TrEx



ADVANTAGES

- Light fitting protection **IP66**
- High temperature resistance on a range from **t_a = -40 °C to t_a = 55 °C**
- For hazardous areas of zones 1, 21 and 2, 22
- Lifetime: 75 000 hours / L80B50 at t_a = 55°C, 110 000 hours / L70B50 at t_a = 55°C
- Cable glands: plastic ATEX M20 × 1,5, or metallic (INOX version on request)
- Wide fixing options including recessed frame for false ceiling
- Up to 45 % lower power consumption as compared to fluorescent tubes
- Constant luminous flux even at ambient temperature of -40°C
- Standard model CRI > 80: 4000 K, at request CRI > 80: 3000 K, 5000 K, 5700 K
- Optional through-wiring of up to 7 wires at reflector

IP66 | up to t_a 55°C | up to t_a -40°C | 850°C | IK 10 | LED | 220-240 V 50/60 Hz | 1F | 3F | EMERGENCY | CRI >80 | CCT 4000 K 3 SDCM | CE 2261 | Ex | D

... for explosion hazard environment group II, category 2 (zone 1, 21 and 2, 22).

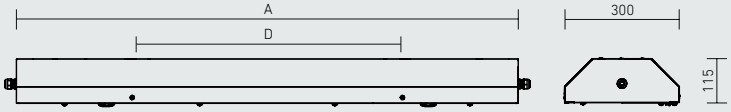
USE

The metal light fitting with satinated tempered safety glass is suitable for environment with hazard of explosion of gases, vapours and dust for zones 1, 21 and 2,22. It meets the requirements of the European Community Directive No. 2014/34/EU. It is resistant against chemically aggressive environment, therefore it fits for industrial premises like chemical factories, plants for processing of gases and oil, power plants, army facilities, automotive factories, laboratories and other facilities of heavy and mechanical engineering. The light fitting in IP66 protection is resistant against dust and splashing water.

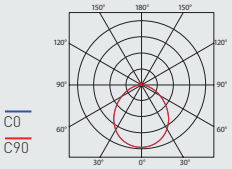
USE IN ENVIRONMENT WITH HAZARD OF EXPLOSION

TÜV CY 21 ATEX 0206562X	Light fitting with disconnector Light fitting Mxh with disconnector	Ex II 2G Ex db eb mb op is IIC T4 Gb Ex II 2D Ex tb IIIC T68°C Db
	Light fitting without disconnector Light fitting Mxh without disconnector	Ex II 2G Ex eb mb op is IIC T4 Gb Ex II 2D Ex tb IIIC T68°C Db
AR19ATEX131U	Ex battery box HM 4Ah	Ex II 2G Ex d IIC T4 Gb
TÜV CY 20 ATEX 0206368 U	Ex disconnector OT 2A-2C Ex d	Ex II 2G Ex db IIC Gb

The basic requirements for safety and health protection are secured by verification of conformity with EN 60079-0, EN 60079-7, EN 60079-18, EN 60079-1, EN 60079-28 and EN 60079-31.



TrEx 1.4ft



Type	Min. and max. ambient temperature [°C]	Luminous flux of LED modules [lm]	Luminous flux of light fitting [lm]	System input [W]	System efficiency [lm/W]	Net weight [kg]	A [mm]	D [mm]
Light fitting without a battery system								
TrEx 1.2ft 3200/840	-40 / 55	2800	2350	19	123	8,3	730	350
TrEx 1.2ft 4400/840	-40 / 55	4000	3360	27	124	8,3	730	350
TrEx 1.4ft 6400/840	-40 / 55	5600	4700	35	134	14,6	1300	700
TrEx 1.4ft 8800/840	-40 / 55	8000	6720	50	134	14,6	1300	700
TrEx 1.5ft 8000/840	-40 / 55	7000	5880	40	147	17,3	1580	700
TrEx 1.5ft 11000/840	-40 / 55	10000	8400	59	142	17,3	1580	700
TrEx 2.2ft 6400/840	-40 / 55	5600	4700	35	134	8,9	730	350
TrEx 2.2ft 8800/840	-40 / 50	8000	6720	50	134	8,9	730	350
TrEx 2.4ft 12800/840	-40 / 55	11200	9400	67	140	16,0	1300	700
TrEx 2.4ft 17600/840	-40 / 50	16000	13440	100	134	16,0	1300	700
TrEx 2.5ft 16000/840	-40 / 55	14000	11760	80	147	18,9	1580	700
TrEx 2.5ft 22000/840	-40 / 50	20000	16800	121	138	18,9	1580	700

Type	Min. and max. ambient temperature [°C]	Emergency light fluxof light fitting 1h [lm]	Emergency light fluxof light fitting 3h [lm]	Power in standby mode [W]	Battery type	Net weight [kg]
EM emergency lighting kit						
TrEx 1.2ft 4400/840 Mxh	0 / 40	990	630	2	NiCd HT	+1,3
TrEx 1.4ft 8800/840 Mxh	0 / 40	790	580	2	NiCd HT	+1,3