

# FILA-N-LED

IP 66 /  ZONE 2/21, 22



FTZÚ 20 ATEX 0075X, FTZÚ 20 ATEX 0077X



**Application:** The dustproof recessed lighting fixture FILA-N-LED with splash water resistance designed for lighting of 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 a FTZÚ 20 ATEX 0077X).

**Ballast:** EP – 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 9016

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

**Reflector:** Painted steel sheet RAL 9016

**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:** 2 pcs EX M20 cable glands for diameter of cable 7-12mm and 3 pcs EX M20 sealing plug

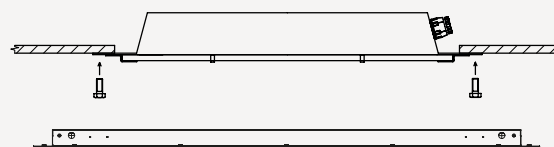
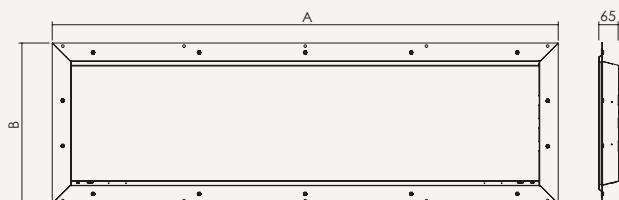
**Calculated life time of LED modules:** L80B10 ta35 – 70 000 h  
L70B10 ta35 – 100 000 h

**FILA-N-LED zone 2, 21**

- Ⓜ II 3G Ex nR IIC T6 Gc
- Ⓜ II 2D Ex tb op is IIIC T70°C Db

**FILA-N-LED zone 2, 22**

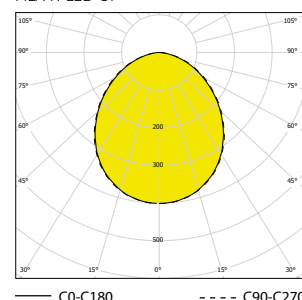
- Ⓜ II 3G Ex nR IIC T6 Gc
- Ⓜ II 3D Ex tc IIIC T70°C Dc



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)
<b>2, 21</b>								
050500	FILA-N-LED-2,21-OP-5000-218-4K	4372	33	132	65	770x380x65	720x335	10,10
050501	FILA-N-LED-2,21-OP-10000-418-4K	8847	66	134	50	770x530x65	720x485	13,85
050502	FILA-N-LED-2,21-OP-10000-236-4K	9362	66	142	50	1370x380x65	1320x335	16,60
050503	FILA-N-LED-2,21-OP-18300-436-4K	16354	117	140	45	1370x530x65	1320x485	23,68
050504	FILA-N-LED-2,21-OP-15000-258-4K	13580	101	134	45	1670x380x65	1620x335	20,78
050505	FILA-N-LED-2,21-OP-29000-458-4K	25692	188	137	40	1670x530x65	1620x485	28,62

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

FILA-N-LED-OP



Lighting fixtures for areas with danger of explosions

## Variants of lighting fixture



STANDARD



050500	FILA-N-LED-2,21-OP-5000-218-4K
050501	FILA-N-LED-2,21-OP-10000-418-4K
050502	FILA-N-LED-2,21-OP-10000-236-4K
050503	FILA-N-LED-2,21-OP-18300-436-4K
050504	FILA-N-LED-2,21-OP-15000-258-4K
050505	FILA-N-LED-2,21-OP-29000-458-4K



CORNER



050530	FILA-N-LED-2,21-OP-CORNER-10000-236-4K
050533	FILA-N-LED-2,21-OP-CORNER-15000-258-4K
050536	FILA-N-LED-2,21-OP-CORNER-29000-458-4K



DIAGONAL



050531	FILA-N-LED-2,21-OP-DIAGONAL-10000-236-4K
050534	FILA-N-LED-2,21-OP-DIAGONAL-15000-258-4K
050537	FILA-N-LED-2,21-OP-DIAGONAL-29000-458-4K



SURFACE



050532	FILA-N-LED-2,21-OP-SURFACE-10000-236-4K
050535	FILA-N-LED-2,21-OP-SURFACE-15000-258-4K
050538	FILA-N-LED-2,21-OP-SURFACE-29000-458-4K



SURFACE VERTICAL



050539	FILA-N-LED-2,21-OP-SURFACE-VERTICAL-15000-258-4K
050541	FILA-N-LED-2,21-OP-SURFACE-VERTICAL-10000-236-4K



SURFACE HORIZONTAL



050540	FILA-N-LED-2,21-OP-SURFACE-HORIZONTAL-15000-258-4K
050542	FILA-N-LED-2,21-OP-SURFACE-HORIZONTAL-10000-236-4K

### On request

**DIM** – dimmable electronic ballast (DALI)

**2.7K-6.5K** - colour temperature

**MULTI-1h/3h** - maintained emergency lighting

**EM-1h/3h** - non-maintained emergency lighting

**RAL** - other colour scale

**NEREZ** - housing produced from stainless steel AISI 304 or AISI 316

(in case of STAINLESS STEEL version its declared for ambient temperature decreased about 5-10°C)

**1/3 F** - single-phase or three phase through wiring connection, maximum diameter of wires 2.5mm<sup>2</sup>

**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