



LIGHTING FIXTURES FOR POTENTIALLY EXPLOSIVE ATMOSPHERES





SETR-Exd

IP 65



Application: SETR-Exd dustproof light fixture is designed for premises with danger of explosion – mines with occurrence of methane IM2Exsl Mb. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 11 ATEX 0291X).

Ballast: / - electromagnetic ballast 230 V/50 Hz, with parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)
LED – 90-260 V/50-60 Hz AC, 130-260 V DC

Body: Casting made of ductile cast iron RAL7035 with protective cage

Reflector: White painted metal sheet RAL9003

Fastening: Suspension grip

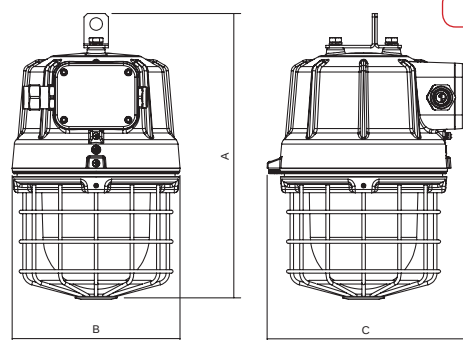
Connection: WAGO-Ex terminal block, max. diameter of wires 4,0 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 1 pc suspension grip

On request: RAL – another colour finishing

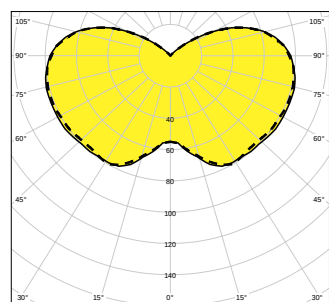
1/3 F – one or three phase through-wiring connection

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



FTZÚ 11 ATEX 0291X

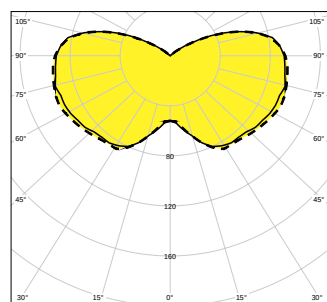
SETR-Exd-125R, 1x125W, IP65



— C0-C180

---- C90-C270

SETR-Exd-110S, 1x110W, IP65



— C0-C180

---- C90-C270

– electronic ballast, -20°C ≤ t_a ≤ +40°C			
053550	SETR-Exd-50R, 1x50W	HME/E27	408 x 220 x 281
053551	SETR-Exd-80R, 1x80W	HME/E27	408 x 220 x 281
053552	SETR-Exd-125R, 1x125W	HME/E27	408 x 220 x 281
053553	SETR-Exd-50S/I, 1x50W	HSE/E27	408 x 220 x 281
053554	SETR-Exd-70S/I, 1x70W	HSE/E27	408 x 220 x 281
053574	SETR-Exd-100S, 1x100W	HSE/E40	408 x 220 x 281
053555	SETR-Exd-110S, 1x110W	HSE/E27	408 x 220 x 281
053566	SETR-Exd-118, 1x18W	TC-D / TC-T	408 x 220 x 281
053567	SETR-Exd-126, 1x26W	TC-D / TC-T	408 x 220 x 281
053562	SETR-Exd-compact max.23W	E27	408 x 220 x 281
– LED version, -20°C < t_a < +40°C			
053576	SETR-Exd-LED-4000-4K	LED	408 x 220 x 281
– LED version, -20°C < t_a < +50°C			
053575	SETR-Exd-LED-2000-4K	LED	408 x 220 x 281
– inductive ballast, -40°C < t_a < +60°C			
053560	SETR-Exd-HAL max. 1x205W	E27	408 x 220 x 281
053561	SETR-Exd-mixed discharge lamp 160W		408 x 220 x 281
– electronic ballast, -20°C < t_a < +40°C			
053563	SETR-Exd-126-EP, 1x26W	TC-DEL/	408 x 220 x 281
053564	SETR-Exd-132-EP, 1x32W	TC-TEL	408 x 220 x 281
053565	SETR-Exd-142-EP, 1x42W		408 x 220 x 281

S/I – necessary to use lamp with internal ignitor

– non-maintained emergency mode, duration 1h, 0°C < t_a < +40°C			
053572	SETR-Exd-Em-118, 1x18W	TC-DEL	408 x 220 x 281
053573	SETR-Exd-Em-126, 1x26W		408 x 220 x 281
– electronic ballast, maintained emergency mode, duration 1h, 0°C < t_a < +30°C			
053570	MULTISETR-Exd-126-EP, 1x26W	TC-D/DEL	408 x 220 x 281
– inductive ballast, maintained emergency mode, duration 1h, 0°C < t_a < +30°C			
053571	MULTISETR-Exd-126, 1x26W	TC-D/DEL	408 x 220 x 281
– special equipment			
053556	Set of ceiling brackets SETR-Exd		

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	Formation prescription
Mines with methane occurrence	M2		CSN EN 1127
Danger of explosion of flammable dust	BE3N1	ZONE 21	CSN EN 60079-14 CSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONE 1	CSN EN 60079-14 CSN EN 60079-10-1

SETR-Exd	SETR-Exd-P
Ⓜ I M2 Ex d I Mb	
Ⓜ II 2G Ex d IIB T3 Gb	Ⓜ II 2G Ex d e IIC T3 Gb
Ⓜ II 2D Ex tb IIIC T 135°C Db	Ⓜ II 2D Ex tb IIIC T 135°C Db

EXTRA-Ex-LED

IP 66



Application: premises with danger of explosion. Lighting fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 16 ATEX 0167X).

Ballast: electronic 110 – 254 V, 50/60 Hz, 220 – 250 V, 0 Hz

Body: Plastic material **PC** (polycarbonate), grey colour RAL7035

Cover: Plastic opal material **PC** (polycarbonate)

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment)

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; lighting fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

Lifetime: L80B10/50 00 h/35 °C

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

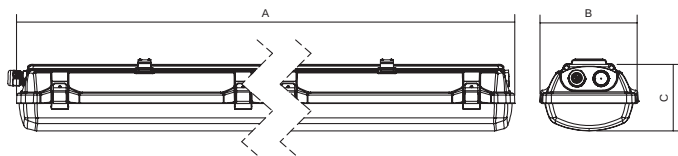
MULTI – maintained emergency lighting (1,5 h, 3 h)

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

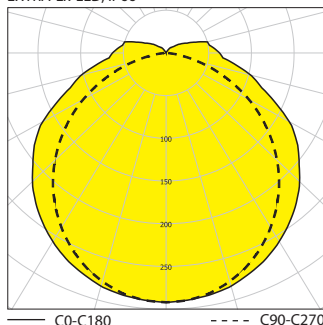
3000 K, 5000 K, 6000 K – colour temperature

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

FTZÚ 16 ATEX 0167X



EXTRA-Ex-LED, IP66



		Td/A	(lm)*	(W)**	AsBxC (mm)
-20°C < ta <= +50°C					
055290	EXTRA-Ex-LED-2500-218-4K	4000	2360	28	670 x 155 x 105
055291	EXTRA-Ex-LED-5000-236-4K	4000	4650	55	1280 x 155 x 105

- maintained emergency mode 1,5h;3h, 0°C < ta <= +40°C					
055294	MULTIEXTRA-Ex-LED-5000-236-4K, 1h	4000	4650/10%	55	1280 x 155 x 105
055295	MULTIEXTRA-Ex-LED-5000-236-4K, 3h	4000	4650/5,5%	55	1280 x 155 x 105

- non-maintained emergency mode 1,5h;3h, 0°C < ta <= +40°C					
055292	EXTRA-Ex-Em-LED-5000-236-4K, 1h	4000	476	-	1280 x 155 x 105
055293	EXTRA-Ex-Em-LED-5000-236-4K, 3h	4000	260	-	1280 x 155 x 105

- special equipment

008060	Cable gland Ex M20x1,5
008090	Sealing plug Ex M20x1,5
008097	Plastic nut WISKA EMUG 20 M20x1,5

(lm)* - luminous flux, (W)** - input power

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

EXTRA-Ex-LED

Ⓜ II 2G Ex eb mb op is IIC T4 Gb

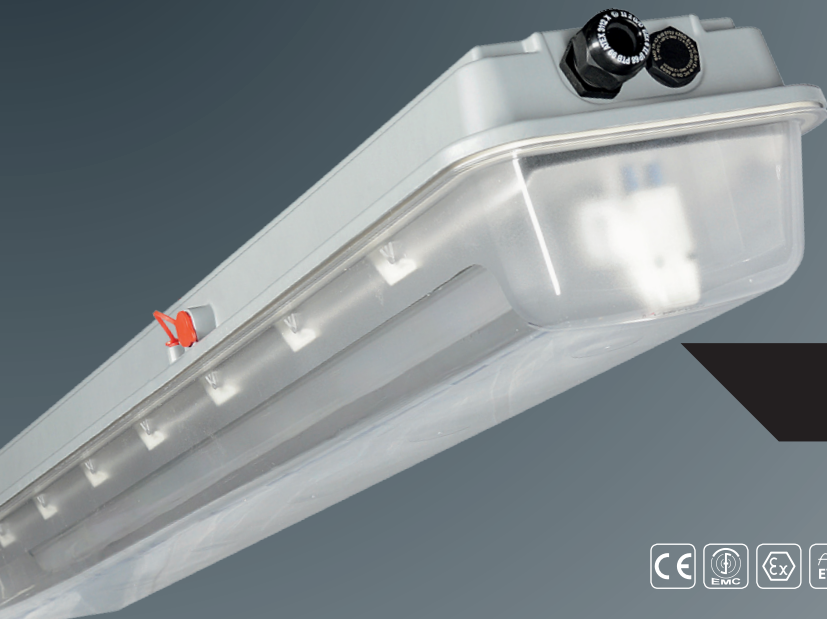
Ⓜ II 2D Ex tb IIIC T67°C Db

Type marking

EXTRA-Ex-LED-XXXX-YYY	type for standard operation
MULTIEXTRA-Ex-LED-XXXX-YYY	type for maintained emergency mode
EXTRA-Ex-Em-LED-XXXX-YYY	type for non-maintained emergency mode
XXXX*	luminous flux (lumen) 2500/5000
YYY*	type pf used housing 218/236



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



EXTEND-Ex-P-LED

IP 66



Application: premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 16 ATEX 0167X).

Ballast: Electronic ballast 220 – 250 V, 0 Hz DC
Electronic ballast 110 – 254 V, 50/60 Hz AC

Body: Plastic material GRP (polysty filled with fibreglass), grey colour RAL7035

Cover: Plastic material PC (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL9003

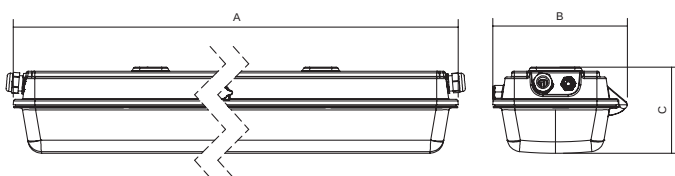
Fastening: Direct fastening on the carrier base, fastening on ceiling or wall by means of set of ceiling brackets or suspension with suspension brackets.

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²; light fixture is ready to connect two wires (order additional cable gland)

Lifetime: : L80B10/50 00 h/40 °C

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
3000 K, 5000 K, 6000 K – colour temperature
1/3 F – one or three phase through-wiring connection
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 10 ATEX 0080X



		T _a	(lm)*	(W)**	A _{ULC} (mm)
– electronic ballast with disconnecter, -20°C ≤ ta ≤ +55°C					
054720	EXTEND-Ex-P-LED-D-2500-218-4K	4000K	2307	28	728 x 244 x 154
054721	EXTEND-Ex-P-LED-D-5000-236-4K	4000K	4454	55	1328 x 244 x 154
– electronic ballast without disconnecter, -20°C ≤ ta ≤ +55°					
054730	EXTEND-Ex-P-LED-WOD-2500-218-4K	4000K	2307	28	728 x 244 x 154
054731	EXTEND-Ex-P-LED-WOD-5000-236-4K	4000K	4454	55	1328 x 244 x 154
– non-maintained emergency mode, duration 1,5h; 3h, ta 0°C ≤ ta ≤ +35°C					
054726	EXTEND-Ex-P-Em-LED-2500-218-4K, 1,5h	4000K	2307	28	728 x 244 x 154
054728	EXTEND-Ex-P-Em-LED-2500-218-4K, 3h	4000K	2307	28	728 x 244 x 154
– non-maintained emergency mode, duration 1,5h; 3h, ta 0°C ≤ ta ≤ +45°C					
054727	EXTEND-Ex-P-Em-LED-5000-236-4K, 1,5h	4000K	4454	55	1328 x 244 x 154
054729	EXTEND-Ex-P-Em-LED-5000-236-4K, 3h	4000K	4454	55	1328 x 244 x 154
– maintained emergency mode, duration 1,5h; 3h, ta 0°C ≤ ta ≤ +35°C					
054722	MULTIEXTEND-Ex-P-LED-2500-218-4K, 1,5h	4000K	2307	28	728 x 244 x 154
054724	MULTIEXTEND-Ex-P-LED-2500-218-4K, 3h	4000K	2307	28	728 x 244 x 154
– maintained emergency mode, duration 1,5h; 3h, ta 0°C ≤ ta ≤ +45°C					
054723	MULTIEXTEND-Ex-P-LED-5000-218-4K, 1,5h	4000K	4454	55	1328 x 244 x 154
054725	MULTIEXTEND-Ex-P-LED-5000-236-4K, 3h	4000K	4454	55	1328 x 244 x 154
– special equipment					
051139	Set of ceiling brackets EXTEND (2pcs)				
004642	EXTEND set of pole brackets (2pcs)				

(lm)* - luminous flux, (W)** - input power

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	ZÓNA 21,22 ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZÓNA 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 IIIC T 71°C Db	Ⓜ II 2D Ex tb IIIC T 71°C Db

System of marking

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

xxxx - means luminous flux 2500/5000

YYY - means type of used housing 218/236



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This project has been realized with the financial support from the national budget through the Ministry of Industry and Trade

ČVUT - Faculty of Electrical Engineering cooperated on this project

EXTEND-Ex-P

IP 66



Application: dustproof light fixture with resistance against water jets is designed for premises with danger of explosion. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 10 ATEX 0229X).

