

FLXL LED**Upute za uporabu**
User manual**UPOZORENJE**

Upute za uporabu sadrže osnovne informacije o proizvodu. Montaža, instaliranje, uporaba i održavanje trebaju biti izvedeni prema ovoj Uputi kako bi bio osiguran siguran rad unutar nazivnih karakteristika. Ovu Uputu nadopunjuju nacionalni Pravilnici i norme. Odgovorna osoba korisnika je dužna osigurati njihovo provođenje. Neprovođenje može umanjiti protueksplozijsku zaštitu uređaja i dovesti u opasnost ljude, imovinu i okoliš. Svako neispravno i nedozvoljeno postupanje kao i nepoštivanje odredbi ove Upute isključuje svaku odgovornost proizvođača.

Prije ugradnje/puštanja u pogon:

- Pažljivo pročitati cijelu Uputu za uporabu,
- Izvršiti odgovarajuću obuku odgovornog osoblja,
- Provjeriti da je sadržaj ove Upute u potpunosti razumljiv odgovornim osobama,
- Uvjeriti se da su primijenjeni svi zahtjevi nacionalnih Pravilnika i posebne sigurnosne mjere ukoliko postoje.

U slučaju nejasnoća:

- Kontaktirati proizvođača.

Tijekom pogona:

- Osigurati da ove Upute za uporabu i druge radne upute korisnika budu vidljivo istaknute i dostupne odgovornom osoblju cijelo vrijeme,
- Provjeravati provođenje ove Upute i svih drugih sigurnosnih uputa korisnika.

**WARNING**

The user manual contains basic information about the product. Mounting, installation, usage and maintenance should be carried out under this user manual to provide and ensure safe operation within the nominal characteristics. This user manual complements national Regulation and Standards. The responsible person shall ensure their implementation. Failure off implement this user manual can reduce explosion protection and endanger people, property and the environment. Any improper and illegal actions as well as non-compliance with the provisions of this user manual excludes all responsibility by manufacturer side.

Before installation/commissioning:

- Carefully read all instructions,
- Execute proper training of responsible personnel,
- Check that the contents of these instructions is fully understandable by the responsible personnel,
- Make sure that all the requirements and national Regulations as well as all special security measures are applied.

In lack of understanding:

- Contact the manufacturer.

During operation:

- Ensure that this user manual and other work instructions are available to the responsible staff at all times,
- Check the implementation of these instructions and all other safety user's instructions.

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1. NAMJENA

Protueksplozijski zaštićena svjetiljka tip FLXL .. LED -. namijenjena je za opću rasvjetu u industrijskim prostorima na mjestima s potencijalno eksplozivnom atmosferom plinova, para i prašina u zonama opasnosti 1, 2, 21, 22 sukladno normama EN 60079-10-1/-2:2009.

Kvaliteta upotrijebljenih materijala jamči funkcionalnost sukladnu normi, u standardnoj industrijskoj atmosferi.

Za posebne uvjete pogona molimo kontaktirajte proizvođača.

2. SUKLADNOST PROIZVODA

Proizvod je sukladan zahtjevima normi EN 60598-1/A11, EN 62031, EN 62471 i svim povezanim normama.

Proizvod je sukladan ATEX Direktivi 2014/34/EU i normama:

- EN IEC 60079-0:2018,
- EN 60079-1:2014,
- EN IEC 60079-7:2015/A1:2018,
- EN 60079-31:2014.

Proizvod je razvijen, proizveden i ispitan prema postojećem stanju tehnike sukladno normama EN ISO 9001, EN ISO/IEC 80079-34 i EN ISO 14001.

Proizvod je sukladan LVD Direktivi 2014/35/EU.

Proizvod je sukladan RoHS Direktivi 2011/65 EU.

Proizvod je sukladan EMC Direktivi 2014/30/EU.

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1. PURPOSE

Explosion protected luminaire type FLXL .. LED -. is intended for general lighting in industrial premises in places with potentially explosive atmosphere of gases, vapors and dust in danger zones 1, 2, 21, 22 in accordance with standards EN 60079-10-1/-2: 2009.

The quality of the materials ensures compliance with standard functionality in standard industrial atmosphere.

For special requirements please contact the manufacturer.

2. PRODUCT CONFORMITY

The product complies with the EN 60598-1 / A11, EN 62031, EN 62471, and all related regulations.

The product complies with the ATEX Directive 2014/34 EU and standards:

- EN IEC 60079-0:2018,
- EN 60079-1:2014,
- EN IEC 60079-7:2015/A1:2018,
- EN 60079-31:2014.


