

**KERMANN****Kermann ExProof Linear X Z2 product line****Very high efficacy explosion-proof linear LED luminaire.**

# Zone 2, Z2

**CE Ex II 3G Ex nR IIC T6 Gc****CE Ex II 3D Ex tc IIIC T85°C Dc**

- prominently high luminaire efficacy, up to 140 lm/W
- Zone 2 and Zone 22 certificate
- 3 different length: 545; 990 and 1426 mm
- CRI>80
- 3 available CCT: 3000; 4000 and 5000K

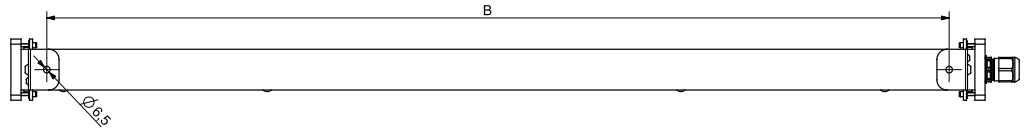
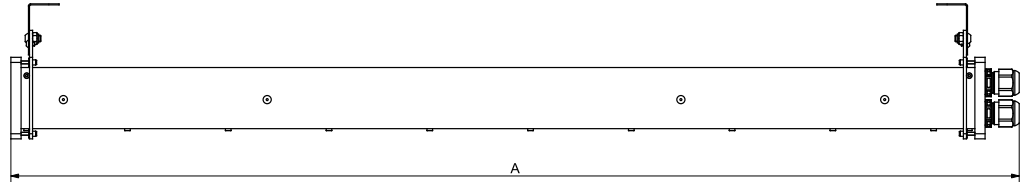
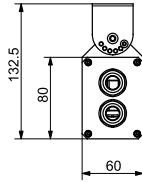
- Samsung LED light source
- Tridonic LED driver
- high quality materials
- different available mounting accessories
- ideal for replacing traditional fluorescent luminaires

Type of luminaire	Ex Zone	Ex protection mode	Gas/Dust group	Power consumption	Luminous flux of luminaire*	Ex thermal class	Weight
ExProof Linear X3 Z2	Z2	nR	IIC	21W	2937lm**	T6	1,8kg
ExProof Linear X6 Z2	Z2	nR	IIC	42W	5874lm**	T6	3,4kg
ExProof Linear X8 Z2	Z2	nR	IIC	63W	8811lm**	T6	4kg
ExProof Linear X8+ Z2	Z2	nR	IIC	75W	10446lm**	T6	4kg
ExProof Linear X3 Z22	Z22	tc	IIIC	21W	2937lm**	T85°C	2,4kg
ExProof Linear X6 Z22	Z22	tc	IIIC	42W	5874lm**	T85°C	3,4kg
ExProof Linear X8 Z22	Z22	tc	IIIC	63W	8811lm**	T85°C	4kg
ExProof Linear X8+ Z22	Z22	tc	IIIC	75W	10446lm**	T85°C	4kg

\*the luminous flux depends on CCT and CRI

\*\* at ta=25°C ambient temperature

**Made in Hungary****Kermann Technical Developer Co. Ltd.**  
Hungary, H-1149 Budapest, Angol str 32. 4th building 2nd floore-mail: [kermann-ex@kermann-ex.com](mailto:kermann-ex@kermann-ex.com)  
[www.kermann-ex.com](http://www.kermann-ex.com)

**KERMANN****Kermann ExProof Linear X product line**

Dimension	A/mm	B/mm
X3	545	440,5
X6	990	885,5
X8	1426	1321,5

**Maximal number of luminaires connected to 1 circuit breaker**

Type of luminaire	Inrush current	Type	max number of luminaires			
			10A	13A	16A	20A
ExProof Linear X3	21A / 126 µs	B	23	30	36	46
		C	35	50	60	76
ExProof Linear X6	31A / 175 µs	B	14	18	23	28
		C	23	30	38	46
ExProof Linear X8	35A / 240 µs	B	10	13	16	20
		C	16	21	26	33

The maximum number of luminaires connected to 1 circuit breaker may differ depending on the certain type of the circuit breaker. In each individual case, get contact with the circuit breaker's manufacturer!



Linear X Z2 product line is equipped with LED light source. Thanks to the high quality design, the lifetime of the luminaire is very long, more than 54.000 hrs. The service costs are extremely low. A universal mounting bracket is included with the luminaire, which enables easy mounting on ceiling. There are different available mounting accessories too, which permit of wall mounting, hanging or mounting on pipe bridges, lighting poles.

Nominal supply voltage:	220-240V AC 50/60Hz / 220V DC
Power factor:	>0,9
CCT	4000K
Optional CCT	3000K,5000K
CRI:	>80 CRI
Beam angle:	120°
IP class:	IP 66
IK class:	IK 09
Electric protection:	CLASS I (protective earth)
Surface treatments:	Powder coating
Materials:	Aluminium, galvanized steel, PC
Lifetime: L70	>54 000 hrs
Ambient temperature:	-20°C - +50°C

The given information is for rough orientation only! In each individual case a lighting design is necessary! Subject to technical changes, misprints and errors.

Rev.:2021.02.

**Kermann Technical Developer Co. Ltd.**  
Hungary, H-1149 Budapest, Angol str 32. 4th building 2nd floor

e-mail: kermann-ex@kermann-ex.com  
www.kermann-ex.com