Ballast: Electronic ballast 220-250 V/50-60 Hz AC, 220-250 V
Electronic ballast 110-127 V/50-60 Hz AC, 110-127 V DC

Body: Plastic material GRP (polyester filled with fibreglass), grey colour RAL7035

Cover: Plastic material PC (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL9003

Fastening: Direct fastening on the carrier base, fastening on ceiling or wall by means of set of ceiling brackets or suspension with suspension brackets.

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²; light fixture is ready to connect two wires (order additional cable gland)

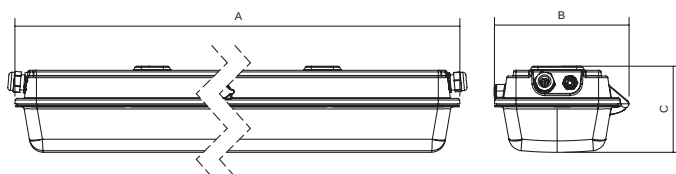
Standard equipment: 1 pc sealing cable gland, 2 pcs sealing plug, double clamp of wire

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

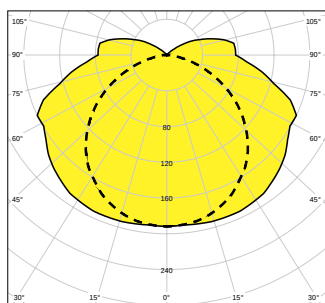
MULTI – maintained emergency lighting (1 h, 3 h)

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

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



EXTEND-Ex-P, 2x36W, IP66



CO-C180 C90-C270

FTZÚ 10 ATEX 0229X

This project has been realized with the financial support from the national budget through the Ministry of Industry and Trade

ČVUT - Faculty of Electrical Engineering cooperated on this project



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EUROPEAN REGIONAL DEVELOPMENT FUND

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		AbxC (mm)
– electronic ballast without disconnecter, -20°C ≤ ta ≤ +50°C		
054702	EXTEND-Ex-P-158-WOD, 1x58W	1628 x 244 x 154
054703	EXTEND-Ex-P-258-WOD, 2x58W	1628 x 244 x 154
– electronic ballast with disconnecter, -20°C ≤ ta ≤ +50°		
054706	EXTEND-Ex-P-158-D, 1x58W	1628 x 244 x 154
054707	EXTEND-Ex-P-258-D, 2x58W	1628 x 244 x 154
– electronic ballast without disconnecter, -20°C ≤ ta ≤ +60°C		
054700	EXTEND-Ex-P-118-WOD, 1x18W	728 x 244 x 154
054701	EXTEND-Ex-P-218-WOD, 2x18W	728 x 244 x 154
053240	EXTEND-Ex-P-136-WOD, 1x36W	1328 x 244 x 154
053241	EXTEND-Ex-P-236-WOD, 2x36W	1328 x 244 x 154
– electronic ballast with disconnecter, -20°C ≤ ta ≤ +60°C		
054704	EXTEND-Ex-P-118-D, 1x18W	728 x 244 x 154
054705	EXTEND-Ex-P-218-D, 2x18W	728 x 244 x 154
053250	EXTEND-Ex-P-136-D, 1x36W	1328 x 244 x 154
053251	EXTEND-Ex-P-236-D, 2x36W	1328 x 244 x 154
– non-maintained emergency mode, duration 1,5h, ta 0 ≤ ta ≤ 40°C		
054710	EXTEND-Ex-P-118-Em, 1x18W, 1,5h	728 x 244 x 154
053252	EXTEND-Ex-P-136-Em, 1x36W, 1,5h	1328 x 244 x 154
054711	EXTEND-Ex-P-158-Em, 1x58W, 1,5h	1628 x 244 x 154
– electronic ballast, maintained emergency mode, duration 1,5h, ta 0 ≤ ta ≤ 40°C		
054716	MULTIEXTEND-Ex-P-118-D, 1x18W, 1,5h	728 x 244 x 154
054717	MULTIEXTEND-Ex-P-218-D, 2x18W, 1,5h	728 x 244 x 154
053254	MULTIEXTEND-Ex-P-136-D, 1x36W, 1,5h	1328 x 244 x 154
053255	MULTIEXTEND-Ex-P-236-D, 2x36W, 1,5h	1328 x 244 x 154
054718	MULTIEXTEND-Ex-P-158-D, 1x58W, 1,5h	1628 x 244 x 154
054719	MULTIEXTEND-Ex-P-258-D, 2x58W, 1,5h	1628 x 244 x 154
– special equipment		
051139	Set of ceiling brackets EXTEND (2pcs)	
004642	EXTEND set of pole brackets (2pcs)	

Application of light fixtures in areas with danger of explosion

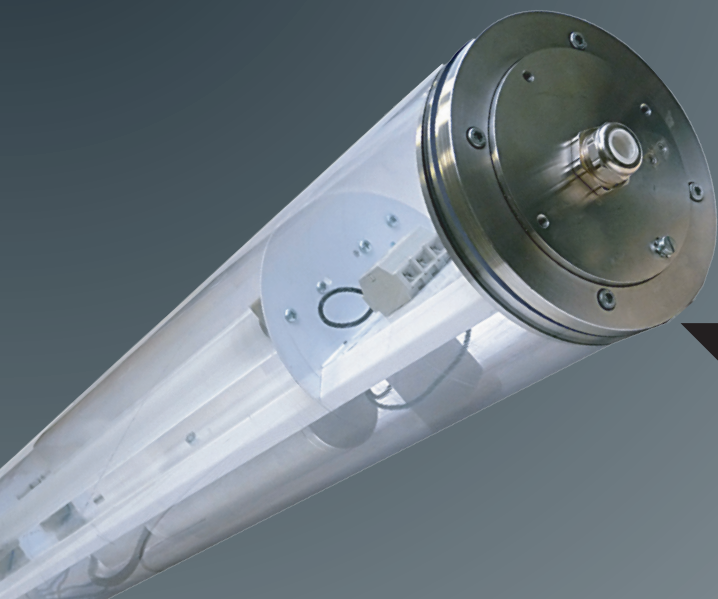
	Marking of external influences	Classification areas	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA 1	ČSN EN 60079-14 ČSN EN 60079-10-1

EXTEND-Ex-P	EXTEND-Ex-P-WOD
Ⓜ II 2G Ex db e mb IIC T4 Gb	Ⓜ II 2G Ex e mb IIC T4 Gb
Ⓜ II 2D Ex tb IIIC T 72°C Db, IP66	Ⓜ II 2D Ex tb IIIC T 72°C Db, IP66

System of marking and overview of the approved variant of light fixtures

EXTEND-Ex-P-yy-WOD	EXTEND-Ex-P without disconnecter
EXTEND-Ex-P-y36-D	EXTEND-Ex-P with disconnecter
EXTEND-Ex-P-y36-1P	EXTEND-Ex-P+ with one-phase through wiring connetion
EXTEND-Ex-P-x36-3P	EXTEND-Ex-P+ with three-phase through wiring connetion

y – marking number of lamps (1 / 2)



EXTEND-Ex-T

IP 67



Application: premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 10 ATEX 0144X).

Ballast: Electronic ballast 220-250 V/50-60 Hz AC, 220-250 V
Electronic ballast 110-127 V/50-60 Hz AC, 110-127 V DC

Body: Plastic tube with outer diameter of 150 mm and wall thickness of 3 mm made from PC (polycarbonate), transparent colour; stainless steel sealing plugs at the ends of tube

Reflector: White painted metal sheet RAL9003

Fastening: Direct fastening on the carrier base with mounting brackets, fastening on ceiling or wall by means of set of ceiling brackets or suspension with suspension brackets.

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

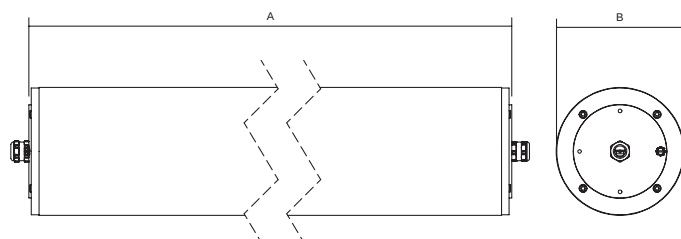
Standard equipment: 1 pc stainless steel sealing cable gland, 1 pc stainless steel sealing plug, 2 pcs mounting bracket

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

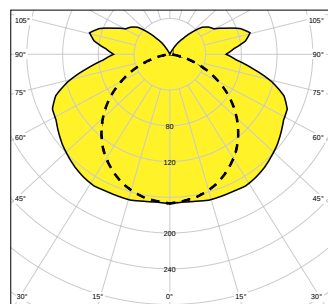
MULTI – maintained emergency lighting (1 h, 3 h)

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

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



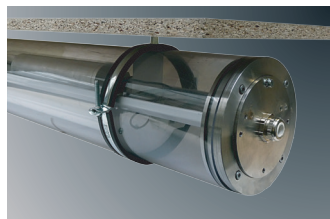
EXTEND-Ex-T, 2x36W, IP67



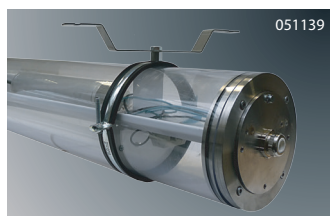
— C0-C180

--- C90-C270

FTZÚ 10 ATEX 0144X



004642



051139

			AxB (mm)
– electronic ballast without disconnecter, -20°C ≤ ta ≤ +40°C			
053266	EXTEND-Ex-T-118-WOD, 1x18W	T26/G13	985 x 150
053267	EXTEND-Ex-T-218-WOD, 2x18W		1595 x 150
053268	EXTEND-Ex-T-136-WOD, 1x36W		1895 x 150
053269	EXTEND-Ex-T-236-WOD, 2x36W		985 x 150
053270	EXTEND-Ex-T-158-WOD, 1x58W		985 x 150
053271	EXTEND-Ex-T-258-WOD, 2x58W		1595 x 150
– electronic ballast with disconnecter, -20°C ≤ ta ≤ +40°C			
053260	EXTEND-Ex-T-118-D, 1x18W	T26/G13	1595 x 150
053261	EXTEND-Ex-T-218-D, 2x18W		1895 x 150
053262	EXTEND-Ex-T-136-D, 1x36W		1895 x 150
053263	EXTEND-Ex-T-236-D, 2x36W		985 x 150
053264	EXTEND-Ex-T-158-D, 1x58W		985 x 150
053265	EXTEND-Ex-T-258-D, 2x58W		1595 x 150
– non-maintained emergency mode, duration 1h, ta 0-40°C			
053272	EXTEND-Ex-T-118-Em, 1x18W	T26/G13	1595 x 150
053273	EXTEND-Ex-T-136-Em, 1x36W		1895 x 150
053274	EXTEND-Ex-T-158-Em, 1x58W		1895 x 150
– electronic ballast, maintained emergency mode, duration 1h, ta 0-40°C			
053275	MULTIEXTEND-Ex-T-118, 1x18W	T26/G13	985 x 150
053276	MULTIEXTEND-Ex-T-218, 2x18W		985 x 150
053277	MULTIEXTEND-Ex-T-136, 1x36W		1595 x 150
053278	MULTIEXTEND-Ex-T-236, 2x36W		1595 x 150
053279	MULTIEXTEND-Ex-T-158, 1x58W		1895 x 150
053280	MULTIEXTEND-Ex-T-258, 2x58W		1895 x 150
– special equipment			
051139	Set of ceiling brackets EXTEND (2pcs)		
004642	EXTEND set of pole brackets (2pcs)		

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	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA 1	ČSN EN 60079-14 ČSN EN 60079-10-1

EXTEND- Ex-T	EXTEND- Ex-T-WOD
Ⓜ II 2G Ex d e mb IIA T4 Gb	Ⓜ II 2G Ex e mb IIA T4 Gb
Ⓜ II 2D Ex t IIIC T 70°C Db; IP 67	Ⓜ II 2D Ex t IIIC T 70°C Db; IP 67

System of marking and overview of the approved variant of light fixtures

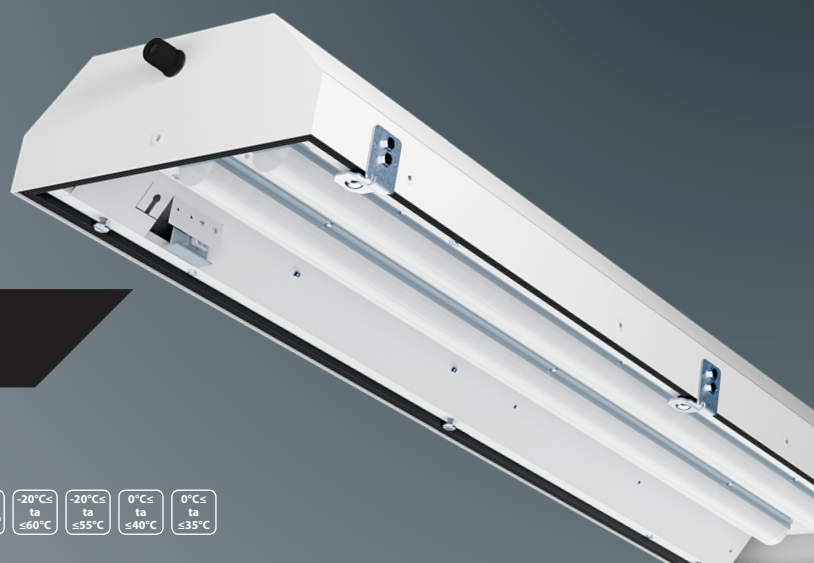
EXTEND-Ex-T-y36-WOD	EXTEND-Ex-P without disconnecter
EXTEND-Ex-T-y36-D	EXTEND-Ex-P with disconnecter
EXTEND-Ex-T-y36-2D	EXTEND-Ex-P with two disconnectors
EXTEND-Ex-T-y36-1P	EXTEND-Ex-P+ with one-phase through wiring connetion
EXTEND-Ex-T-y36-3P	EXTEND-Ex-P+ with three-phase through wiring connetion

y – marking number of lamps (1 / 2)

This project has been realized with the financial support from the national budget through the Ministry of Industry and Trade
ČVUT - Faculty of Electrical Engineering cooperated on this project

PITBUL-Ex-LED

IP 65



Application: premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 16 ATEX 0089X).

