

Technical conditions for mounting series PITBUL-N-LED, PITBUL-N-Em-LED and MULTIPITBUL-N-LED

In case of any envying on lights fitting in premises with danger of explosion, the national safety rules and regulation for prevention of accidents are to be observed.
PITBUL-N-LED – are dustproof and waterproof lighting fixtures designed for the lightning premises with danger of explosive atmosphere.
PITBUL-N-Em-LED – are dustproof and waterproof emergency lighting fixtures designed for the lightning premises with danger of explosive atmosphere.
MULTIPITBUL-N-LED – maintained emergency lighting fixtures designed for the lightning premises with danger of explosive atmosphere.

Mounting of light fittings:

- Take the fixture from transporting packing.
- Unbolt the screws on glass cover and remove it.
- Unbolt the screws of reflector and take it from the housing.
- Fix empty housing on the base by means of one of allowed fastening possibilities.
- Pass the supply cable through the cable gland. Fix the cable gland properly when the sealing rubber washer is partially damaged. The outer diameter of the supply cable must be in the range (table List of cable glands), which is necessary condition for the right function of the cable gland. The hole for the supply cable in the sealing plug of the light fitting, in which the cable gland is not used, has to be properly packed with plug.
- Plug in the supply cable into the free part of the feeding terminal block as follows:

	PITBUL-N-LED	PITBUL-N-Em-LED	MULTIPITBUL-N-LED
on terminal L1	- phase conductor	on terminal L1	on terminal L1
on terminal N	- neutral conductor	on terminal N2	- cond. of charging phase
on terminal ⊕	- protective conductor	on terminal ⊕	- neutral conductor
			- protective conductor

To each pole of terminal block can be connected two conductors with cut 0,5 – 2,5mm².

Attend to correct stripping (8 – 9 mm) and connection on terminals.

- Insert the reflector back to the body and lock with screws.
- Close the glass and fasten it properly. (tighten the screws to maximum)

Test of operation:

For correct operation it is necessary to observe enclosed instruction about testing of emergency fixtures. Switch the luminaire off the mains voltage. LED module, emergency lamp (green marker) must light control LED diode goes out. Should the emergency lamp be extinguished within the test period though the battery is fully charged, the latter will have to be replaced by a new battery set.
Warning: The full battery capacity will be available after approximately three charging/discharging cycles.

Warning for the mounting of light fittings PITBUL-N-LED, PITBUL-N-Em-LED and MULTIPITBUL-N-LED:

- The fitting can be installed only by authorized person.
- Producer included in recycling system provided by EKO-KOM company (EK-F06022453).
- The light source in this lighting fixture can be replaced only producer or its contractual service technique or a similarly qualified person.
- WARNING – potential danger of electrostatic charging.
- WARNING – the lightning fixture must be installed in the position, which does not allow the touch of persons and parts of the fixture.
- When installing lightning fixture, observe the ESD safety using appropriate tools!
- When the mounting instructions are not observed, the producer can't be responsible for incidental damages incurred.
- The light fitting can be fastened with several possible methods:
 - through the background by means of screws M8
 - by means of hanging eye
 - by means of recessed frame
 - by means of ceiling mount
 - by hanging eye

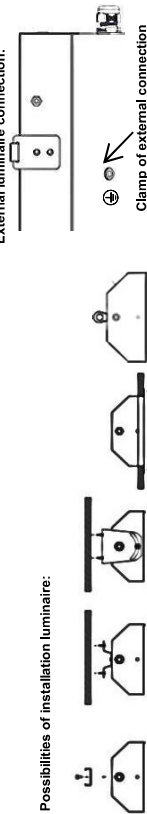
Maintenance:

WARNING – the fixture should be cleaned with damp duster only. It is necessary to keep periodic cleaning intervals of lighting fixture.

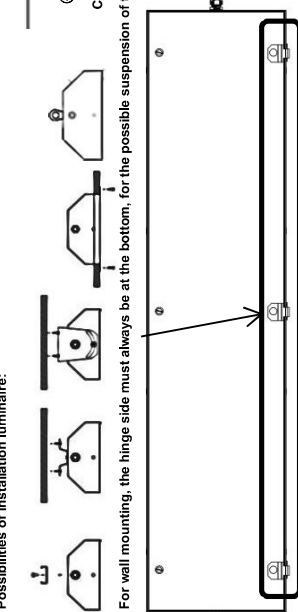
Table: List of cable glands:

	Diameter of the cable for cable glands M20x1,5	Diameter of the cable for cable glands M25x1,5
OBO VITEC Ex	Ø7-12mm	Ø12-18mm
CEAG CHG 960 92.. P...	Ø5,5-13mm	-
WISKA ESKEIT (S)(L)(C)(*) (RDE)	Ø7-13mm	Ø10-17mm
ELFIT UNI	Ø7-12mm	-
BIMED LYRA (EURO-TOP)	Ø7-12mm	Ø12-17mm

External luminaire connection:



Possibilities of installation luminaire:



For wall mounting, the hinge side must always be at the bottom, for the possible suspension of the luminaire.