The product is developed, manufactured and tested according to the prior art in accordance with EN ISO 9001, EN ISO/IEC 80079-34 and EN ISO 14001.

The product is in compliance with the LVD Directive 2014/35 EU.


The product is in compliance with the RoHS Directive 2011/65 EU.

The product is in compliance with the EMC Directive 2014/30 EU.

3. TEHNIČKI PODACI

Certifikat:	FIDI 23 ATEX 0047															
Oznaka kategorije i protueksplozijske zaštite uređaja:		II 2G Ex db IIC T6 Gb II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db														
Temperatura okoline (EN 60079-0):	-20°C ≤ T _a ≤ +50°C															
Mehanička zaštita:	IP66															
Otpornost na udar:	IK 08															
Klasa zaštite:	I (PE - zaštitno uzemljenje)															
Nazivni napon U _n :	230 V / 50-60Hz															
Faktor snage:	cos φ > 0,99															
Nazivna snaga svjetiljke:	FLXL 18 LED: 18 W FLXL 36 LED: 36 W FLXL 55 LED: 55 W															
Svjetlosni tok:	FLXL 18 LED: ~2992 lm FLXL 36 LED: ~5985 lm FLXL 55 LED: ~9143 lm															
Maksimalan broj svjetiljaka (kom.) po jednom automatskom instalacijskom prekidaču:	<table border="1"> <tr> <th colspan="4">Automatski instalacijski prekidač (PLFS-N 100 LED-2,3,4)</th> </tr> <tr> <th>1 p B 10A</th> <th>1 p C 10A</th> <th>1 p B 16A</th> <th>1 p C 16A</th> </tr> <tr> <td>14</td> <td>18</td> <td>18</td> <td>23</td> </tr> </table>				Automatski instalacijski prekidač (PLFS-N 100 LED-2,3,4)				1 p B 10A	1 p C 10A	1 p B 16A	1 p C 16A	14	18	18	23
Automatski instalacijski prekidač (PLFS-N 100 LED-2,3,4)																
1 p B 10A	1 p C 10A	1 p B 16A	1 p C 16A													
14	18	18	23													
Efikasnost svjetiljke u radu:	~ 95 %															
Temperatura boje svjetlosti:	4000 K															
Index uzvrata boje (CRI):	R _a >80															
Očekivana životna dob:	≥50 000 radnih sati - L80/B10															
Uvodi:	- dva Ex d uvoda, M20x1,5-6H, sukladno EN 60079-1, ISO 965-1, ISO 965-3 ili - dva Ex d uvoda, 3/4"NPT, sukladno ANSI/ASME B1.20.1															
Ex db eb adapter:	- tip ADP 23/1 i tip ADP 22/1 II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T85°C Db, - uvodnica ISO 25 za kabele Ø _v 7-15 mm, FIDI 19 ATEX 0014X															
Priključne stezaljke:	FLXL ... LED 0, FLXL ... LED 1. - priključni kontakti za mrežno napajanje L, N, PE, DALI 4 mm ² maks. po stezaljci, jednožični, mnogožični, finožični - sol (r), s (r), f															
	FLXL ... LED 2 - vijčane stezaljke, Ex db eb adapter ADP, za mrežno napajanje L, N, PE kontakti FLXL ... LED 3 - vijčane stezaljke, Ex db eb adapter ADP, za mrežno napajanje L, N, PE kontakti i Ex db eb adapter ADP, za DALI priključak, FLXL ... LED 4															

