



# EXTRA-Ex-LED

IP 66 / Ex zone 1, 2I

**5 year warranty**



FTZÚ 16 ATEX 0167X



**Application:** The dustproof lighting fixture EXTRA-Ex-LED with splash water resistance is designed for lighting of areas with danger of explosion. The lighting fixture is certified by FTZU Ostrava-Radvanice (certificate type FTZU 16 ATEX 0167X).

**Ballast:** EP – electronic 110 – 254 V, 50/60 Hz AC, EP – electronic, 220 – 250 V, 0 Hz DC

**Light source:** LED, 4000K, CRI +80

**Housing:** Plastic material PC (polycarbonate), grey colour RAL 7035

**Diffuser:** Opal cover PC (polycarbonate)

**Fastening:** Surface ceiling or wall mounting by means of two self-locking fastening brackets (standard equipment) or set of wall brackets - angle 45°, pole mounting via set of pole brackets, suspension by means of wire or cable suspenders.

**Connection:** Screwless three-pole terminal block, maximum diameter of wires 4 mm<sup>2</sup>

**Standard equipment:** 1pc EX plastic cable gland M20x1.5 (as a standard for diameter of cable 7-12mm), 1 pc EX plastic plug M20x1.5, 2 pcs stainless steel fastening bracket-AISI 304, stainless clips, double cable clip.

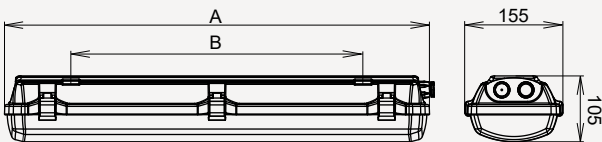
**Calculated lifetime – LED modules:**

L80B50 ta50 – 60 000h

**EXTRA-Ex-LED, MULTIEXTRA-Ex-LED, EXTRA-Ex-LED-Em**

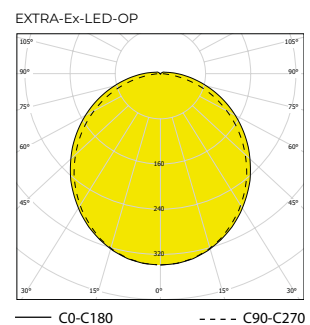
Ⓜ II 2G Ex eb mb op is IIC T4 Gb

Ⓜ II 2D Ex tb op is IIIC T67°C Db



Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	Rated power output (lm/W)	Ta max (°C)	Dimensions of lighting fixture A (mm)	Mounting spacing B (mm)	Weight (kg)
050610	EXTRA-Ex-LED-OP-4000-218-4K	3139	28	112	50	670	460	3,4
050611	EXTRA-Ex-LED-OP-8000-236-4K	6561	53	124	50*	1280	880	5,6

Tolerance of luminous flux and power input of the lighting fixture +/- 10%  
\* in version for 110V 50/60 Hz declared for ta 40°C



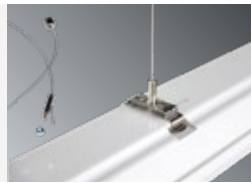
For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress, we recommend to use the fixtures series PITBUL-EX-LED, AQUA-EX-LED, EXTEND-EX-LED

Lighting fixtures for areas with danger of explosions

## Accessories on request



001696 Wire suspension EXTRA



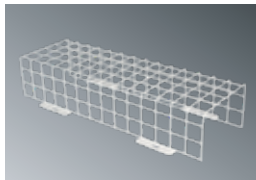
051131 Cable suspension EXTRA-2x (3m)



064643 Set of brackets to a wall - angle 45° EXTRA (2 pcs)



051157 Pole bracket EXTRA (for Ø 50 mm)



001748 LAK Protective cage EXTRA 18W  
001749 LAK Protective cage EXTRA 36W  
001750 LAK Protective cage EXTRA 58W

### Standard accessories M20

008060	Plastic cable gland Ex M20x1.5
007047N	Flat sealing ring EPDM 27x18.5x1.5 mm
008090	Plastic sealing plug Ex M20x1.5
008097	Plastic nut WISKA EMUG 20 M20x1.5

### Accessories for armoured cable M20

008052	Cable gland BIMED M20x1.5 ORION UNIVERSAL (8+/- 0.5Nm)
008091	Sealing plug WISKA EMVS20 M20x1.5 Ex-nickel-plated brass
008093	Nut WISKA EMMU20 M20x1.5 -nickel-plated brass
007047N	Flat sealing ring EPDM 27x18.5x1.5 mm

### Nickel-plated accessories M20

008092	Cable gland WISKA EMSKE20 M20x1.5 Ex-nickel-plated brass ( 8 Nm)
008093	Nut WISKA EMMU20 M20x1.5 - nickel-plated brass
008091	Sealing plug WISKA EMVS20 M20x1.5 Ex-nickel-plated brass
007047N	Flat sealing ring EPDM 27x18.5x1.5 mm

## Lighting fixture detail



## Marking system and overview of approved variants of lighting fixtures

EXTRA-Ex-LED-XXXX-YYY	lighting fixture type for standard operation
MULTIEXTRA-Ex-LED-XXXX-YYY	lighting fixture type for maintained emergency lighting
EXTRA-Ex-LED-Em-XXXX-YYY	lighting fixture type for non-maintained emergency lighting
XXXX*	indicates value of luminous flux (lumen) 4000/8000
YYY*	indicates the type of lighting fixture housing 218/236

## On request

**EM-1.5/3** - non-maintained emergency lighting

**MULTI-1.5/3** - maintained emergency lighting

**1/3 F** - single-phase or three phase through wiring connection, max. diameter of wires 4 mm<sup>2</sup>

**3000 / 4000 / 6000 K** - colour temperature

Standard order number	EM-1,5H	EM-3H	MULTI-1,5H	MULTI-3H	DALI	1F	3F
050610	X	X	X	X	X	050610 1F	050610 3F
050611	050612	050613	050614	050615	X	050611 1F	050611 3F

### Use of lighting fixtures in areas with danger of explosion

Danger of explosion of flammable dust

Danger of explosion of flammable gases and vapours

### Marking of external influences

BE3N1

BE3N1

### Marking

ZONE 21.22

ZONE 1.2

### Area classification

#### Directive

ČSN EN 60079-14, ČSN EN 60079-10-2

ČSN EN 60079-14, ČSN EN 60079-10-1

## STL International Ltd

Hill Farm, Linton Hill, Maidstone, Kent, ME17 4AL, UK T. +44 (0)1622 749633 eMail. solutions@stl-int.co.uk Web. www.stl-int.co.uk