Ballast: Electronic ballast 220 – 250 V, 0 Hz DC
Electronic ballast 110 – 254 V, 50/60 Hz AC

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening with M8 screws through the base, with ceiling brackets or bracket grips screwed to the sides of the body, suspension via suspension brackets, into false ceiling by means of recessed frame.

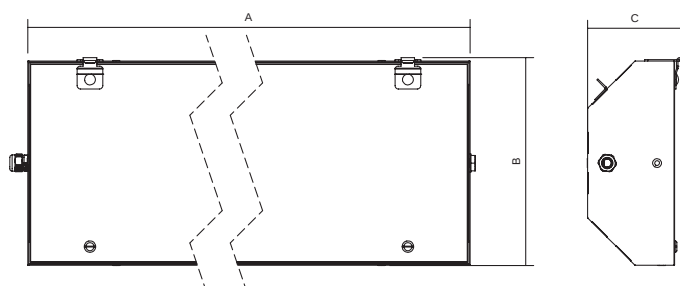
Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

Lifetime: L80B10/50 00 h/40 °C

On request: Em – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
3000 K, 5000 K, 6000 K – colour temperature
NEREZ – body from stainless steel sheet
RAL – another colour finishing
1/3 F – one or three phase through-wiring connection
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 16 ATEX 0089X



System of marking and overview of the approved variant of light fixtures

PITBUL-Ex-LED-XXXX-YYY-WOD	PITBUL-Ex-LED - without disconnecter
PITBUL-Ex-LED-XXXX-YYY-D	PITBUL-Ex-LED - with disconnecter
PITBUL-Ex-LED-XXXX-YYY-2D	PITBUL-Ex-LED - with two disconnectors
PITBUL-Ex-LED-XXXX-YYY-1P	PITBUL-Ex-LED + with one-phase through wiring connection
PITBUL-Ex-LED-XXXX-YYY-3P	PITBUL-Ex-LED + with three-phase through wiring connection

XXXX means luminous flux 2500/5000
YYY means type of housing 218/236

		T ₀	(lm)*	(W)**	ArbC (mm)
- with disconnecter, t₀ -20 °C ≤ ta ≤ +60 °C					
053660	PITBUL-Ex-LED-D-2500-218-4K	4000	2200	28	701 x 302 x 130
053662	PITBUL-Ex-LED-D-5000-236-4K	4000	4400	55	1312 x 302 x 130
- with disconnecter, t₀ -20 °C ≤ ta ≤ +55 °C					
053661	PITBUL-Ex-LED-D-5000-418-4K	4000	4400	55	701 x 362 x 130
053663	PITBUL-Ex-LED-D-10000-436-4K	4000	8800	103	1312 x 362 x 130
- without disconnecter, t₀ -20 °C ≤ ta ≤ +60 °C					
053656	PITBUL-Ex-LED-WOD-2500-218-4K	4000	2200	28	701 x 302 x 130
053658	PITBUL-Ex-LED-WOD-5000-236-4K	4000	4400	55	1312 x 302 x 130
- without disconnecter, t₀ -20 °C ≤ ta ≤ +55 °C					
053657	PITBUL-Ex-LED-WOD-5000-418-4K	4000	4400	55	701 x 362 x 130
053659	PITBUL-Ex-LED-WOD-10000-436-4K	4000	8800	103	1312 x 362 x 130
- non-maintained emergency mode, duration 1,5h; 3h, t₀ 0 °C ≤ ta ≤ +40 °C					
053672	PITBUL-Ex-Em-LED-2500-218-4K, 1,5h	4000	2200	28	701 x 302 x 130
053674	PITBUL-Ex-Em-LED-2500-218-4K, 3h	4000	2200	28	701 x 302 x 130
053673	PITBUL-Ex-Em-LED-5000-236-4K, 1,5h	4000	4400	55	1312 x 302 x 130
053675	PITBUL-Ex-Em-LED-2500-236-4K, 3h	4000	4400	55	1312 x 302 x 130
- maintained emergency mode, duration 1,5h; 3h, t₀ 0 °C ≤ ta ≤ +40 °C					
053668	MULTIPITBUL-Ex-LED-2500-218-4K, 1,5h	4000	2200	28	701 x 302 x 130
053664	MULTIPITBUL-Ex-LED-2500-218-4K, 3h	4000	2200	28	701 x 302 x 130
053670	MULTIPITBUL-Ex-LED-5000-236-4K, 1,5h	4000	4400	55	1312 x 362 x 130
053666	MULTIPITBUL-Ex-LED-5000-236-4K, 3h	4000	4400	55	1312 x 302 x 130
- maintained emergency mode, duration 1,5h; 3h, t₀ 0 °C ≤ ta ≤ +35 °C					
053669	MULTIPITBUL-Ex-LED-5000-418-4K, 1,5h	4000	4400	55	701 x 362 x 130
053665	MULTIPITBUL-Ex-LED-5000-418-4K, 3h	4000	4400	55	701 x 362 x 130
053671	MULTIPITBUL-Ex-LED-10000-436-4K, 1,5h	4000	8800	103	1312 x 362 x 130
053667	MULTIPITBUL-Ex-LED-10000-436-4K, 3h	4000	8800	103	1312 x 362 x 130
- special equipment					
053940	Set of bracket grips with accessory (2 pcs)				
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)				
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)				
053943	Recessed frame 1/2/3x36W – 384,4 x 1385 mm (mounting hole 323 x 1353 mm)				
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)				
053945	Recessed frame 1/2/3x58W – 384,4 x 1685 mm (mounting hole 323 x 1653 mm)				
053946	Recessed frame 4x58W – 443,4 x 1685 mm (mounting hole 383 x 1653 mm)				
054935	Set of stainless steel ceiling brackets (2 pcs)				
004642	Suspension bracket M8 (1 pc)				
051146	Pole bracket for Ø50 mm				

(lm)* - luminous flux, (W)** - input power

Application of light fixtures in areas with danger of explosion

	Marking of external influences	Classification areas	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

PITBUL-Ex-LED	PITBUL-Ex-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 IIIC T 67°C Db	⊕ II 2D Ex tb IIIC T 67°C Db



PITBUL-Ex, PITBUL-Ex-Em

IP 65



Application: premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 04 ATEX 0143X).

Ballast: Electronic ballast 220-250 V/50-60 Hz AC, 220-250 V
Electronic ballast 110-127 V/50-60 Hz AC, 110-127 V DC

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

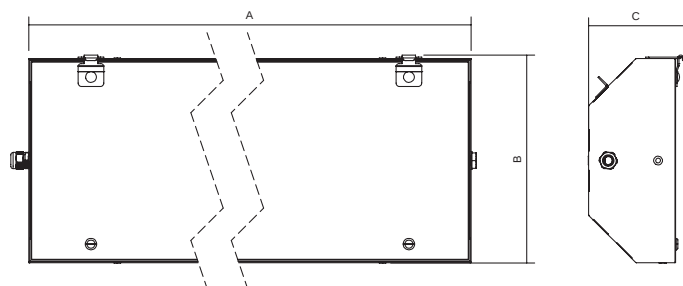
Fastening: Fastening with M8 screws through the base, with ceiling brackets or bracket grips screwed to the sides of the body, suspension via suspension brackets, into false ceiling by means of recessed frame.

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

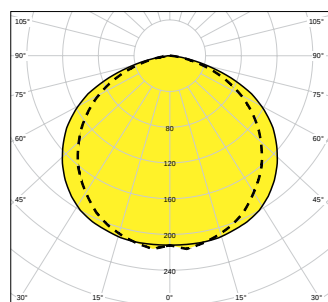
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

On request: **Em** – non-maintained emergency lighting (1 h, 3 h)
MULTI – maintained emergency lighting (1 h, 3 h)
1/3 F – one or three phase through-wiring connection
NEREZ – body from stainless steel sheet
RAL – another colour finishing
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 04 ATEX 0143X



PITBUL-Ex, 4x58W, IP65



— C0-C180 - - - - C90-C270

			AxBxC (mm)
– electronic ballast with disconnecter, -20°C ≤ t_a ≤ +40°C			
053800	PITBUL-Ex-118-D, 1x18 W	T26/G13	701 x 302 x 130
053801	PITBUL-Ex-218-D, 2x18 W		701 x 302 x 130
053802	PITBUL-Ex-318-D, 3x18 W		701 x 302 x 130
053803	PITBUL-Ex-418-D, 4x18 W		701 x 362 x 130
053804	PITBUL-Ex-136-D, 1x36 W		1312 x 302 x 130
053805	PITBUL-Ex-236-D, 2x36 W		1312 x 302 x 130
053806	PITBUL-Ex-336-D, 3x36 W		1312 x 302 x 130
053807	PITBUL-Ex-436-D, 4x36 W		1312 x 362 x 130
053808	PITBUL-Ex-158-D, 1x58 W		1611 x 302 x 130
053809	PITBUL-Ex-258-D, 2x58 W		1611 x 302 x 130
053810	PITBUL-Ex-358-D, 3x58 W		1611 x 302 x 130
053811	PITBUL-Ex-458-D, 4x58 W		1611 x 362 x 130

			AxBxC (mm)
– electronic ballast without disconnecter, -20°C ≤ t_a ≤ +40°C			
053812	PITBUL-Ex-118-WOD, 1x18 W	T26/G13	701 x 302 x 130
053813	PITBUL-Ex-218-WOD, 2x18 W		701 x 302 x 130
053814	PITBUL-Ex-318-WOD, 3x18 W		701 x 302 x 130
053815	PITBUL-Ex-418-WOD, 4x18 W		701 x 362 x 130
053816	PITBUL-Ex-136-WOD, 1x36 W		1312 x 302 x 130
053817	PITBUL-Ex-236-WOD, 2x36 W		1312 x 302 x 130
053818	PITBUL-Ex-336-WOD, 3x36 W		1312 x 302 x 130
053819	PITBUL-Ex-436-WOD, 4x36 W		1312 x 362 x 130
053820	PITBUL-Ex-158-WOD, 1x58 W		1611 x 302 x 130
053821	PITBUL-Ex-258-WOD, 2x58 W		1611 x 302 x 130
053822	PITBUL-Ex-358-WOD, 3x58 W		1611 x 302 x 130
053823	PITBUL-Ex-458-WOD, 4x58 W		1611 x 362 x 130

– special equipment			
053940	Set of bracket grips with accessory (2 pcs)		
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)		
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)		
053943	Recessed frame 1/2/3x36W – 384,4 x 1385 mm (mounting hole 323 x 1353 mm)		
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)		
053945	Recessed frame 1/2/3x58W – 384,4 x 1685 mm (mounting hole 323 x 1653 mm)		
053946	Recessed frame 4x58W – 443,4 x 1685 mm (mounting hole 383 x 1653 mm)		
054935	Set of stainless steel ceiling brackets (2 pcs)		
004642	Suspension bracket M8 (1 pc)		
051146	Pole bracket for Ø50 mm		

Other types (without disconnecter, through-wiring connection) on request

Application of light fixtures in areas with danger of explosion

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

PITBUL-Ex-D	PITBUL-Ex-WOD
⊕ II 2G Ex d e ib mb IIC T4 Gb	⊕ II 2G Ex d e ib mb IIC T4 Gb
⊕ II 2D Ex t IIIC Db T60°C; IP 65	⊕ II 2D Ex t IIIC Db T 60°C; IP 65

System of marking and overview of the approved variant of light fixtures

PITBUL-Ex-xyy-D	PITBUL-Ex with disconnecter
PITBUL-Ex-xyy-2D	PITBUL-Ex with two disconnectors and two ballast for two different voltages
PITBUL-Ex-xyy-WOD	without disconnecter

x – marking number of lamps (1/2/3/4), yy – lamp type (18/36/58)

EXCALIBUR-Ex

IP 65



Application: premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 06 ATEX 0057X).

Ballast: Electronic ballast 220-250 V/50-60 Hz AC, 220-250 V
Electronic ballast 110-127 V/50-60 Hz AC, 110-127 V DC

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening with M8 screws through the base or with ceiling brackets, suspension via suspension brackets, into false ceiling by means of recessed frame.

