

APPLICATION

The luminaire is designed to light the industrial areas and facilities, also outdoor spaces with an explosion hazard of gases, vapors and flammable fogs mixed with air.

Hazardous zones: 1,2, 21, 22.

Ex fluorescent light fitting type FLX is used as fluorescent lighting fitting with two TC-TSE fluorescent compact lamps 18W,24W,36W, 40W, 55W with 2G11 lampholder.

CONSTRUCTION

Housing: corrosion resistant grey polyurethanes painted aluminium color RAL 7000

Diffuser: borosilicate glass tube

Gasket: silicon

The light fitting is normally supplied with two light sources, two entries M20 and wall/sealing mounting set.

TECHNICAL DATA

Certificate:	HREx, ATEX
Marking:	CE 0722
Apparatus category:	II 2GD
Marking of explosion protection:	Ex de IIC T5/T6 Ex d IIC T5/T6 tD A21 T90°C/T80°C
Environment temperature:	-20°C ≤ T _a ≤ +50°C
Degree of protection:	IP 66 in accordance with EN 60529+A1, category 1
Resistance to shock:	IK 08 in accordance with EN 50102
Insulation class :	I (protective earthing) in accordance with EN 61140
Rated voltage:	100 V ÷ 280 V AC/DC
Frequency:	0-60 Hz
Rated power:	See selection table
Power factor:	λ=0,99
Connecting terminals:	L1, L2, L3, N, PE - max. 2,5 mm ² PE for outside earthing max. 2 x 6 mm ²
Cable entry:	2 x M20, according to EN 60079-1, ISO 965-1, ISO 965-3 or 2 x 3/4"NPT, according to ANSI/ASME B1.20.1 or 2 x M20, with one Ex d plugs and one adapter type ADP 03/24, for cable φ6-15 mm
Through wiring:	With two Ex de adapter ADP 03/24 - 4 x 2,5 mm ² , max. 16 A,
Energy classification EEI:	A2
Electromagnetic compatibility:	in conformity with the EC Directive 89/CE and harmonized standards: EN 55015, EN 61547, EN 61000-3-2, EN 61000

MOUNTING

Pendant, on pipe, wall, ceiling mounting

Operates in any position.

MODEL CODE

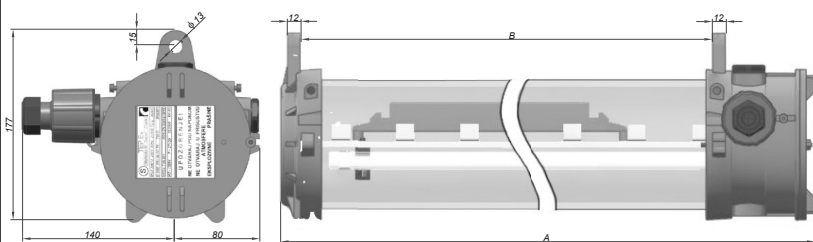
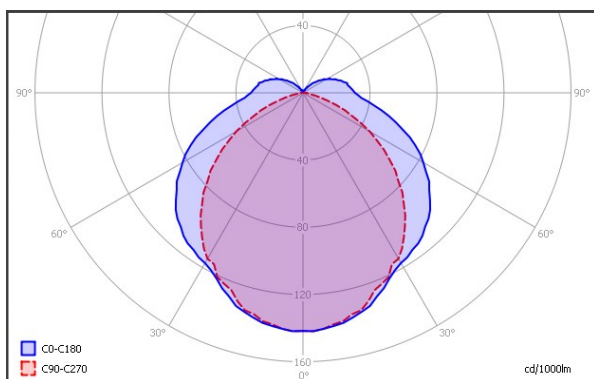
FLX . . . / . . .

- Basic type code**
- Number of fluorescent tubes in lamp:**
 - 1 – one tube
 - 2 – two tubes
- Nominal wattage of tube:**
 - 18 - 18 W TC-L
 - 24 - 24 W TC-L
 - 36 - 36 W TC-L
 - 40 - 40 W TC-L
 - 55 - 55 W TC-L
- Type of ballast:**
 - 0 - magnetic ballast with starter (EEI=B2) (only for types FLX .18, FLX .24, FLX .36)
 - 1 - electronic ballast with preheat start (EEI=A2)
- Type of entries:**
 - 0 - Ex d threaded cable entries 2x M20, ISO 965-1, ISO 965-3
 - 1 - Ex d threaded cable entries 2x 3/4"NPT, ANSI/ASME B1.20.1
 - 2 - Ex d cable entries 2x M20, ISO 965-1, ISO 965-3 with one Ex de adapter type ADP 03/24 and one Ex d plug

MODEL CODE	WATTAGE	LAMP TYPE	NOMINAL VOLTAGE	LUMINOUS FLUX [lm]	LAMP HOLDER	A	B	WEIGHT
FLX 218	2x18 W	TC-TSE	100-280 V	2 x 1200	2G11	330	215	3,3 kg
FLX 224	2x24 W			2 x 1800		425	310	3,8 kg
FLX 236	2x36 W			2 x 2900		520	405	5,8 kg
FLX 240	2x40 W			2 x 3600		645	530	8,0 kg
FLX 255	2x55 W			2 x 4700				8,4 kg

POLAR CURVE

DIMENSION DRAWING (all dimensions in mm)



SPARE PARTS AND ACCESSORIES

SKETCH	DESCRIPTION	CODE	SKETCH	DESCRIPTION	CODE
	Cover gasket FLX	FLX 10-120		Ex d cable gland SPU 20	SPU 20
	Base plate FLX/...	FLX 10-130		Ex d plug M20	SPC 20
	Protective grid FLX set	FLX 20-140		FLX Wall / ceiling mounting set	FLX 20-170
	External reflector FLX	FLX 20-150		FLX Pipe mounting set	FLX 20-180
	Junction box ADP 23	FLX 10-160			