



# FILA-N-LED

IP 66 / zone 2, 21/22

**5 year warranty**



FTZÚ 20 ATEX 0075X, FTZÚ 20 ATEX 0077X



**Application:** The dustproof recessed lighting fixture FILA-N-LED with splash water resistance is designed for areas with danger of explosion. They can be used mainly in paint cabins and paint workshops.

The lighting fixture is approved by FTZÚ Ostrava - Radvanice (certificate type FTZÚ 20 ATEX 0075X and FTZÚ 20 ATEX 0077X).

**Ballast:** EVG – electronic 220-240V/50-60Hz AC, EVG – electronic 220-240V, 0 Hz DC

**Light source:** LED, 4000K, CRI +80, MacAdam3

**Housing:** Painted steel sheet RAL 9003

**Cover:** OP – opal tempered safety glass

**Reflector:** Painted steel sheet RAL 9003

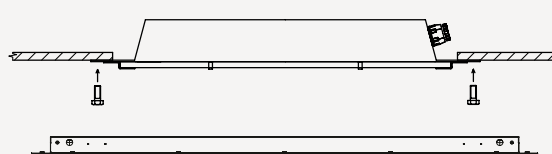
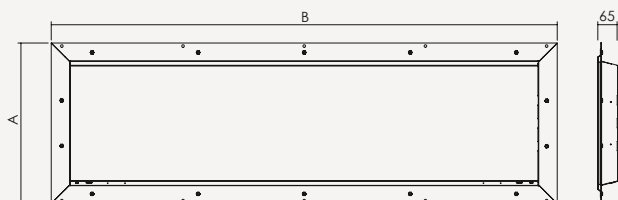
**Fastening:** Recessed ceiling mounting or surface mounting using a mounting frame

**Connection:** Screwed connecting terminal block, maximum cable cross section 2.5 mm<sup>2</sup>

**Standard equipment:** 2x M20 glands for cable diameter 7-12mm and 3x sealing plug

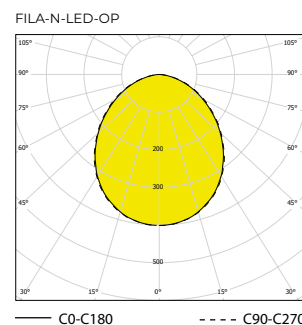
**Calculated life time of LED modules:** L80B10 ta35 – 70 000 h  
L70B10 ta35 – 100 000 h

FILA-N-LED zone 2, 21	FILA-N-LED zone 2, 22
II 3G Ex nR IIC T6 Gc	II 3G Ex nR IIC T6 Gc
2D Ex tb op is IIIC T70°C Db	II 3D Ex tc IIIC T70°C Dc



Order number	Name	Lighting fixture luminous flux (lm)	Power input (W)	System efficiency (lm/W)	Ta max (°C)	Lighting fixture dimensions A x B x C (mm)	Mounting hole (mm)	Weight (kg)
050500	FILA-N-LED-2,21-OP-5000-218-4K	4,372	33	132	65	770x380x65	720x335	9.5
050501	FILA-N-LED-2,21-OP-10000-418-4K	8,847	66	134	50	1370x380x65	1320x335	16.3
050502	FILA-N-LED-2,21-OP-10000-236-4K	9,362	66	142	45	1670x380x65	1620x335	20.9
050503	FILA-N-LED-2,21-OP-18300-436-4K	16,354	117	140	50	770x530x65	720x485	13.4
050504	FILA-N-LED-2,21-OP-15000-258-4K	13,580	101	134	45	1370x530x65	1320x485	22.4
050505	FILA-N-LED-2,21-OP-29000-458-4K	25,692	188	137	40	1670x530x65	1620x485	27.7

Tolerance of luminous flux and power input of the lighting fixture +/- 10%



## Accessories on request

### Standard cable glands M20

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

### Cable glands for armoured cable M25

008056	BIMED KBA 2M(25) nickel-plated 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

### Nickel-plated brass cable glands

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

### Cable glands 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

### Standard cable glands 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

## Lighting fixture detail



## On request

**DIM** - electronic dimming ballast (DALI)

**EM-1,5h/3h** - non-maintained emergency mode

**MULTI-1,5h/3h** - maintained emergency mode

**1/3 F** - single-phase or three-phase through wiring connection, max. conductor cross-section 2.5 mm<sup>2</sup>

**NANO** - lighting fixtures can be protected by a special nanolayer (hydrophobic, oleophobic or antibacterial protection)

**RAL** - another paint colour design

**NEREZ** - housing made of stainless steel

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

**SURFACE VERTICAL** - surface mounted, bevelled vertical wall

**SURFACE HORIZONTAL** - surface mounted, bevelled horizontal wall

**CORNER** - corner installation

**DIAGONAL** - installation under angle

Standard order number	MULTI-1H	MULTI-3H	DALI	1F	3F
050500	050510	050516	050500 DALI	050500 1F	050500 3F
050502	050512	050518	050502 DALI	050502 1F	050502 3F
050504	050514	050520	050504 DALI	050504 1F	050504 3F
050501	050511	050517	050501 DALI	050501 1F	050501 3F
050503	050513	050519	050503 DALI	050503 1F	050503 3F
050505	050515	050521	050505 DALI	050505 1F	050505 3F

Use of lighting fixtures in areas with danger of explosion	Marking of external influences	Area classification	
		Marking	Directive
Danger of explosion of flammable dusts	BE3N1	ZONE 21,22	ČSN EN 60079-14, ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapours	BE3N2	ZONE 2	ČSN EN 60079-14, ČSN EN 60079-10-1