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

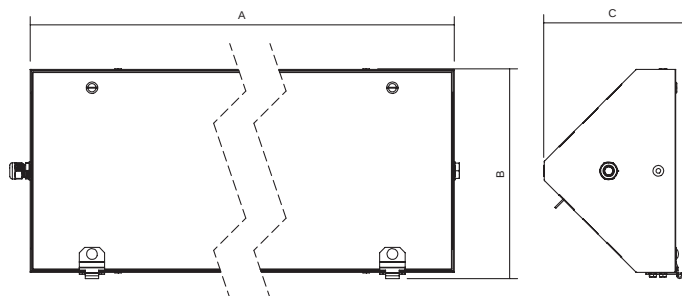
On request: 1/3 F – one or three phase through-wiring connection

NEREZ – body from stainless steel sheet

RAL – another colour finishing

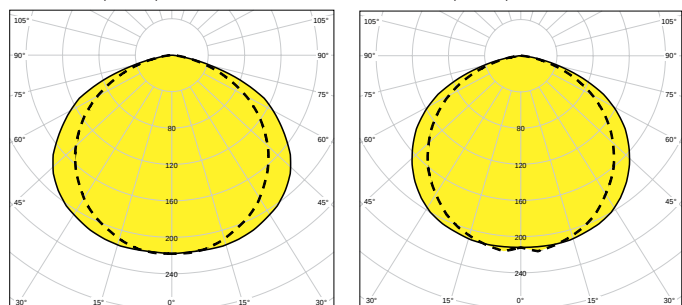
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 06 ATEX 0057X



EXCALIBUR-Ex, 2x36W, IP65

EXCALIBUR-Ex, 4x58W, IP65



— C0-C180

---- C90-C270

— C0-C180

---- C90-C270

			
-electronic ballast, -20°C ≤ t _a ≤ +40°C			
053220	EXCALIBUR-Ex-118-D, 1x18 W	T26/G13	701 x 302 x 195
053221	EXCALIBUR-Ex-218-D, 2x18 W		701 x 302 x 195
053222	EXCALIBUR-Ex-318-D, 3x18 W		701 x 302 x 195
053223	EXCALIBUR-Ex-418-D, 4x18 W		701 x 362 x 225
053224	EXCALIBUR-Ex-136-D, 1x36 W		1312 x 302 x 195
053225	EXCALIBUR-Ex-236-D, 2x36 W		1312 x 302 x 195
053226	EXCALIBUR-Ex-336-D, 3x36 W		1312 x 302 x 195
053227	EXCALIBUR-Ex-436-D, 4x36 W		1312 x 362 x 225
053228	EXCALIBUR-Ex-158-D, 1x58 W		1611 x 302 x 195
053229	EXCALIBUR-Ex-258-D, 2x58 W		1611 x 302 x 195
053230	EXCALIBUR-Ex-358-D, 3x58 W		1611 x 302 x 195
053231	EXCALIBUR-Ex-458-D, 4x58 W		1611 x 362 x 225
- special equipment			
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)		
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)		
053943	Recessed frame 1/2/3x36W – 384,4 x 1385 mm (mounting hole 323 x 1353 mm)		
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)		
053945	Recessed frame 1/2/3x58W – 384,4 x 1685 mm (mounting hole 323 x 1653 mm)		
053946	Recessed frame 4x58W – 443,4 x 1685 mm (mounting hole 383 x 1653 mm)		
054935	Set of stainless steel ceiling brackets (2 pcs)		
004642	Suspension bracket M8 (1 pc)		

Application of light fixtures in areas with danger of explosion

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

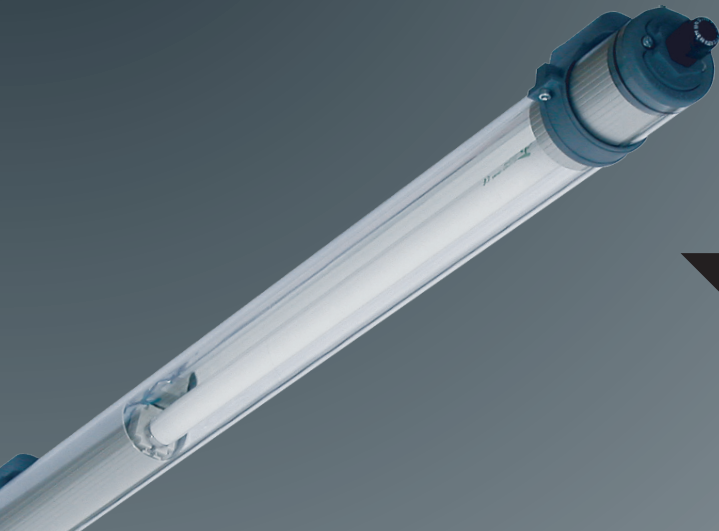
EXCALIBUR – Ex – D

- ⊕ II 2G Ex d e Ib mb IIC T4 Gb
- ⊕ II 2D Ex t IIIIC Db T58°C; IP65

System of marking and overview of the approved variant of light fixtures

EXCALIBUR-Ex-xyy-D	EXCALIBUR-Ex with disconnecter
EXCALIBUR-Ex-xyy-2D	EXCALIBUR-Ex with two disconnectors and two ballast for two different voltages

x – marking number of lamps (1/2/3/4), yy – lamp type (18/36/58)



AQUA-Ex

IP 68



Application: premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 04 ATEX 0141X).

Ballast: Electronic ballast 220-250 V/50-60 Hz AC, 220-250 V
Electronic ballast 110-127 V/50-60 Hz AC, 110-127 V DC

Body: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from **PC** (polycarbonate), transparent colour; sealing plugs at the ends of tubes. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

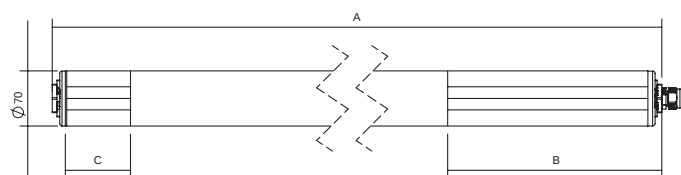
Fastening: Fastening on ceiling or wall lighted area with mounting brackets, suspension by means of self-locking suspenders or with suspension brackets

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

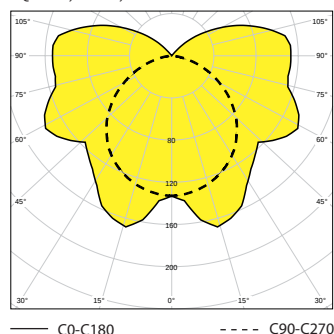
Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

On request: 1/3 F – one or three phase through-wiring connection
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 04 ATEX 0141X



AQUA-Ex, 1x36W, IP68



- electronic ballast, -20°C ≤ t_a ≤ +40°C			
083730	AQUA-Ex-118-D, 1x18W		1150x380x95
083731	AQUA-Ex-136-D, 1x36W	T26/G13	1760x380x95
083732	AQUA-Ex-158-D, 1x58W		2060x380x95
- special equipment			
051106	Plastic suspension bracket with accessories		
051127	Self-locking cable suspender (2 pcs) – order also plastic mounting bracket		
053630	AQUA-EX mounting bracket PC bright grey		
053628	AQUA-EX mounting bracket-stainless steel (1pc)		

Other types (without disconnecter, through-wiring connection) on request

Application of light fixtures in areas with danger of explosion

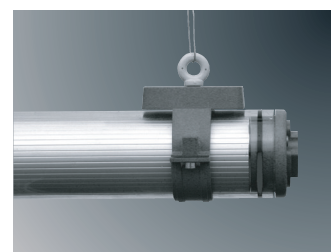
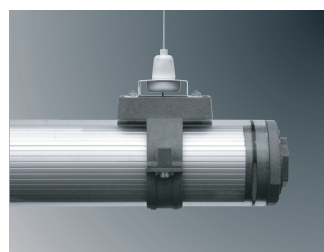
	Marking of external influences	Classification areas	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZÓNA 21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZÓNA 1	ČSN EN 60079-14 ČSN EN 60079-10-1

AQUA - Ex - D	AQUA - Ex - WOD
1x18W Ⓔ II 2G Ex de mb IIC T4 Gb Ⓔ II 2D Ex t IIC T75°C Db; IP 66/IP68..20m	1x18W Ⓔ II 2G Ex e mb II T4 Gb Ⓔ II 2D Ex t IIC T75°C Db; IP 66/IP68..20m
1x36W Ⓔ II 2G Ex de mb IIC T4 Gb Ⓔ II 2D Ex t IIC T75°C Db; IP 66/IP68..20m	1x36W Ⓔ II 2G Ex e mb II T4 Gb Ⓔ II 2D Ex t IIC T75°C Db; IP 66/IP68..20m
1x58W Ⓔ II 2G Ex de mb IIC T4 Gb Ⓔ II 2D Ex t IIC T75°C Db; IP 66/IP68..20m	1x58W Ⓔ II 2G Ex e mb II T4 Gb Ⓔ II 2D Ex t IIC T75°C Db; IP 66/IP68..20m

System of marking and overview of the approved variant of light fixtures

AQUA-Ex-1yy-D	AQUA-Ex with disconnecter
AQUA-Ex-1yy-WOD	AQUA-Ex without disconnecter
AQUA-Ex-1yy-S-WOD	AQUA-Ex with separate ballast part, without disconnecter

yy – lamp type (18/36/58)



RAMBO-Ex

IP 67



Application: premises with danger of explosion. For outdoor use we recommend to order stainless steel body of the light fitting. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 04 ATEX 0142X).

Ballast: Electronic ballast 220-250 V/50-60 Hz AC, 220-250 V
Electronic ballast 110-127 V/50-60 Hz AC, 110-127 V DC

Body: White painted metal sheet RAL9003; plastic sides from PC (polycarbonate) at the ends of body

Cover: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from PC (polycarbonate), transparent colour; sealing plugs at the ends of tubes. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

Fastening: Fastening on ceiling or wall lighted area

Connection: WAGO® Ex terminal block, max. diameter of wires 4,0 mm²

Standard equipment: 1 pc sealing cable gland

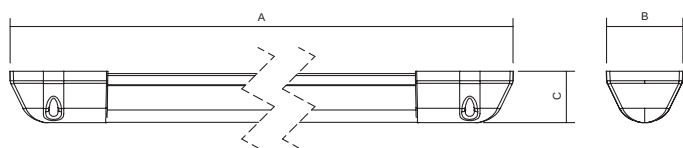
On request: 1/3 F – one or three phase through-wiring connection

NEREZ – body from stainless steel sheet

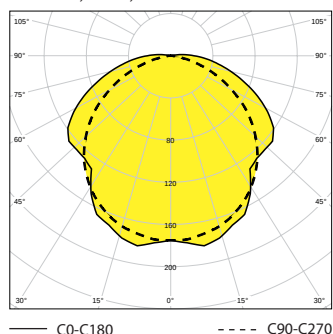
RAL – another colour finishing

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

FTZÚ 04 ATEX 0142X



RAMBO-Ex, 1x18W, IP 67



- electronic ballast, $-20^{\circ}\text{C} \leq t_a \leq +40^{\circ}\text{C}$		T26/G13	AsBxC (mm)
083690	RAMBO-Ex-118-D, 1x18W		
083691	RAMBO-Ex-136-D, 1x36W		1903 x 113 x 76
- special equipment			
004569	tornillo con cabeza especial		
002020	herramienta para tornillo especial		

Otros tipos (sin desconector, cableado) bajo demanda

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	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA 1	ČSN EN 60079-14 ČSN EN 60079-10-1

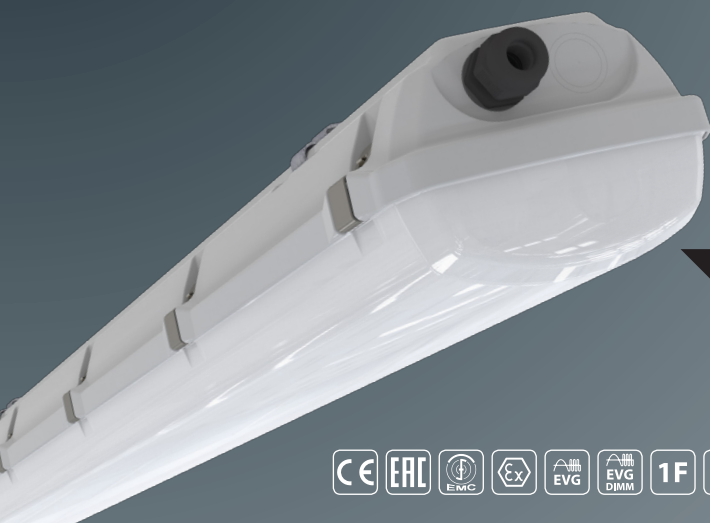
RAMBO – Ex – D		RAMBO – Ex – WOD	
1x18W	II 2G Ex d e mb IIC T4 Gb II 2D Ex t IIIC T75°C Db; IP67	1x18W	II 2G Ex d e mb IIC T4 Gb II 2D Ex t IIIC T75°C Db; IP67
1x36W	II 2G Ex d e mb IIC T4 Gb II 2D Ex t IIIC T75°C Db; IP67	1x36W	II 2G Ex d e mb IIC T4 Gb II 2D Ex t IIIC T75°C Db; IP67

System of marking and overview of the approved variant of light fixtures

RAMBO-Ex-1yy-D	RAMBO-Ex con desconector
RAMBO-Ex-1yy-WOD	RAMBO-Ex sin desconector

yy – tipo de lámpara (18/36/58)





EXTRA-N-LED

IP 66



Application: premises with danger of explosion. Lighting fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 16 ATEX 0102X).

