	suitable up to 4sq/mm cables
Emergency unit	Emergency unit for maintained and not maintained (see technical data table)

Functional characteristics

- **EXL08 (Network only):** 8W fluorescent lamp and electronic ballast 230V/240V 50/60Hz
- **EXL08ESA-3 (Always On - Maintained):** 8W fluorescent lamp and electronic ballast 230V/240V AC and 3,6V – 4Ah 3 hours autonomy emergency unit
- **EXL08E (Emergency only - Not Maintained):** 8W fluorescent lamp and electronic ballast 230V/240V AC and 3,6V – 2Ah 3h emergency unit
- **EXL08L / EXL208L (Network only):** with high brightness LEDs (350mA – 4,8W) supply from 120V up to 240V AC/DC
- **EXL08LE-SA (Always On - Maintained):** with high brightness LEDs (350mA – 4,8W) supply from 100V up to 240V AC and 6V – 2Ah emergency unit complete with charge status monitor LED system (RED; battery under charging – GREEN: battery loaded)
- **EXL08LE (Emergency only - Not maintained):** with high brightness LEDs (350mA – 1,1W) supply from 230V/240V AC and 6V – 2Ah emergency unit complete with charge status monitor LED system (RED; battery under charging – GREEN: battery loaded)

Remarks

- **EXL08E / EXL08ESA - 8W fluorescent lamp:** emergency light intensity is 40% of light intensity with networking power supply
- **EXL08LE - with high brightness LEDs (350mA -4.8 W):** emergency light intensity is 100% of light intensity with networking power supply

ON REQUEST ACCESSORIES:

- External painting colour on request
- Electronic ballast with voltage supply different than standard
- Threaded cable entry different than standard
- Self-adhesive green label with EXIT sign (language on request)

EXL Technical data

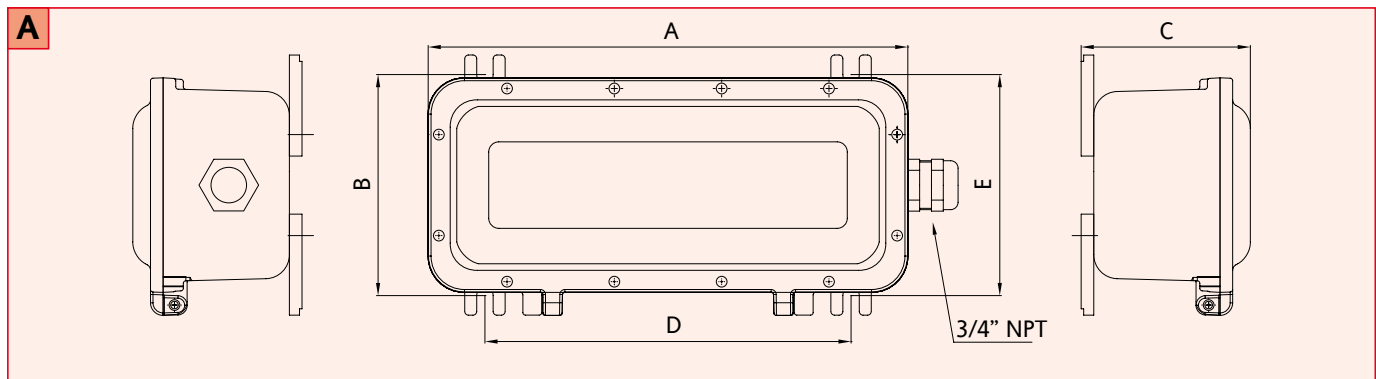
CODE	POWER SUPPLY	LAMP	mA (LED)	TEMPERATURE CLASS (GAS)	TEMPERATURE CLASS (DUSTS)	EMERGENCY UNIT	AUTONOMY
LIGHTING FIXTURES FOR FLUORESCENT TUBE LAMPS							
EXL08	230 ÷ 240V AC	8 W	-	T6	T 85°C	no	-
EXL08E-3	230 ÷ 240V AC	8 W	-	T6	T 85°C	3,6V - 4A/h	3h
EXL08ESA-3	230 ÷ 240V AC	8 W	-	T6	T 85°C	3,6V - 4A/h	3h

