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Technical conditions for mounting series AQUA-70-Ex-LED

In case of any erving on light fitting in premises with danger of expbsion, the national safety rules and regulation for prevention of accidents are to be observed. The light fittings must not be installed simultaneously in premises with danger of explosion of inflammable dust and inflammable gas and vapors. The light fittings are not suitable for zone of hazardous area.

- Integring Instructions

 Remove protective foil from the tube.

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 Attach the luminaire to plastic or metal mourting bracket (allowed three mounting possibilities). The screws on mounting bracket tighten with torque 2Nm. Fasten the luminaire on the base by means of one of allowed fastening possibilities.

 Remove 2 pcs. of hexaponal screws on the plug.

 Take out covering profile above terminal block.

 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 no.1 List of cable glands, which is a necessary condition for correct function of cable gland.

 Connect supply cable into the feeding terminal block as follows:

AQUA-70-Ex-LED

on terminal L1 - phase conductor
on terminal N - neutral conductor
on terminal ⊕ - protective conductor

- Look out for the right wire stripping (9 10 mm) and conductor engagement into the terminal block. The terminal block is adjusted for the connection of conductors with diameter up to 4 mm?. In case of the through wiring connection, observe the possible maximum number of light fittings. Put on covering profise back and put alumnium profile into table. Put put on covering profile back and put alumnium profile into table. Put put in the table. Attend to correct positions of terminal block holders on boilts of the plug, in case of version with disconnector attend to correct touch of the disconnecting place on the surface. For the accounteding place on the surface. For the accounteding place on the surface. For the accounted into the control of the plug in the surface of the plug in the surface of the plug in the surface. The plug in the surface of the surface of the plug in the surface of the sur

11. After scriwes fixation check correct position of O-ring insists of PC tube.

Warning for the mounting of AQUA-70-Ex-LED light fiftings:

The fitting can be installed only by authorized person.

Producer included in recycling system provided by EKO-KOM Company. (EK-F08070058)

The light source inhibits lighting fixation can be replaced only producer or its contractual service technique or a similarly qualified person.

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WARNING - Any change or replacements of components of the light fittings, which can influence the protection before the danger of explosion are forbidden.

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When the mounting instructions are not observed, the producer can the responsible for incidental damages incurred.

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.

The luminairic can be fastened with several possible methods with plastic or metal sheet mounting bracket.

- directly on the base (no included) (picture 1)

- with mounting bracket and a cable superposition (no included) (picture 2)

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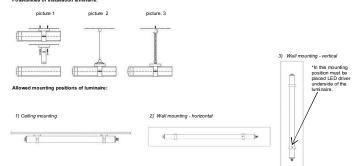
nce: 3 – the fixture should be cleaned with damp duster only. It is necessary to keep periodic cleaning intervals of lighting fixture.

Table no.1: Table sealing areas for different types 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 ESKE/1 (S)(-L)(-*)(-RDE)	Ø7-13mm	
ELFIT UNI	Ø7-12mm	

Luminaire	A (mm)	B (mm)	C (mm)
AQUA-70-Ex-LED-4000-118	1149	425	65
AQUA-70-Ex-LED-8000-136	1709	425	65





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:

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Prostor s nebezpečím výbuchu	Označení vnějších vlivů	Klasifikace prostor				
		Označení	Zřízovací předpis			
Nebezpeči výbuchu hořlavých prachů	BE3N1	ZÓNA 21, ZÓNA 22	CSN EN 60079-14 ČSN EN 60079-10-2			
Nebezpečí výbuchu hořlavých plynů a par	BE3N2	ZÓNA 1, ZÓNA 2	CSN EN 60079-14 CSN EN 60079-10-1			

Technical data:

Admissible range of operating temperature AQUA-70-Ex-LED-4000-118-4K
Admissible range of operating temperature AQUA-70-Ex-LED-8000-138-4K
Protection level. 1986/88 15m
Insulation class: 1
Insulation class: 1
for ballasts BAREL HFX LEE

for ballasts BAREL HFX LED:

-20°C to +50°C -20°C to +50°C 110-254V, 50/60Hz AC 220-250V, 0Hz DC

The fixtures are certified by FTZÚ, AO 210, Ostrava – Radvanice:

1) Certificate of type FTZÚ 17 ATEX 0052X from date 21. 9. 2017
2) Supplement No. 1 to certificate FTZÚ 17 ATEX 0052X from date 29. 1. 2021

Marking lights:

©II 2G Ex eb mb op is IIC T4 Gb

©II 2G Ex db eb mb op is IIC T4 Gb

©II 2G Ex db eb mb op is IIC T4 Gb

©II 2D Ex db op is IIIC T62°C Db

Maximum admissible number of AQUA-70-Ex-LED light fittings with through wiring connection for circuit breaker B10:

AQUA-70-Ex-LED-4000/8000-118/136 15