



EXTEND-Ex-P-LED

IP 66



Application: Dustproof luminaire EXTEND-Ex-P-LED with resistance against splashing water is determined for lighting areas with danger of explosion. Luminaire is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 16 ATEX 0080X).

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

Light source: LED, 4000K, CRI +80

Body: Plastic material GRP (polystyrene filled with fiberglass), colour RAL7035

Cover: PC (polycarbonate), transparent

Fastening: Direct fastening on the ceiling or wall with set of ceiling stainless steel brackets, with set of pole brackets or suspension with suspension brackets.

Connection: Screwless terminal block, max. cross section of wires 4,0 mm², light fixture is ready to looping (option to connect two cables, order additional cable gland).

Standard equipment: 1 pc sealing cable gland M25x1,5 (standardly for diameter of cable 12-18mm), 2 pcs sealing plugs M25x1,5, double clamp of cable

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

On request: Em – non-maintained emergency lighting (1,5 h, 3 h)

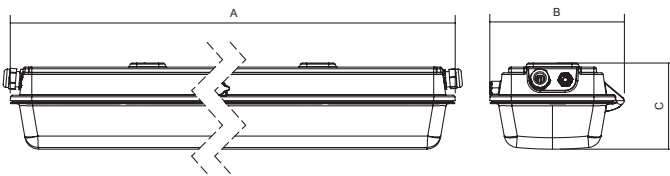
MULTI – maintained emergency lighting (1,5 h, 3 h)

1/3 F – one or three phase through wiring connection

3000K, 4000K, 6000K – temperature of chromaticity

NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 16 ATEX 0080X



		TdA	(lm)*	(W)**	Ax(BxC (mm))
– electronic ballast with disconnecter, -20°C ≤ ta ≤ +55°C***					
053260	EXTEND-Ex-P-LED-D-4000-218-4K	4000K	3158	28	728 x 244 x 156
053261	EXTEND-Ex-P-LED-D-8000-236-4K	4000K	5812	53	1328 x 244 x 156
– electronic ballast without disconnecter, -20°C ≤ ta ≤ +55°C***					
053262	EXTEND-Ex-P-LED-WOD-4000-218-4K	4000K	3158	28	728 x 244 x 156
053263	EXTEND-Ex-P-LED-WOD-8000-236-4K	4000K	5812	53	1328 x 244 x 156
– non-maintained emergency mode, duration 1,5h; 3h, ta 0°C ≤ ta ≤ +50°C					
053268	EXTEND-Ex-P-Em-LED-600-218-4K; 1,5h	4000K	474	4	728 x 244 x 156
053270	EXTEND-Ex-P-Em-LED-400-218-4K; 3h	4000K	316	3	728 x 244 x 156
– non-maintained emergency mode, duration 1,5h; 3h, ta 0°C ≤ ta ≤ +50°C					
053269	EXTEND-Ex-P-Em-LED-900-236-4K; 1,5h	4000K	759	5	1328 x 244 x 156
053271	EXTEND-Ex-P-Em-LED-500-236-4K; 3h	4000K	419	3	1328 x 244 x 156
– maintained emergency mode, duration 1,5h;3h, ta 0°C ≤ ta ≤ +35°C					
053264	MULTIEXTEND-Ex-P-LED-4000-218-4K; 1,5h	4000K	3158	28	728 x 244 x 156
053266	MULTIEXTEND-Ex-P-LED-4000-218-4K; 3h	4000K	3158	28	728 x 244 x 156
– maintained emergency mode, duration 1,5h;3h, ta 0°C ≤ ta ≤ +40°C					
053265	MULTIEXTEND-Ex-P-LED-8000-236-4K; 1,5h	4000K	5812	53	1328 x 244 x 156
053267	MULTIEXTEND-Ex-P-LED-8000-236-4K; 3h	4000K	5812	53	1328 x 244 x 156
– accessories to order					
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				
004996	Gola key hexagonal 1/4" 13mm				

(lm)* - luminous flux, (W)** - input power *** - for 110V, 50/60Hz ta 45°C

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 21,22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA 1,2	ČSN EN 60079-14 ČSN EN 60079-10-1

EXTEND-Ex-P-LED	EXTEND-Ex-P-LED-WOD
⊕ II 2G Ex db eb mb op is IIC T4 Gb	⊕ II 2G Ex eb mb op is IIC T4 Gb
⊕ II 2D Ex tb op is IIIC T 71°C Db	⊕ II 2D Ex tb op is IIIC T 71°C Db

System of marking

EXTEND-Ex-P-LED-XXXX-YYY-WOD	- without disconnecter
EXTEND-Ex-P-LED-XXXX-YYY-D	- with disconnecter
EXTEND-Ex-P-LED-XXXX-YYY-1F	- with one-phase through wiring connection
EXTEND-Ex-P-LED-XXXX-YYY-3F	- with three-phase through wiring connection

xxxx - means luminous flux 4000/8000

YYY - means type of used housing 218/236



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ČVUT - Faculty of Electrical Engineering cooperated on this project