

# EXTEND-Ex-P-LED

IP 66 /  zone 1, 21



FTZÚ 16 ATEX 0080X



**Application:** Dustproof lighting fixture EXTEND-Ex-P-LED with splash water resistance is designed for lighting of areas with danger of explosion. The lighting fixture is certified by FTZÚ Ostrava-Radvanice (certificate type FTZÚ 16 ATEX 0080X).

**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 GRP (polyester filled with fibreglass), grey colour RAL7035

**Diffuser:** PC (polycarbonate), clear

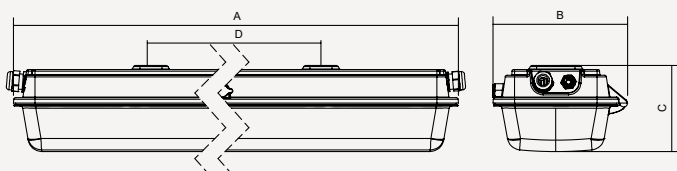
**Fastening:** Direct surface ceiling or wall mounting, ceiling mounting via set of stainless steel ceiling brackets, pole mounting via set of pole brackets, suspension mounting via set of suspension brackets.

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

**Standard equipment:** 1 pc packing cable gland M25x1.5 (as a standard for diameter of cable 12-18mm), 2 pcs sealing plug M25x1.5

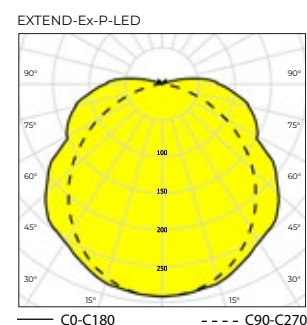
**Calculated lifetime – LED modules:** L80B50 ta55 - 50 000h

| MULTI/EXTEND-Ex-P-LED               | EXTEND-Ex-P-LED-WOD              | EXTEND-Ex-P-LED-Em                  |
|-------------------------------------|----------------------------------|-------------------------------------|
| Ⓜ II 2G Ex db eb mb op is IIC T4 Gb | Ⓜ II 2G Ex eb mb op is IIC T4 Gb | Ⓜ II 2G Ex db eb mb op is IIC T4 Gb |
| Ⓜ II Ex tb op is IIIC T71°C Db      | Ⓜ II Ex tb op is IIIC T71°C Db   | Ⓜ II Ex tb op is IIIC T71°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 x B x C (mm) | Mounting spacing D (mm) | Weight (kg) |
|-------------------------------------|---------------------------------|-------------------------------------|-----------------|---------------------------|-------------|-----------------------------------------------|-------------------------|-------------|
| <b>version with disconnecter</b>    |                                 |                                     |                 |                           |             |                                               |                         |             |
| 053260                              | EXTEND-Ex-P-LED-D-4000-218-4K   | 3158                                | 28              | 113                       | 55          | 728x244x156                                   | 570                     | 5,06        |
| 053261                              | EXTEND-Ex-P-LED-D-8000-236-4K   | 6138                                | 53              | 116                       | 55*         | 1328x244x156                                  | 830                     | 8,1         |
| <b>version without disconnecter</b> |                                 |                                     |                 |                           |             |                                               |                         |             |
| 053262                              | EXTEND-Ex-P-LED-WOD-4000-218-4K | 3158                                | 28              | 113                       | 55          | 728x244x156                                   | 570                     | 4,98        |
| 053263                              | EXTEND-Ex-P-LED-WOD-8000-236-4K | 6138                                | 53              | 116                       | 55*         | 1328x244x156                                  | 830                     | 7,94        |

Tolerance of luminous flux and power input of the lighting fixture +/- 10%  
\* in version for 110V 50/60 Hz declared for ta 45°C



## Accessories on request



051200 Set of ceiling stainless steel brackets EXTEND (2 pcs)-AISI 304



053296 EXTEND set of pole brackets (2pcs)



004642 Suspension bracket DIN 580 M8 - 1 pc

### Standard accessories M25

|        |                                                     |
|--------|-----------------------------------------------------|
| 008061 | Cable gland OBO V-TEC EX M25x1.5 - 2050331 (5.0 Nm) |
| 008089 | Plastic sealing plug Ex M25x1.5                     |
| 008102 | Plastic nut WISKA EMUG 25 M25x1.5 black             |
| 007075 | Flat sealing ring EPDM 32x23.5x1.5 mm               |

### Accessories for armoured cable M25

|        |                                                |
|--------|------------------------------------------------|
| 008056 | BIMED KBA 2M(25) Brass M25x1.5                 |
| 008089 | Plastic sealing plug Ex M25x1.5                |
| 008035 | Nut WISKA EMMU25 M25x1.5 - nickel-plated brass |
| 007075 | Flat sealing ring EPDM 32x23.5x1.5 mm          |

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

|                              |                                          |
|------------------------------|------------------------------------------|
| EXTEND-Ex-P-LED-XXXX-YYY-WOD | - without disconnector                   |
| EXTEND-Ex-P-LED-XXXX-YYY-D   | - with disconnector                      |
| EXTEND-Ex-P-LED-XXXX-YYY-1F  | - single-phase through wiring connection |
| EXTEND-Ex-P-LED-XXXX-YYY-3F  | - three-phase through wiring connection  |

XXXX indicates luminous flux intensity 4000/8000  
YYY indicates type of lighting fixture housing 218/236

## Lighting fixture detail



## On request

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

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

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

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

| Standard order number | EM-1,5H | EM-3H  | MULTI-1,5H | MULTI-3H | DALI | 1F        | 3F        |
|-----------------------|---------|--------|------------|----------|------|-----------|-----------|
| 053260                | 053268  | 053270 | 053264     | 053266   | X    | 053260 1F | 053260 3F |
| 053261                | 053269  | 053271 | 053265     | 053267   | X    | 053261 1F | 053261 3F |
| 053262                | X       | X      | X          | X        | X    | 053262 1F | 053262 3F |
| 053263                | X       | X      | X          | X        | X    | 053263 1F | 053263 3F |

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

#### Marking of external influences

#### Area classification

|                                                    |       | Marking    | Directive                          |
|----------------------------------------------------|-------|------------|------------------------------------|
| Danger of explosion of flammable dust              | BE3N1 | ZONE 21.22 | ČSN EN 60079-14, ČSN EN 60079-10-2 |
| Danger of explosion of flammable gases and vapours | BE3N2 | ZONE 1.2   | ČSN EN 60079-14, ČSN EN 60079-10-1 |