Ballast: electronic 220 – 240 V, 50/60 Hz, 220 – 240 V, 0 Hz

Body: Plastic material **PC** (polycarbonate), grey colour RAL7035

Cover: Plastic opal material **PC** (polycarbonate)

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment)

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; lighting fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

Lifetime: L80B10/50 00 h/35 °C

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

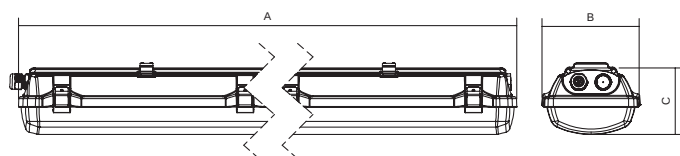
MULTI – maintained emergency lighting (1,5 h, 3 h)

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

3000 K, 5000 K, 6000 K – colour temperature

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

FTZÚ 16 ATEX 0102X



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 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

EXTRA-N-LED

Ⓜ II 3G Ex nR IIC T6 Gc

Ⓜ II 3D Ex tc IIIC T62°C Dc

		T ₀ /A	(lm)*	(W)**	A ₀ B ₀ C ₀ (mm)
- t_a -20°C ≤ t_a ≤ +45°C					
055260	EXTRA-N-LED-1250-218-4K	4000	1086	9	670 x 155 x 105
055261	EXTRA-N-LED-2500-218-4K	4000	2059	18	670 x 155 x 105
055266	EXTRA-N-LED-3750-258-4K	4000	3125	27	1580 x 155 x 105
055267	EXTRA-N-LED-7500-258-4K	4000	6225	54	1580 x 155 x 105
- t_a -20°C ≤ t_a ≤ +50°C					
055263	EXTRA-N-LED-2500-236-4K	4000	2136	18	1280 x 155 x 105
055264	EXTRA-N-LED-5000-236-4K	4000	4084	36	1280 x 155 x 105
- t_a -20°C ≤ t_a ≤ +40°C					
055262	EXTRA-N-LED-5000-218-4K	4000	4093	36	670 x 155 x 105
055265	EXTRA-N-LED-10000-236-4K	4000	8187	72	1280 x 155 x 105
- t_a -20°C ≤ t_a ≤ +35°C					
055268	EXTRA-N-LED-12550-258-4K	4000	10286	87	1580 x 155 x 105
- maintained emergency mode, duration 1,5h; 3h, t_a 0°C ≤ t_a ≤ +35°C					
055270	MULTIEXTRA-N-LED-1250-218-4K, 1h	4000	1086/37%	9	670 x 155 x 105
055271	MULTIEXTRA-N-LED-2500-218-4K, 1h	4000	2059/18%	18	670 x 155 x 105
055276	MULTIEXTRA-N-LED-1250-218-4K, 3h	4000	1086/37%	9	670 x 155 x 105
055277	MULTIEXTRA-N-LED-2500-218-4K, 3h	4000	2059/18%	18	670 x 155 x 105
- maintained emergency mode, duration 1,5h; 3h, t_a 0°C ≤ t_a ≤ +45°C					
055272	MULTIEXTRA-N-LED-2500-236-4K, 1h	4000	2136/19%	18	1280 x 155 x 105
055273	MULTIEXTRA-N-LED-5000-236-4K, 1h	4000	4084/9%	36	1280 x 155 x 105
055274	MULTIEXTRA-N-LED-3750-258-4K, 1h	4000	3125/13%	27	1580 x 155 x 105
055275	MULTIEXTRA-N-LED-7500-258-4K, 1h	4000	6225/6%	54	1580 x 155 x 105
055278	MULTIEXTRA-N-LED-2500-236-4K, 3h	4000	2136/19%	18	1280 x 155 x 105
055279	MULTIEXTRA-N-LED-5000-236-4K, 3h	4000	4084/9%	36	1280 x 155 x 105
055280	MULTIEXTRA-N-LED-3750-258-4K, 3h	4000	3125/13%	27	1580 x 155 x 105
055281	MULTIEXTRA-N-LED-7500-258-4K, 3h	4000	6225/6%	54	1580 x 155 x 105
- non-maintained emergency mode, duration 1,5h; 3h, t_a 0°C ≤ t_a ≤ +35°C					
055282	EXTRA-N-Em-LED-1250-218-4K, 1h	4000	400	-	670 x 155 x 105
055285	EXTRA-N-Em-LED-1250-218-4K, 3h	4000	400	-	670 x 155 x 105
- non-maintained emergency mode, duration 1,5h; 3h, t_a 0°C ≤ t_a ≤ +45°C					
055283	EXTRA-N-Em-LED-2500-236-4K, 1h	4000	418	-	1280 x 155 x 105
055286	EXTRA-N-Em-LED-2500-236-4K, 3h	4000	418	-	1280 x 155 x 105
055284	EXTRA-N-Em-LED-3750-258-4K, 1h	4000	440	-	1580 x 155 x 105
055287	EXTRA-N-Em-LED-3750-258-4K, 3h	4000	440	-	1580 x 155 x 105
- special equipment					
008060	Cable gland Ex M20x1,5				
008090	008090 Sealing plug Ex M20x1,5				
008097	Plastic nut WISKA EMUG 20 M20x1,5				
051180	through-wiring connection EXTRA-218-1F				
051181	through-wiring connection EXTRA-236-1F				
051182	through-wiring connection EXTRA-258-1F				
051183	through-wiring connection EXTRA-218-3F				
051184	through-wiring connection EXTRA-236-3F				
051185	through-wiring connection EXTRA-258-3F				

(lm)* - luminous flux, (W)** - input power

EXTRA-N-S

IP 66



Application: dustproof lighting fixture with resistance against water jets is designed for lighting premises with danger of explosion. Lighting fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 16 ATEX 0162X).

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

Body: Plastic material **PC** (polycarbonate), grey colour RAL7035

Cover: Plastic opal material **PC** (polycarbonate)

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment)

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; lighting fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

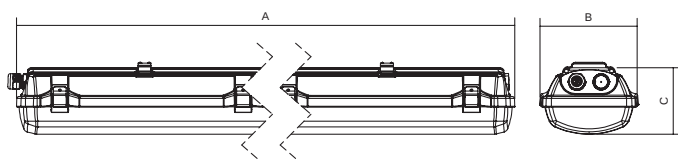
On request: **Em** – non-maintained emergency lighting (1,5 h, 3 h)

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

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

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

FTZÚ 16 ATEX 0162X



For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.

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 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

EXTRA-N-S

Ⓜ II 3G Ex nR IIC T6 Gc

Ⓜ II 3D Extb IIIC T62°C Dc

			
-20°C < t_a <+50°C			
055502	EXTRA-N-S-136-EP, 1x36W	T26/G13	1280 x 155 x 105
055503	EXTRA-N-S-236-EP, 2x36W		1280 x 155 x 105
-20°C < t_a <+45°C			
055500	EXTRA-N-S-118-EP, 1x18W	T26/G13	670 x 155 x 105
055501	EXTRA-N-S-218-EP, 2x18W		670 x 155 x 105
-20°C < t_a <+40°C			
055504	EXTRA-N-S-158-EP, 1x58W	T26/G13	1580 x 155 x 105
055505	EXTRA-N-S-258-EP, 2x58W		1580 x 155 x 105
-20°C < t_a <+45°C			
055530	EXTRA-N-S-114-EP, 1x14W	T16/G5	670 x 155 x 105
055532	EXTRA-N-S-214-EP, 2x14W		670 x 155 x 105
055534	EXTRA-N-S-128-EP, 1x28W		1280 x 155 x 105
055536	EXTRA-N-S-228-EP, 2x28W		1280 x 155 x 105
055538	EXTRA-N-S-135-EP, 1x35W		1580 x 155 x 105
055541	EXTRA-N-S-235-EP, 2x35W		1580 x 155 x 105
055539	EXTRA-N-S-149-EP, 1x49W		1580 x 155 x 105
055542	EXTRA-N-S-249-EP, 2x49W		1580 x 155 x 105
-20°C < t_a <+40°C			
055535	EXTRA-N-S-154-EP, 1x54W	T16/G5	1280 x 155 x 105
055537	EXTRA-N-S-254-EP, 2x54W		1280 x 155 x 105
055531	EXTRA-N-S-124-EP, 1x24W		670 x 155 x 105
055533	EXTRA-N-S-224-EP, 2x24W		670 x 155 x 105
-20°C < t_a <+30°C			
055540	EXTRA-N-S-180-EP, 1x80W	T16/G5	1580 x 155 x 105
055543	EXTRA-N-S-280-EP, 2x80W		1580 x 155 x 105

- special equipment

008060	Cable gland Ex M20x1,5
008090	Sealing plug Ex M20x1,5
008097	Plastic nut WISKA EMUG 20 M20x1,5
051180	through-wiring connection EXTRA-218-1F
051181	through-wiring connection EXTRA-236-1F
051182	through-wiring connection EXTRA-258-1F
051183	through-wiring connection EXTRA-218-3F
051184	through-wiring connection EXTRA-236-3F
051185	through-wiring connection EXTRA-258-3F

System of marking and overview of the approved variant of light fixtures

EXTRA-N-S*-X*-YY*-EP*	type for standard operation
MULTIEXTRA-N-S*-X*-YY*-EP*	type for maintained emergency mode
EXTRA-N-S*-Em-X*-YY*	type for non-maintained emergency mode
S*	silicone gasket
X*	number of lamps 1/2x
YY*	marking of lamp 18/36/58W-T26; 14/24/28/35/49/54/80W-T16
EP*	electronic ballast



EXTRA-N-P

IP 66



Application: premises with danger of explosion. Lighting fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZÚ 16 ATEX 0101X).

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

Body: Plastic material **PC** (polycarbonate), grey colour RAL7035

Cover: Plastic opal material **PC** (polycarbonate)

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment)

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; lighting fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

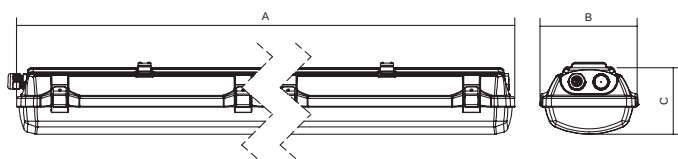
On request: **Em** – non-maintained emergency lighting (1,5 h, 3 h)

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

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

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

FTZÚ 16 ATEX 0101X



For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.

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 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

EXTRA-N-P

Ⓜ II 3G Ex nA IIC T4 Gc
Ⓜ 3D Ex tc IIIC T72°C Dc

				
-20°C < t_a < +50°C				
055202	EXTRA-N-P-136-EP, 1x36W	T26/G13	1280 x 155 x 105	
055203	EXTRA-N-P-236-EP, 2x36W		1280 x 155 x 105	
-20°C < t_a < +45°C				
055200	EXTRA-N-P-118-EP, 1x18W	T26/G13	670 x 155 x 105	
055201	EXTRA-N-P-218-EP, 2x18W		670 x 155 x 105	
-20°C < t_a < +35°C				
055204	EXTRA-N-P-158-EP, 1x58W	T26/G13	1580 x 155 x 105	
055205	EXTRA-N-P-258-EP, 2x58W		1580 x 155 x 105	
- maintained emergency mode, duration 1,5h; 3h, 0°C < t_a < +35°C				
055222	MULTIEXTRA-N-P-136-EP, 1x36W, 1h	T26/G13	1280 x 155 x 105	
055223	MULTIEXTRA-N-P-236-EP, 2x36W, 1h		1280 x 155 x 105	
055224	MULTIEXTRA-N-P-158-EP, 1x58W, 1h		1580 x 155 x 105	
055225	MULTIEXTRA-N-P-258-EP, 2x58W, 1h		1580 x 155 x 105	
055242	MULTIEXTRA-N-P-136-EP, 1x36W, 3h		1280 x 155 x 105	
055243	MULTIEXTRA-N-P-236-EP, 2x36W, 3h		1280 x 155 x 105	
055244	MULTIEXTRA-N-P-158-EP, 1x58W, 3h		1580 x 155 x 105	
055245	MULTIEXTRA-N-P-258-EP, 2x58W, 3h		1580 x 155 x 105	
- maintained emergency mode, duration 1,5h; 3h, 0°C < t_a < +30°C				
055220	MULTIEXTRA-N-P-118-EP, 1x18W, 1h	T26/G13	670 x 155 x 105	
055221	MULTIEXTRA-N-P-218-EP, 2x18W, 1h		670 x 155 x 105	
055240	MULTIEXTRA-N-P-118-EP, 1x18W, 3h		670 x 155 x 105	
055241	MULTIEXTRA-N-P-218-EP, 2x18W, 3h		670 x 155 x 105	
- non-maintained emergency mode, duration 1,5h; 3h, 0°C < t_a < +35°C				
055215	EXTRA-N-P-Em-136, 1x36W, 1h	T26/G13	1280 x 155 x 105	
055216	EXTRA-N-P-Em-158, 1x58W, 1h		1580 x 155 x 105	
055235	EXTRA-N-P-Em-136, 1x36W, 3h		1280 x 155 x 105	
055236	EXTRA-N-P-Em-158, 1x58W, 3h		1580 x 155 x 105	
- non-maintained emergency mode, duration 1,5h; 3h, 0°C < t_a < +30°C				
055214	EXTRA-N-P-Em-118, 1x18W, 1h	T26/G13	670 x 155 x 105	
055234	EXTRA-N-P-Em-118, 1x18W, 3h		670 x 155 x 105	
- special equipment				
008060	Cable gland Ex M20x1,5			
008090	Sealing plug Ex M20x1,5			
008097	Plastic nut WISKA EMUG 20 M20x1,5			
051180	through-wiring connection EXTRA-218-1F			
051181	through-wiring connection EXTRA-236-1F			
051182	through-wiring connection EXTRA-258-1F			
051183	through-wiring connection EXTRA-218-3F			
051184	through-wiring connection EXTRA-236-3F			
051185	through-wiring connection EXTRA-258-3F			
System of marking and overview of the approved variant of light fixtures				
EXTRA-N-P*-X*-YY*-EP*	type for standard operation			
MULTIEXTRA-N-P*-X*-YY*-EP*	type for maintained emergency mode			
EXTRA-N-P*-Em-X*-YY*	type for non-maintained emergency mode			
P*	polyurethane gasket			
X*	number of lamps 1/2x			
YY*	marking of lamp 18/36/58W-T26			
EP*	electronic ballast			

SALUKA-N

IP 66



Application: premises with danger of explosion. Light fixture is certified by FTZÚ Ostrava-Radvanice (certificate FTZU 08 ATEX 0133X).