LIGHTING FIXTURES FOR HIGH EFFICIENCY LED LAMPS							
EXL08L	120 ÷ 240V AC/DC	4,8 W	350	T6	T 85°C	no	-
EXL08LE	230 ÷ 240V AC	4,8 W	350	T6	T 85°C	3,6V - 2A/h	3h
EXL208L	120 ÷ 240V AC/DC	9,16 W	350	T6	T 85°C	no	-
EXL08LE-SA	100 ÷ 240V AC	4,8 W	350	T6	T 85°C	12V - 2A/h	3h

EXL Technical features

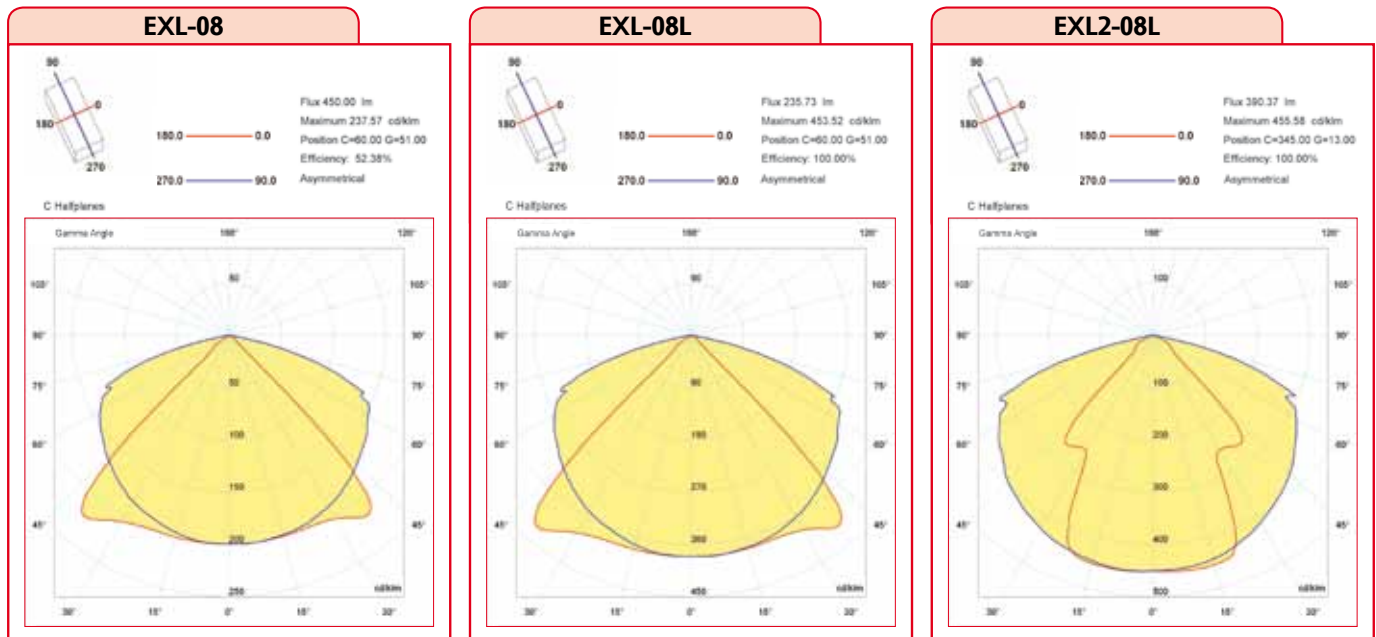
CODE	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	WEIGHT [Kg]	CABLE ENTRY	DETAIL
EXL08...	380	170	125	270	125	8,00	1 x 3/4"	A

Reference details



EXL On request accessories

CODE	DESCRIPTION	MATERIAL
2070.00088	SELF-ADHESIVE GREEN "EXIT" LABEL	POLYESTER



REMARK: Due to the development of the national and international specifications and of the technology, the above technical characteristics showed on this bulletin can be considered as binding on our confirmation only.