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Application of light fittings:
The explosion proof light fittings meet the standards according to the EU instructions 2014/34/EU. They can be used in areas with danger of explosion according to the following chart:

Area with danger of explosion	Marking of exterior ambient	Classification of area
Danger of explosion of inflammable	BE3N1	ZONE 21
Danger of explosion of inflammable gas and vapors	BE3N2	ZONE 2

Technical data:

- Admissible range of operating temperature PITBUL-N-LED-5000-218 Ta -20°C to +65°C
- Admissible range of operating temperature PITBUL-N-LED-10000/15000-236/258 Ta -20°C to +65°C
- Admissible range of operating temperature PITBUL-N-LED-10000-418 Ta -20°C to +65°C
- Admissible range of operating temperature PITBUL-N-LED-18300-436 Ta -20°C to +50°C
- Admissible range of operating temperature PITBUL-N-LED-29000-458 Ta -20°C to +45°C
- Admissible range of operating temperature MULTIPITBUL-N-LED-5000/10000/15000-218/236/258 Ta 0°C to +40°C
- Admissible range of operating temperature MULTIPITBUL-N-LED-10000/18300/29000-418/436/458 Ta 0°C to +35°C
- Admissible range of operating temperature PITBUL-N-Em-LED-500-218-236-258 Ta 0°C to +50°C

Insulation level: IP65

Rated voltage and frequency:

- for ballasts HELVAR: 220-240V, 0/50/60 Hz
- for ballasts TRIDONIC: 220-240V, 0/50/60 Hz
- for ballasts HADLER: 220-240V, 0/50/60 Hz
- for ballasts TCI: 110-240V, 50/60 Hz
- for ballasts TCI: 220-240V, 0 Hz
- for emergency systems AWEX: 220-240V, 50/60Hz
- for emergency systems TRIDONIC: 220-240V, 50/60Hz

Operation and maintenance instructions:

- The light fittings, which operate in areas of above mentioned premises, are under the requirements resulting from compulsory regulations of valid EN:
 - the light fitting must not be open, if the terminal block is alive.
 - Any change on elements of components of the light fittings, which can influence the protection before the danger of explosion, are forbidden.
 - The light fittings can be done only by person with relevant qualification, only with original spare parts and in compliance with the latest regulations.
- The operation with cracked cover is forbidden, replace the damaged cover immediately!!!
- In the fixtures series PITBUL-N-Em-LED and MULTIPITBUL-N-LED can be used through wiring connection.
- Maximum allowed number of connected fixtures is referred in table. Recommended protection is type B, 10A.

The fixtures are certified by FTZU - AO 210, Ostrava - Radvanice:

- Certificate type FTZU 17 ATEX 0129X from date 15.02.2018

Marking lights:

- II 3G Ex nR IIC T6 Gc
- II 3D Ex tc IIIC T68°C Dc

Maximum admissible number of PITBUL-N-LED, MULTIPITBUL-N-LED light fittings with one-phase and three-phase through wiring connection:

PITBUL-N-LED	one-phase			three-phase		
	MULTIPITBUL-N-LED	PITBUL-N-LED	MULTIPITBUL-N-LED	PITBUL-N-LED	MULTIPITBUL-N-LED	PITBUL-N-LED
218	20	418	13	218	19	418
236	10	436	7	236	9	436
258	7	458	4	258	6	458

Dimensions of mounting holes for recessed frames:

Type of luminaire	Hole dimension	Type of luminaire	Hole dimension	Type of luminaire	Hole dimension
258	1653x323mm	236	1353x323mm	218	742x323mm
458	1653x383mm	436	1353x383mm	418	742x383mm

Battery change:

Battery change is necessary when the fixture doesn't observe the conditions of rated operation period durability. In explosive area it is prohibited to disconnect battery for emergency unit. It is allowed to disconnect the fixture from supply voltage and take remove reflector from the fixture.

- Disconnect the fixture from supply voltage.
- Unbolt the screws on glass cover and remove it.
- Unbolt the screws of reflector and take it from the housing.
- Disconnect battery from emergency unit in non-explosive area as follows: „-“black conductor and „+“red conductor.
- Remove the old battery.
- Screw the new battery (mark the date of operation start).
- Connect conductors to battery as follows: „+“red conductor and „-“black conductor.
- Insert the reflector back to the body and lock with screws.
- Close the glass and fasten it properly.
- Connect the fixture to the supply voltage.

WARNING: The battery in the fixture can be changed for the same type or the same parameters only!!!