Ballast: **K** – electromagnetic ballast 230 V/50 Hz, with parallel compensation
/ – electromagnetic ballast 230 V/50 Hz, without parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL 9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area, fastening on ceiling by means of ceiling brackets, suspension by means of suspension brackets with steel or chain

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug, 2 pcs suspension bracket and 2 pcs rubber gasket

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

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

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

NEREZ – body from stainless steel metal sheet

AR – aluminium reflector (deep radiant)

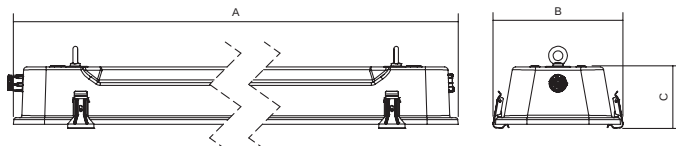
PAR – parabolic reflector

AUTOTEST – light fitting equipped with autotest

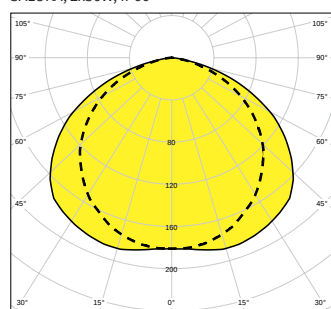
Providing with cable glands for armoured cables

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

FTZÚ 08 ATEX 0133X



SALUKA, 2x36W, IP66



			
– electronic ballast, -20°C ≤ t_a ≤ +40°C			
054374	SALUKA-N-136-EP, 1x36W	T26/G13	1305 x 192 x 90
054375	SALUKA-N-236-EP, 2x36W		1305 x 192 x 90
054376	SALUKA-N-158-EP, 1x58W		1605 x 192 x 90
054377	SALUKA-N-258-EP, 2x58W		1605 x 192 x 90
– electronic ballast, t_a ≤ +55°C			
054372	SALUKA-N-T55-118-EP, 1x18W	T26/G13	705 x 192 x 90
054373	SALUKA-N-T55-118-EP, 1x18W		705 x 192 x 90
– electronic ballast, t_a ≤ +60°C			
056323	SALUKA-N-T60-258-EP, 2x58W	T26/G13	1605 x 192 x 90
056322	SALUKA-N-T60-158-EP, 1x58W		1605 x 192 x 90
056321	SALUKA-N-T60-236-EP, 2x36W		1305 x 192 x 90
056320	SALUKA-N-T60-136-EP, 1x36W		1305 x 192 x 90
– maintained emergency lighting, 0 ≤ t_a ≤ 30°C			
054378	MULTISALUKA-N-218, 2x18W, 1h	T26/G13	705 x 192 x 90
054379	MULTISALUKA-N-218-K, 2x18W, 1h		705 x 192 x 90
054380	MULTISALUKA-N-136, 1x36W, 1h		1305 x 192 x 90
054381	MULTISALUKA-N-136-K, 1x36W, 1h		1305 x 192 x 90
054382	MULTISALUKA-N-236, 2x36W, 1h		1305 x 192 x 90
054383	MULTISALUKA-N-236-K 2x36W, 1h		1305 x 192 x 90
054384	MULTISALUKA-N-158, 1x58W, 1h		1605 x 192 x 90
054385	MULTISALUKA-N-158-K, 1x58W, 1h		1605 x 192 x 90
054386	MULTISALUKA-N-258, 2x58W, 1h		1605 x 192 x 90
054387	MULTISALUKA-N-258-K, 2x58W, 1h		1605 x 192 x 90
– maintained emergency lighting, electronic ballast, 0 ≤ t_a ≤ 30°C			
054388	MULTISALUKA-N-118-EP, 1x18W, 1h	T26/G13	705 x 192 x 90
054389	MULTISALUKA-N-218-EP, 2x18W, 1h		705 x 192 x 90
054390	MULTISALUKA-N-136-EP, 1x36W, 1h		1305 x 192 x 90
054391	MULTISALUKA-N-236-EP, 2x36W, 1h		1305 x 192 x 90
054392	MULTISALUKA-N-158-EP, 1x58W, 1h		1605 x 192 x 90
054393	MULTISALUKA-N-258-EP, 2x58W, 1h		1605 x 192 x 90
– special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		
001995	Reflector AR – 2x36W deep radiant		
001996	Reflector AR – 2x58W deep radiant		
051139	Set of ceiling stainless steel bracket SALUKA (2 pcs)		
051145	Pole bracket (50 mm diameter)		

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 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

SALUKA-N, SALUKA-N-EM, MULTISALUKA-N-EM	
Ⓜ II 3G Ex nA IIC T4 Gc	Ⓜ II 3G Ex nA IIC T4 Gc
Ⓜ II 3D Ex tc IIIC T70°C Dc	Ⓜ II 3D Ex tc IIIC T70°C Dc



VIPET-N-I

IP 66



Application: premises with danger of explosion. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 02 ATEX 0313X).

Ballast: **K** – electromagnetic ballast 230 V/50 Hz, with parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material **PC** (polycarbonate), grey colour RAL7035

Cover: Plastic material **PC** (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

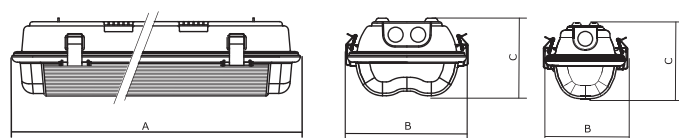
Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

On request: **1/3 F** – one or three phase through-wiring connection

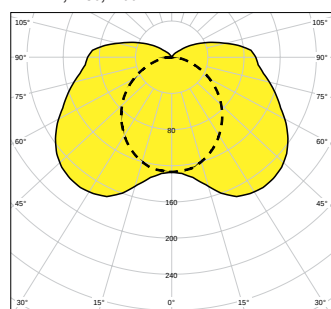
AR – aluminium liner reflector (deep radiant)

PAR – parabolic reflector

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



VIPET-N, 2x36, IP66



— CO-C180

--- C90-C270

FTZÚ 02 ATEX 0313X



For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.

			
- inductive ballast, -20 °C ≤ ta ≤ +40 °C			
052240	VIPET-N-I-PC-218, 2x18W	T26/G13	685 x 173 x 110
052241	VIPET-N-I-PC-218-K 2x18W		685 x 173 x 110
052440	VIPET-N-I-PC-118, 1x18W		685 x 119 x 110
052441	VIPET-N-I-PC-118-K, 1x18W		685 x 119 x 110
052080	VIPET-N-I-PC-236, 2x36W		1290 x 173 x 110
052081	VIPET-N-I-PC-236-K, 2x36W		1290 x 173 x 110
052140	VIPET-N-I-PC-136, 1x36W		1290 x 119 x 110
052141	VIPET-N-I-PC-136-K, 1x36W		1290 x 119 x 110
052340	VIPET-N-I-PC-258, 2x58W		1590 x 173 x 110
052341	VIPET-N-I-PC-258-K, 2x58W		1590 x 173 x 110
052480	VIPET-N-I-PC-158, 1x58W	T26/G13	1590 x 119 x 110
052481	VIPET-N-I-PC-158-K, 1x58W		1590 x 119 x 110
- electronic ballast , -20 °C ≤ ta ≤ +40 °C			
052242	VIPET-N-I-PC-218-EP, 2x18W	T26/G13	685 x 173 x 110
052442	VIPET-N-I-PC-118-EP, 1x18W		685 x 119 x 110
052082	VIPET-N-I-PC-236-EP, 2x36W		1290 x 173 x 110
052142	VIPET-N-I-PC-136-EP, 1x36W		1290 x 119 x 110
052342	VIPET-N-I-PC-258-EP, 2x58W		1590 x 173 x 110
052482	VIPET-N-I-PC-158-EP, 1x58W		1590 x 119 x 110
- special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		
051131	Self-locking cable suspender – VIPET 2x, POINTER		
003571	Stainless steel clip POINTER, VIPETT		
001719	Stainless steel fixing spring VIPET – 1x		
001718	Stainless steel fixing spring VIPET – 2x, POINTER		
051161	Accessories for one phase through-wiring connection – 36W – 3x1,5 mm ²		
051162	Accessories for one phase through-wiring connection – 58W – 3x1,5 mm ²		
051164	Accessories for through-wiring connection 36W-3F – 5x1,5 mm ²		
051165	Accessories for through-wiring connection 58W-3F – 5x1,5 mm ²		
001505	Protective cover 2x36W through		
001506	Protective cover 2x36W ending		
001509	Protective cover 2x58W through		
001510	Protective cover 2x58W ending		

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	ZÓNA 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZÓNA	ČSN EN 60079-14 ČSN EN 60079-10-1

VIPET-N-I	VIPET-N-I-EP
1x18W	1x18W
2x18W	2x18W
1x36W	1x36W
2x36W	2x36W
1x58W	1x58W
2x58W	2x58W

VIPET-N-Em

IP 66



Application: emergency model for premises with danger of explosion. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 02 ATEX 0313X).

Ballast: **K** – electromagnetic ballast 230 V/50 Hz, with parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material **PC** (polycarbonate), grey colour RAL7035

Cover: Plastic material **PC** (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

On request: **1/3 F** – one or three phase through-wiring connection

AR – aluminium liner reflector (deep radiant)

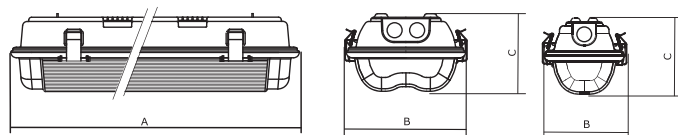
PAR – parabolic reflector

AUTOTEST – light fitting equipped with autotest

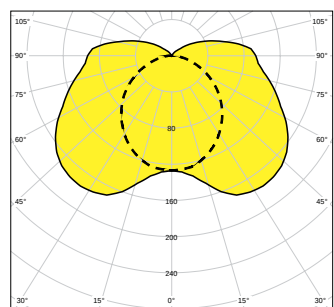
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

Marking: maintained emergency lighting (MULTI), non-maintained emergency lighting (Em)

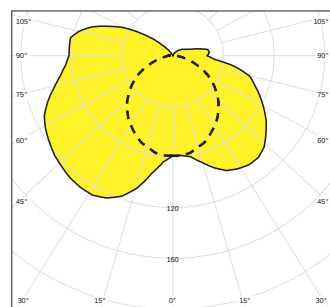
FTZU 02 ATEX 0313X



VIPET-N-Em, 2x36W, IP 66



VIPET-N-Em, 2x36W, IP 66 – emergency mode



1			AxB (mm)
– inductive ballast, maintained emergency mode, 0 ≤ ta ≤ 30°C			
052246	MULTIVIPET-N-PC-218, 2x18W, 1h	T26/G13	685 x 173 x 110
052245	MULTIVIPET-N-PC-218-K, 2x18W, 1h		685 x 173 x 110
052086	MULTIVIPET-N-PC-236, 2x36W, 1h		1290 x 173 x 110
052085	MULTIVIPET-N-PC-236-K, 2x36W, 1h		1290 x 173 x 110
052146	MULTIVIPET-N-PC-136, 1x36W, 1h		1290 x 119 x 110
052145	MULTIVIPET-N-PC-136-K, 1x36W, 1h		1290 x 119 x 110
052346	MULTIVIPET-N-PC-258, 2x58W, 1h		1590 x 173 x 110
052345	MULTIVIPET-N-PC-258-K, 2x58W, 1h		1590 x 173 x 110
052486	MULTIVIPET-N-PC-158, 1x58W, 1h		1590 x 119 x 110
052485	MULTIVIPET-N-PC-158-K, 1x58W, 1h		1590 x 119 x 110

1			AxB (mm)
– electronic ballast, maintained emergency mode, 0 ≤ ta ≤ 30°C			
052247	MULTIVIPET-N-PC-218-EP, 2x18W, 1h	T26/G13	685 x 173 x 110
052087	MULTIVIPET-N-PC-236-EP, 2x36W, 1h		1290 x 173 x 110
052147	MULTIVIPET-N-PC-136-EP, 1x36W, 1h		1290 x 173 x 110
052347	MULTIVIPET-N-PC-258-EP, 2x58W, 1h		1590 x 173 x 110
052487	MULTIVIPET-N-PC-158-EP, 1x58W, 1h		1590 x 173 x 110

1			AxB (mm)
– non-maintained emergency mode, ta 0 ≤ ta ≤ 30°C			
052445	VIPET-N-EM-PC-118, 1x18W, 1h	T26/G13	685 x 173 x 110
052148	VIPET-N-EM-PC-136, 1x36W, 1h		1290 x 119 x 110
052488	VIPET-N-EM-PC-158, 1x58W, 1h		1590 x 173 x 110

Application of light fixtures in areas with danger of explosion

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

MULTIVIPET-N	MULTIVIPET-N-EP
2x18W Ⓜ II 3G Ex nA IIC T5 Gc; T75°C	2x18W Ⓜ II 3G Ex nA IIC T4 Gc; T75°C
1x36W Ⓜ II 3G Ex nA IIC T5 Gc; T75°C	1x36W Ⓜ II 3G Ex nA IIC T4 Gc; T75°C
2x36W Ⓜ II 3G Ex nA IIC T5 Gc; T75°C	2x36W Ⓜ II 3G Ex nA IIC T4 Gc; T75°C
1x58W Ⓜ II 3G Ex nA IIC T5 Gc; T75°C	1x58W Ⓜ II 3G Ex nA IIC T4 Gc; T75°C
2x58W Ⓜ II 3G Ex nA IIC T5 Gc; T75°C	2x58W Ⓜ II 3G Ex nA IIC T4 Gc; T75°C

VIPET-N-I	VIPET-N-EM
Ⓜ II 3D Ex tc IIIC Tx °C Dc	1x18W Ⓜ II 3G Ex nA IIC T5 Gc; T42°C
	1x36W Ⓜ II 3G Ex nA IIC T5 Gc; T42°C
	1x58W Ⓜ II 3G Ex nA IIC T5 Gc; T42°C



For areas with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.



POINTER-N-I

IP 66



Application: emergency model for premises with danger of explosion. Light fixture is certified by FTZU Ostrava-Radvanice (certification FTZU 02 ATEX 0313X).

