

Technical conditions for mounting series

BASET-N-LED, MULTIBASET-N-LED, BASET-N-Em-LED

In case of any eving on light fitting in premises with danger of explosion, the national safety rules and regulation for prevention of accidents are to be observed. The BASET-N-LED, MULTIBASET-N-LED, BASET-N-Em-LED luminaires are LED dustproof and waterproof lighting fixtures designed for the lightening premises with danger of explosion.

BASET-N-Em-LED – non - maintained emergency lifting.

MULTIBASET-N-LED - maintained emergency lifting.

Mounting instruction:

1. Take the fixture from transporting packing.
2. Remove reflector from the luminaire.
3. Remove the bag with equipment.
4. The side opening in the body plant the cable gland (which is included in the luminaire equipment), and on the other side of her body screw the nut. Cable gland nut to the body, tighten torque 2,7Nm.
5. Fasten the lighting fixture on the base: a) With fastening spring directly on the base pict.1
b) With a cable suspension (no included) pict.2
6. **Note: another method of fastening is not allowed!**
Pull the power cable through the cable gland. Tighten bushings to a state of partial deformation of the rubber sealing washers, tightening torque 2,5Nm. Supply cable must have an outer diameter in the range (see. "Table sealing areas), which is a necessary condition for correct function of cable gland. Hole for power cable in the housing, which is not used cable gland (which is contained in the equipment luminaires), seal blanking plug. In the luminaire is not allowed to use respiratory protective plugs and cable glands breathing.
Recommendation: Attend to correct stripping and supply cable connection.
7. Connect supply cable into the feeding terminal block as follows:

BASET-N-LED		BASET-N-Em-LED		MULTIBASET-N-LED	
on terminal L1	- phase conductor	on terminal L1	- cond. of charging phase	on terminal L1	- cond. of charging phase
on terminal N	- neutral conductor	on terminal N	- neutral conductor	on terminal L2	- cond. of switching phase
on terminal Ⓞ	- protective cond.	on terminal Ⓞ	- protective cond.	on terminal N	- neutral conductor
				on terminal Ⓞ	- protective conductor

To each pole of terminal block can be connected two conductors in cut 0.75 - 2.5 mm².
Attend to correct stripping (8 - 9 mm) and connection on terminals.

8. Insert the reflector back into the fixture and secure it with a plastic latch that holds the reflector on the body. In the case of a luminaire with one row of LED modules, snap the reflector onto the metal handle.
9. Pull the stainless clips (which are included in the equipment) into the prepared plugs on body.
10. Attach the luminaire cover to the housing so that it abuts all the circumference of the seal located in the luminaire housing slot.
11. Secure the optical cover with stainless steel clips.

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. The emergency LED module must light. The green LED in the reflector is off. Should the emergency lamp be extinguished within the test period through 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 BASET-N-LED, MULTIBASET-N-LED, BASET-N-Em-LED light fittings:

The light source and gasket in this lighting fixture can be replaced only producer or its contractual service technique or a similarly qualified person. The fitting cable installed only by authorized persons.

Prohibit the use of tools for the removal of the luminaire cover and the EKO-KOM Company (EK-F06070058).

WARNING – the lighting fixture must be installed in the position, which does not allow the touch of persons and parts of the fixture.

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WARNING – do not open under voltage.

WARNING – replace protective cover.

WARNING - DON'T OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

When installing lighting fixture, observe the ESD safety using appropriate tools!

Lighting fixtures are not allowed to be used in atmospheres with appearance of vibrations, aggressive chemical substances and smear.

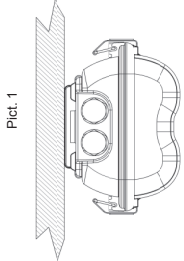
Such conditions decrease lifetime of plastic parts.

Maintenance:

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

Table: List of cable glands	
Cable glands	Diameter of the cable for cable glands M20x1,5
OBO V-TEC Ex	Ø7-12mm
CEAG CHG 960 92. P...	Ø5.5-13mm
WISKA ESKE71 (S)-L(-)-RDE	Ø7-13mm
ELFIT UNI	Ø7-12mm

Possibilities for installation:



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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 explosiv	Marking of exterior ambient	Marking	Classification of area
Danger of explosion of inflammable dust	BE3N1	ZONE 22	CSN EN 60079-14 CSN EN 60079-10-2
Danger of explosion of inflammable gas and vapour	BE3N2	ZONE 2	CSN EN 60079-14 CSN EN 60079-10-1

Technical data:

Admissible range of operating temperature BASET-N-LED-2R-28502600/250-4K

Admissible range of operating temperature BASET-N-LED-1R-18001500/1300-4K

Admissible range of operating temperature MULTIBASET-N-LED-1800/1500/1300-4K

Admissible range of operating temperature BASET-N-Em-LED-350-4K

Protection level: IP66

Insulation class: I

Rated voltage and frequency:

for driver TC1:	220-240 V, 0/50/60 Hz
for driver TRIDONIC:	110-120 V, 50/60 Hz
for driver ELT:	220-240 V, 0/50/60 Hz
	110-240 V, 0/50/60 Hz

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.
- Free outlets for supply cable must be sealed with plugs M20.
- Any change or replacement of components of the light fittings, which can influence the protection before the danger of explosion, are forbidden.
- The repair of 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 BASET-N-LED, MULTIBASET-N-LED, BASET-N-Em-LED can be used through wiring connection. Maximum allowed number of connected fixtures is referred in table. Recommended protection is type B, I0A.
- The lighting fixture can be connected to the mains supply with a cable with cross sections in the range of 1mm² - 2.5mm².

The fixture are certified by FTZÜ, AQ 210, Ostrava – Radvaň:

- 1) Certificate of type FTZÜ 18 ATEX 0048X from date 17.9.2018

Marking lights:

- Ⓢ II 3G Ex nR IIC T6 Gc
- Ⓢ II 3D Ex tc IIC T65°C Dc

Maximum permissible number of continuously single-phase and connected BASET-N-LED, MULTIBASET-N-LED luminaires:

BASET-N-LED	
MULTIBASET-N-LED	
(MULTI)BASET-N-LED-X-1R/2R	25

Maximum permissible number of continuously three-phase and connected BASET-N-LED, MULTIBASET-N-LED luminaires:

BASET-N-LED	
MULTIBASET-N-LED	
(MULTI)BASET-N-LED-X-1R/2R	20

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.

1. Disconnect the fixture from supply voltage.
2. Remove reflector from the housing.
3. Disconnect cable from terminal block.
4. Disconnect battery from emergency unit in non-explosive area as follows: „+“ black conductor and „+“ red conductor.
5. Unbolt the nut of battery holder
6. Remove the old battery.
7. Screw the new battery (mark the date of operation start).
8. Connect conductors to supply voltage as follows: „+“ red conductor and „-“ black conductor.
9. Connect the fixture to supply voltage.
10. Equip with reflector and cover. Fix it with the clips.

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