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic material PC (polycarbonate), grey colour RAL7035

Cover: Plastic material PC (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips

On request: 1/3 F – one or three phase through-wiring connection

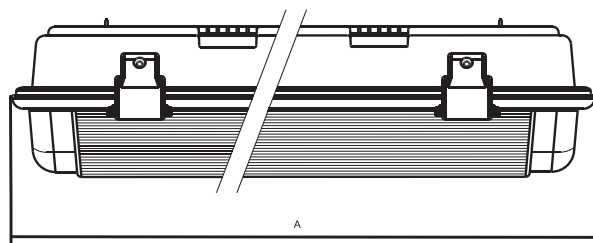
AR – aluminium linear reflector (deep radiant)

PAR – parabolic reflector

AUTOTEST – light fixture equipped with autotest

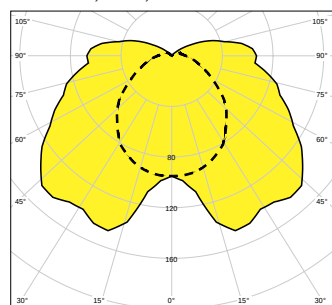
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

Marking: maintained emergency lighting (MULTI), non-maintained emergency lighting (Em)



FTZU 02 ATEX 0144X

POINTER-N-I, 2x11W, IP66



— C0-C180 - - - - C90-C270

052021	POINTER-N-I-PC-211-EP, 2x9/11W	TC-SEL/2G7	338 x 173 x 105
- special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)		
003571	Stainless steel clip POINTER, VIPET		
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)		
001744 LAK	Protective cage		

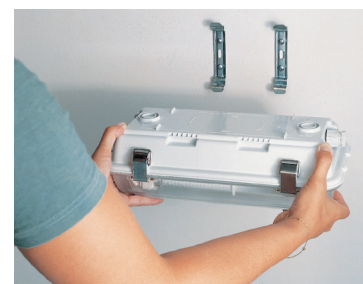
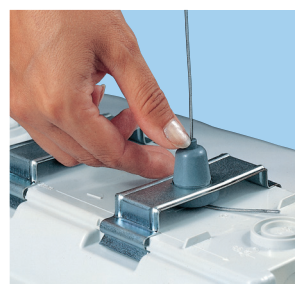
Application of light fixtures in areas with danger of explosion

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

POINTER-N-I	POINTER-N-I-EP
2x11W Ⓜ II 3G Ex nA IIC T4 Gc Ⓜ II 3D Ex tc IIIC T65°C Dc	2x11W Ⓜ II 3G Ex nA IIC T4 Gc Ⓜ II 3D Ex tc IIIC T65°C Dc



For areas with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.





BASET-N, MULTIBASET-N

IP 66



Application: emergency model for premises with danger of explosion. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 04 ATEX 0219X).

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC). Emergency unit 230 V/50 Hz

Body: Plastic material PC (polycarbonate), grey colour RAL7035

Cover: Plastic material PC (polycarbonate), transparent colour

Reflector: White painted metal sheet RAL 9003

Fastening: Direct fastening on ceiling or wall lighted area by means of ceiling fastening brackets (basic equipment), suspension with self-locking suspenders

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires (order additional cable gland)

Standard equipment: 1 pc sealing cable gland, 3 pcs sealing plug, 2 pcs fastening spring, double clamp for power cables, stainless steel clips, compact fluorescent lamp DULUX S/E 9 W or DULUX S/E 11 W, pictograms

On request: AUTOTEST – light fitting equipped with autotest
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

Marking: maintained emergency lighting (MULTI), non-maintained emergency lighting (Em)

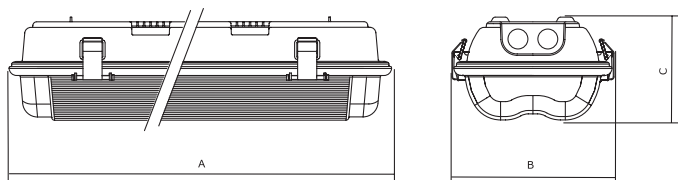
			ABxC (mm)
- non-maintained emergency mode, $0 \leq t_a \leq 30^\circ\text{C}$			
052022	BASET-N-I-PC-109, 1x9W, 3h	TC-SEL/2G7	338 x 173 x 105
052040	BASET-N-I-PC-111, 1x11W, 3h	TC-SEL/2G7	338 x 173 x 105
- electronic ballast, maintained emergency mode, $0 \leq t_a \leq 30^\circ\text{C}$			
052030	MULTIBASET-N-PC-109-EP, 1x9W, 3h, 2G7	TC-SEL/2G7	338 x 173 x 105
052031	MULTIBASET-N-PC-111-EP, 1x11W, 3h, 2G7	TC-SEL/2G7	338 x 173 x 105
- special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		
051131	Self-locking cable suspender POINTER, VIPET – 2x (2 pcs)		
003571	Stainless steel clip POINTER, VIPET		
001718	Stainless steel fastening spring POINTER, VIPET – 2x (1 pc)		

Application of light fixtures in areas with danger of explosion

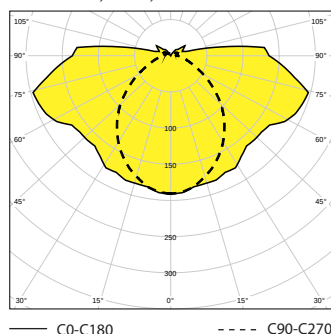
	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

BASET – N – I		MULTIBASET – N – I	
1x9 W	II 3G Ex nA IIC T6 Gc II 3D Ex tc IIIC T45°C Dc	1x9 W	II 3G Ex nA IIC T6 Gc II 3D Ex tc IIIC T45°C Dc
1x11 W	II 3G Ex nA IIC T6 Gc II 3D Ex tc IIIC T45°C Dc	1x11 W	II 3G Ex nA IIC T6 Gc II 3D Ex tc IIIC T45°C Dc

FTZÚ 04 ATEX 0219X



BASET-N-I-PC, 1x11W, IP 66



For areas with with the appearance of oily emulsions, aggressive chemicals, vibration, mechanical stress we recommend to use the fixtures series RAMBO-N, AQUA-N, PITBUL-N or SALUKA-N.

AQUA-N

IP 68



Application: premises with danger of explosion. Light fixture is certified by FTZU Ostrava-Radvanice (certification FTZU 02 ATEX 0445X).

Ballast: **K** – electromagnetic ballast 230 V/50 Hz, with parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from **PC** (polycarbonate), transparent colour; sealing plugs at the ends of tubes. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

Fastening: Fastening on ceiling or wall lighted area with mounting brackets, suspension by means of self-locking suspenders or with suspension brackets

Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland,

On request: **1/3 F** – one or three phase through-wiring connection

AS – assymetric reflector

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

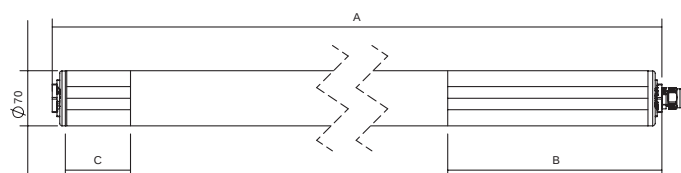
			ASB (mm)
– electronic ballast, -20°C ≤ ta ≤ +40°C			
083723	AQUA-N-118-EP, 1x18W		1081 x 367 x 95
083724	AQUA-N-136-EP, 1x36W	T26/G13	1691 x 367 x 95
083725	AQUA-N-158-EP, 1x58W		1991 x 367 x 95
– inductive ballast, -20°C ≤ ta ≤ +40°C			
083720	AQUA-N-118-K, 1x18W		1150 x 240 x 261
083721	AQUA-N-136-K, 1x36W	T26/G13	1740 x 240 x 242
083722	AQUA-N-158-K, 1x58W		2089 x 240 x 291
– special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		
051106	Plastic suspension bracket with accessories		
051127	Self-locking cable suspender (2 pcs) – order also plastic mounting bracket		
053630	Plastic mounting bracket (1 pc)		
053628	Stainless steel mounting bracket (1 pc)		

Application of light fixtures in areas with danger of explosion

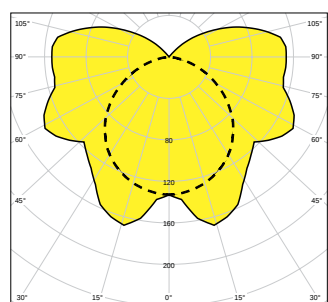
	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	ČSN EN 60079-14 ČSN EN 60079-10-1

AQUA-N	
1x18W	II 3D Ex tc IIC T75°C Dc II 3G Ex nA IIC T4 Gc
1x36W	II 3D Ex tc IIC T75°C Dc II 3G Ex nA IIC T4 Gc
1x58W	II 3D Ex tc IIC T75°C Dc II 3G Ex nA IIC T4 Gc

FTZÚ 02 ATEX 0445X

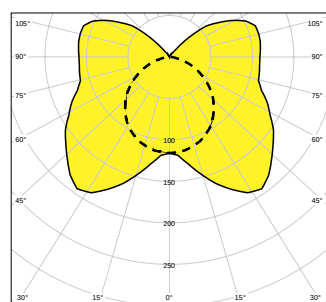


AQUA-N, 1x36W, IP68

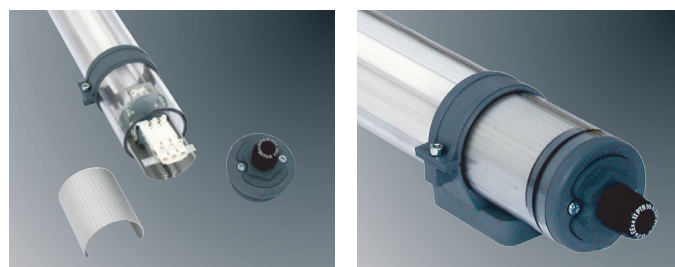


— C0-C180 - - - - C90-C270

AQUA-N, 1x28W, IP68



— C0-C180 - - - - C90-C270



RAMBO-N

IP 67



Application: premises with danger of explosion. For outdoor use we recommend to order the stainless steel providing. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 02 ATEX 0446X).

Ballast: **K** – electromagnetic ballast 230 V/50 Hz, with parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL9003; plastic sides from **PC** (polycarbonate) at the ends of body

Cover: Plastic tube with outer diameter of 70 mm and wall thickness of 4 mm made from **PC** (polycarbonate), transparent colour; sealing plugs at the ends of tubes. Inside the tube is aluminum profile for mounting components. Special aluminium profile serves to cover electrical parts.

Reflector: Highly polished aluminium sheet

Fastening: Fastening on ceiling or wall lighted area

Connection: Screw connector terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland,

On request: 1/3 F – one or three phase through-wiring connection

NEREZ – body from stainless steel sheet

RAL – another colour finishing

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

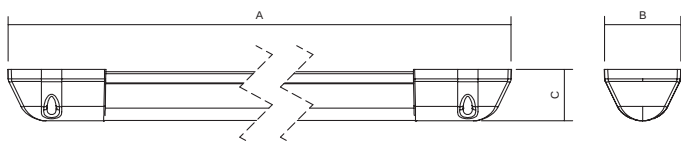
			ABxC (mm)
- inductive ballast, -20°C ≤ t_a ≤ +40°C			
083678	RAMBO-N -118-K, 1x18W	T26/G13	1318 x 113 x 76
083679	RAMBO-N-136-K, 1x36W		1909 x 113 x 76
- special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		
004569	Screw with special head		
002020	Spanner for mounting and dismantling special screw		

Application of light fixtures in areas with danger of explosion

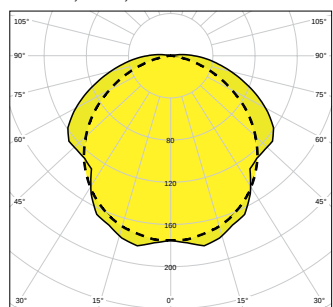
	Marking of external influences	Classification areas	
		Marking	Formation prescription
Danger of explosion of flammable dust	BE3N1	ZONA 22	CSN EN 60079-14 CSN EN 60079-10-2
Danger of explosion of flammable gases and vapors	BE3N2	ZONA	CSN EN 60079-14 CSN EN 60079-10-1

RAMBO-N	
1x18W	Ⓜ II 3G Ex nA IIC T4 Gc Ⓜ II 3D Ex tc IIIC T75°C Dc
1x36W	Ⓜ II 3G Ex nA IIC T4 Gc Ⓜ II 3D Ex tc IIIC T75°C Dc
1x58W	Ⓜ II 3G Ex nA IIC T4 Gc Ⓜ II 3D Ex tc IIIC T75°C Dc

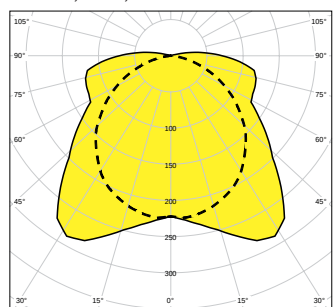
FTZÚ 02 ATEX 0446X



RAMBO-N, 1x18W, IP 67



RAMBO-N, 1x54W, IP 67





PITBUL-N

IP 65



Application: premises with danger of explosion. They can be used in areas with difficult and expensive replacement of light sources. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 05 ATEX 0199X).

Ballast: **K** – electromagnetic ballast 230 V/50 Hz, with parallel compensation
EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening with M8 screws through the base, with ceiling brackets or bracket grips screwed to the sides of the body, suspension via suspension brackets, into false ceiling by means of recessed frame.

Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

On request: **1/3 F** – one or three phase through-wiring connection

NEREZ – body from stainless steel sheet

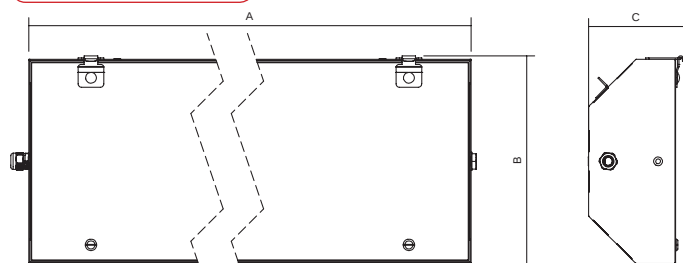
RAL – another colour finishing

Em – non-maintained emergency lighting (1 h, 3 h)

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

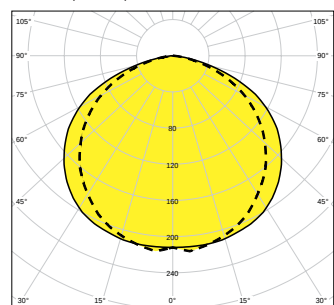
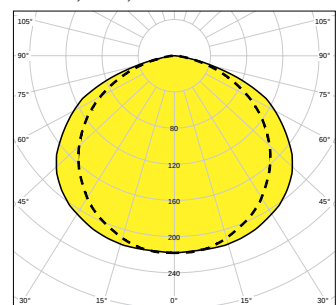
NANO – light fixture protected by special nanolayer (hydrophobic, oleophobic or antibacterial protection)

FTZÚ 05 ATEX 0199X



PITBUL-N, 2x36W, IP65

PITBUL-N, 4x58W, IP65



— C0-C180

---- C90-C270

— C0-C180

---- C90-C270

			
– electronic ballast, -20°C ≤ t_a ≤ +40°C			
053870	PITBUL-N-I-118-EP, 1x18 W	T26/G13	701 x 302 x 130
053871	PITBUL-N-I-218-EP, 2x18 W		701 x 302 x 130
053872	PITBUL-N-I-318-EP, 3x18 W		701 x 302 x 130
053873	PITBUL-N-I-418-EP, 4x18 W		701 x 362 x 130
053874	PITBUL-N-I-136-EP, 1x36 W		1312 x 302 x 130
053875	PITBUL-N-I-236-EP, 2x36 W		1312 x 302 x 130
053876	PITBUL-N-I-336-EP, 3x36 W		1312 x 302 x 130
053877	PITBUL-N-I-436-EP, 4x36 W		1312 x 362 x 130
053878	PITBUL-N-I-158-EP, 1x58 W		1611 x 302 x 130
053879	PITBUL-N-I-258-EP, 2x58 W		1611 x 302 x 130
053880	PITBUL-N-I-358-EP, 3x58 W		1611 x 302 x 130
053881	PITBUL-N-I-458-EP, 4x58 W		1611 x 362 x 130
– special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		
053940	Set of bracket grips with accessory (2 pcs)		
053941	Recessed frame 1/2/3x18W – 384,4 x 775 mm (mounting hole 323 x 742 mm)		
053942	Recessed frame 4x18W – 443,4 x 775 mm (mounting hole 383 x 742 mm)		
053943	Recessed frame 1/2/3x36W – 384,4 x 1385 mm (mounting hole 323 x 1353 mm)		
053944	Recessed frame 4x36W – 443,4 x 1385 mm (mounting hole 383 x 1353 mm)		
053945	Recessed frame 1/2/3x58W – 384,4 x 1685 mm (mounting hole 323 x 1653 mm)		
053946	Recessed frame 4x58W – 443,4 x 1685 mm (mounting hole 383 x 1653 mm)		
054935	Set of stainless steel ceiling brackets (2 pcs)		
004642	Suspension bracket M8 (1 pc)		
051146	Pole bracket for Ø50 mm		

Application of light fixtures in areas with danger of explosion

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

PITBUL-N	PITBUL-N-EP
1x/2x/3x/4x18W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T78°C Dc	1x/2x/3x/4x18W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T78°C Dc
1x/2x/3x/4x36W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T78°C Dc	1x/2x/3x/4x36W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T78°C Dc
1x/2x/3x/4x58W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T78°C Dc	1x/2x/3x/4x58W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T78°C Dc



FILA-N

IP 65



Application: premises with danger of explosion. They can be used in paint boxes and paint shops. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 05 ATEX 0043X).

Ballast: EP – electronic ballast 220-240 V/50-60 Hz AC, 220-240 V DC, 176-280 V DC (min. discharge ignition voltage of lamp ≥ 198 V DC)

Body: White painted metal sheet RAL9003

Cover: Tempered safety glass

Reflector: White painted metal sheet RAL9003

Fastening: Fastening to the false ceiling on the wall (care must be taken on a sufficiently rigid carrier substrate)

Connection: Screwless five-pole terminal block, max. diameter of wires 2,5 mm²

Standard equipment: 1 pc sealing cable gland, 1 pc sealing plug

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

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

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

RAL – another colour finishing

NEREZ – body from stainless steel sheet

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

			Abx (mm)
– electronic ballast, $-20^{\circ}\text{C} \leq t_a \leq +40^{\circ}\text{C}$			
053976	FILA-N-218-EP, 2x18 W	T26/G13	770 x 380 x 65
053954	FILA-N-236-EP, 2x36 W		1370 x 380 x 65
053953	FILA-N-258-EP, 2x58 W		1670 x 380 x 65
053977	FILA-N-336-EP, 3x36 W		1370 x 530 x 65
053983	FILA-N-358-EP, 3x58 W		1670 x 530 x 65
053952	FILA-N-418-EP, 4x18 W		770 x 530 x 65
053951	FILA-N-436-EP, 4x36 W		1370 x 530 x 65
053950	FILA-N-458-EP, 4x58 W		1670 x 530 x 65

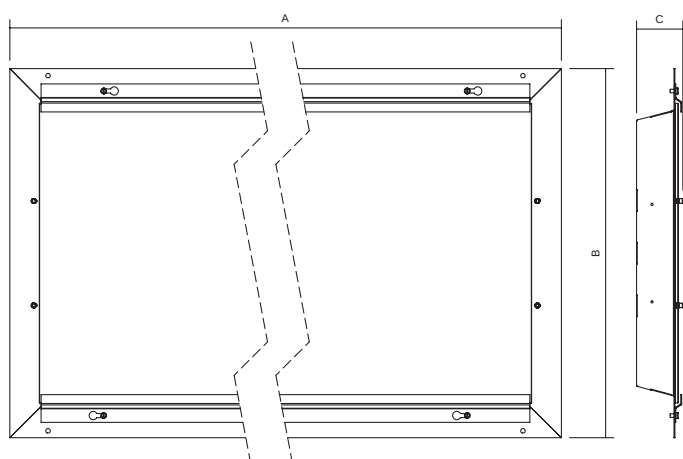
			Abx (mm)
– electronic ballast, duration 1h, $0 \leq t_a \leq 40^{\circ}\text{C}$			
053958	MULTIFILA-N-236-EP, 2x36 W, 1h	T26/G13	1370 x 380 x 65
053956	MULTIFILA-N-258-EP, 2x58 W, 1h		1670 x 380 x 65
053959	MULTIFILA-N-418-EP, 4x18 W, 1h		770 x 530 x 65
053957	MULTIFILA-N-436-EP, 4x36 W, 1h		1370 x 530 x 65
053955	MULTIFILA-N-458-EP, 4x58 W, 1h		1670 x 530 x 65

– special equipment			
008060	Cable gland Ex M20x1,5		
008097	Plastic nut WISKA EMUG 20 M20x1,5		
008090	Sealing plug Ex M20x1,5		

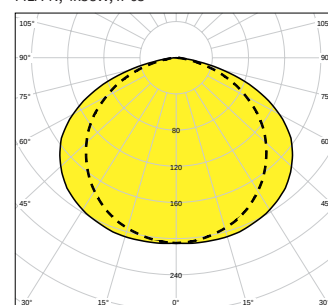
Application of light fixtures in areas with danger of explosion

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

FILA-N-EP	MULTIFILA-N-EM
2x36/58W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T 60°C Dc	2x36/58W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T 60°C Dc
4x18/36/58W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T 60°C Dc	4x18/36/58W ⊕ II 3G Ex nA IIC T4 Gc ⊕ II 3D Ex tc IIIC T 60°C Dc



FILA-N, 4x58W, IP65



— C0-C180 - - - - C90-C270



K-2-N, K-3-N

IP 65



Application: premises with danger of explosion. They can be used in interior or exterior areas. Light fixture is certified by FTZU Ostrava-Radvanice (certificate FTZU 06 ATEX 0058X).

Ballast: Electromagnetic ballast 230 V/50 Hz, with parallel compensation

Body: Alluminium casting

Cover: Tempered safety glass

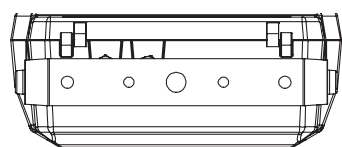
Reflector: Aluminium hammer plate, anodized surface

Fastening: Fastening on the base by means of positioning bracket grips

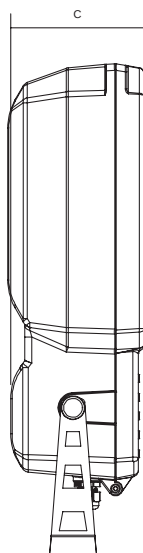
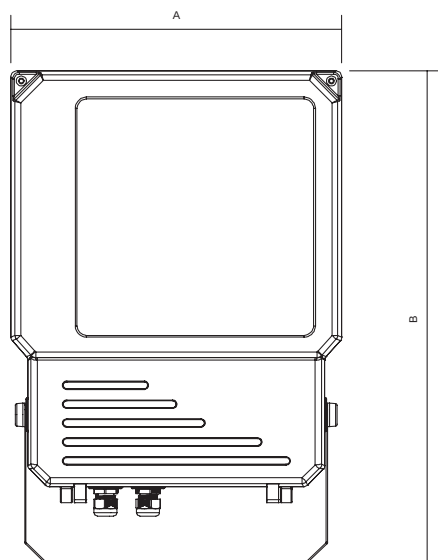
Connection: Screwless three-pole terminal block, max. diameter of wires 2,5 mm²; light fixture is ready to connect two wires

Standard equipment: 2 pcs sealing cable gland

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



FTZÚ 06 ATEX 0058X



			AxBxC (mm)
- K-2-N, high pressure sodium discharge lamp HST, -20°C ≤ t_a ≤ +40°C			
054530	K-2-N-150S-SYM, E40, 1 x 150W	HST/E40	350 x 524 x 160
054531	K-2-N-150S-ASYM, E40, 1 x 150W		350 x 524 x 160
054532	K-2-N-250S-SYM, E40, 1 x 250W		350 x 524 x 160
054533	K-2-N-250S-ASYM, E40, 1 x 250W		350 x 524 x 160

- K-2-N, high pressure metal halide lamp HIT, -20°C ≤ t_a ≤ +40°C			
054529	K-2-N-150H-SYM, 1x150W, E40	HIT/E40	350 x 524 x 160
054528	K-2-N-150H-ASYM, 1x150W, E40		350 x 524 x 160
054534	K-2-N-250H-SYM, E40, 1 x 250W		350 x 524 x 160
054535	K-2-N-250H-ASYM, E40, 1 x 250W		350 x 524 x 160

			AxBxC (mm)
- K-3-N, high pressure sodium discharge lamp HST, -20°C ≤ t_a ≤ +40°C			
054540	K-3-N-250S-SYM, E40, 1x250W	HST/E40	452 x 660 x 218
054541	K-3-N-250S-ASYM, E40, 1x250W		452 x 660 x 218
054536	K-3-N-400S-SYM, E40, 1 x 400W		452 x 660 x 218
054537	K-3-N-400S-ASYM, E40, 1 x 400W		452 x 660 x 218

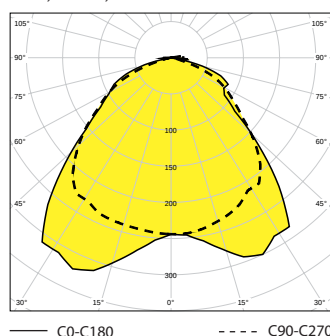
- K-3-N, high pressure metal halide lamp HIT, -20°C ≤ t_a ≤ +40°C			
054542	K-3-N-250H-SYM, E40, 1x250W, 3,0A	HIT/E40	452 x 660 x 218
054543	K-3-N-250H-ASYM, E40, 1x250W, 3,0A		452 x 660 x 218
054538	K-3-N-400H-SYM, E40, 1 x 400W		452 x 660 x 218
054539	K-3-N-400H-ASYM, E40, 1 x 400W		452 x 660 x 218

Application of light fixtures in areas with danger of explosion

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

K-2-N	K-3-N
150W/HST	400W/HST
⊕ II 3G Ex nA IIC T1 Gc	⊕ II 3G Ex nA IIC T1 Gc
⊕ II 3D Ex tc IIIC T 181°C Dc	⊕ II 3D Ex tc IIIC T 181°C Dc
150W/HIT	400W/HIT
⊕ II 3G Ex nA IIC T1 Gc	⊕ II 3G Ex nA IIC T1 Gc
⊕ II 3D Ex tc IIIC T 181°C Dc	⊕ II 3D Ex tc IIIC T 181°C Dc
250W/HST	250W/HST
⊕ II 3G Ex nA IIC T1 Gc	⊕ II 3G Ex nA IIC T1 Gc
⊕ II 3D Ex tc IIIC T 181°C Dc	⊕ II 3D Ex tc IIIC T 181°C Dc
250W/HIT	250W/HIT
⊕ II 3G Ex nA IIC T1 Gc	⊕ II 3G Ex nA IIC T1 Gc
⊕ II 3D Ex tc IIIC T 181°C Dc	⊕ II 3D Ex tc IIIC T 181°C Dc

K-2-N, 1x250W, IP65



K-3-N, 1x400W, IP65, assymetric reflector