3. TECHNICAL DATA

Certificate:	FIDI 23 ATEX 0047															
Category and explosion protection:		II 2G Ex db IIC T6 Gb II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db														
Ambient temperature (EN 60079-0):	-20°C ≤ T _a ≤ +50°C															
Degree of protection:	IP66															
Impact resistance:	IK 08															
Class of protection:	I (protective earthing)															
Rated operating voltage:	230 V / 50-60Hz															
Power factor:	cos φ > 0,99															
Rated power of luminare:	FLXL 18 LED: 18 W FLXL 36 LED: 36 W FLXL 55 LED: 55 W															
Luminous flux:	FLXL 18 LED: ~2992 lm FLXL 36 LED: ~5985 lm FLXL 55 LED: ~9143 lm															
Maximum number of lamps (pieces) per one automatic circuit breaker:	<table border="1"> <tr> <th colspan="4">Automatic circuit breaker (PLFS-N 100 LED-2,3,4)</th> </tr> <tr> <th>1 p B 10A</th> <th>1 p C 10A</th> <th>1 p B 16A</th> <th>1 p C 16A</th> </tr> <tr> <td>14</td> <td>18</td> <td>18</td> <td>23</td> </tr> </table>				Automatic circuit breaker (PLFS-N 100 LED-2,3,4)				1 p B 10A	1 p C 10A	1 p B 16A	1 p C 16A	14	18	18	23
Automatic circuit breaker (PLFS-N 100 LED-2,3,4)																
1 p B 10A	1 p C 10A	1 p B 16A	1 p C 16A													
14	18	18	23													
Operation efficiency:	~ 95 %															
Light color temperature:	4000 K															
Color refractive index (CRI):	R _a >80															
Estimated service life:	≥50 000 working hours - L80/B10															
Cable entries:	- two Ex d entries, M20x1,5-6H, according to EN 60079-1, ISO 965-1, ISO 965-3 or - two Ex d entries, 3/4"NPT, according to ANSI/ASME B1.20.1															
Ex db eb adapter:	- type ADP 23/1 and type ADP 22/1 II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T85°C Db, - cable gland ISO 25 for cables Ø _v 7-15 mm, FIDI 19 ATEX 0014X															
Connection terminals:	FLXL ... LED 0, FLXL ... LED 1. - snap-in terminals for mains supply L, N, PE, DALI 4 mm ² max. per terminal, solid, stranded, flexible - sol(r), s(r), f															
	FLXL ... LED 2 - screw terminals, of Ex db eb adapter ADP, for mains supply L, N, PE contacts FLXL ... LED 3 - screw terminals, of Ex db eb adapter ADP, for mains supply L, N, PE and Ex db eb adapter ADP, for DALI connection, max.2,5 mm ² FLXL ... LED 4 - screw terminals, two Ex db eb adapter ADP, for mains supply L, N, PE and trough-wiring - 2,5 mm ² max. per terminal, solid, stranded, flexible - sol(r), s(r), f - nominal fastening torque 1,2Nm															

	<ul style="list-style-type: none"> - vijčane stezaljke, dva Ex db eb adaptera ADP, za mrežno napajanje L, N, PE te prolazno ožičenje -2,5 mm² maks. po stezaljci, jednožični, mnogožični, finožični - sol (r), s (r), f -nazivni moment pritezanja 1,2Nm - Ex eb kabelaška uvodnica ISO 25 na adapteru ADP za kabele ø7-15 mm; - nazivni moment pritezanja 2,5 Nm 	<ul style="list-style-type: none"> - Ex eb cable gland ISO 25 on adapter ADP for cable ø7-15 mm; nominal fastening torque 2,5 Nm
Stezaljka za uzemljenje:	<ul style="list-style-type: none"> - vanjska stezaljka za uzemljenje: max. 2 x 6 mm² po stezaljci jednožični, višezični, finožični - sol(r), s(r), f -moment pritezanja vijka stezaljke 2,2 Nm - unutarnja stezaljka za uzemljenje: Uzemljenje metalnih dijelova preko vodiča 1 mm² – vijčana stopica na spojnoj šipki i PE stezaljci 	<ul style="list-style-type: none"> - earthing terminal (external) (equipotential): 2 x 6 mm² max. per terminal, solid, stranded, flexible - sol(r), s(r), f; - nominal fastening torque 2,2 Nm - earthing terminal (internal) grounding of the metal parts with a 1 mm² conductor - screw lug on the connecting rod and PE terminal
Momenti pritezanja:	<ul style="list-style-type: none"> - tijela Ex db eb provodne čahure i Ex d čepa 3,5 Nm - pritisne matice uvodnice adaptera 2,5 Nm - vijaka priključne stezaljke 1,2 Nm - vijaka priključne stezaljke adaptera 1,2 Nm 	<ul style="list-style-type: none"> - Ex db eb cable gland and Ex d plug 3.5 Nm - adapter cable gland fitting nut 2.5 Nm - connection terminal screws 1,2 Nm - connection terminal screws of the adapter 1,2 Nm

Kod izvedbe s montiranim Ex db eb adapterom (FLXL ... LED 2, FLXL ... LED 3, FLXL ... LED 4) postoje specifični uvjeti uporabe:

- korisnik mora osigurati adekvatno učvršćenje kabela izvan uvodnice zato jer je kabelaška uvodnica višezilnog provodnog izolatora s priključnom komorom ispitana s manjom silom izvlačenja sukladno tč. A.3.1.1 norme EN IEC 60079-0,
- uređaj mora biti ugrađen na mjesta s manjom opasnosti od udara zato što je višezilni provodni izolator s priključnom komorom ispitan nižom energijom udara sukladno EN IEC 60079-0.

Vijčani raspori:

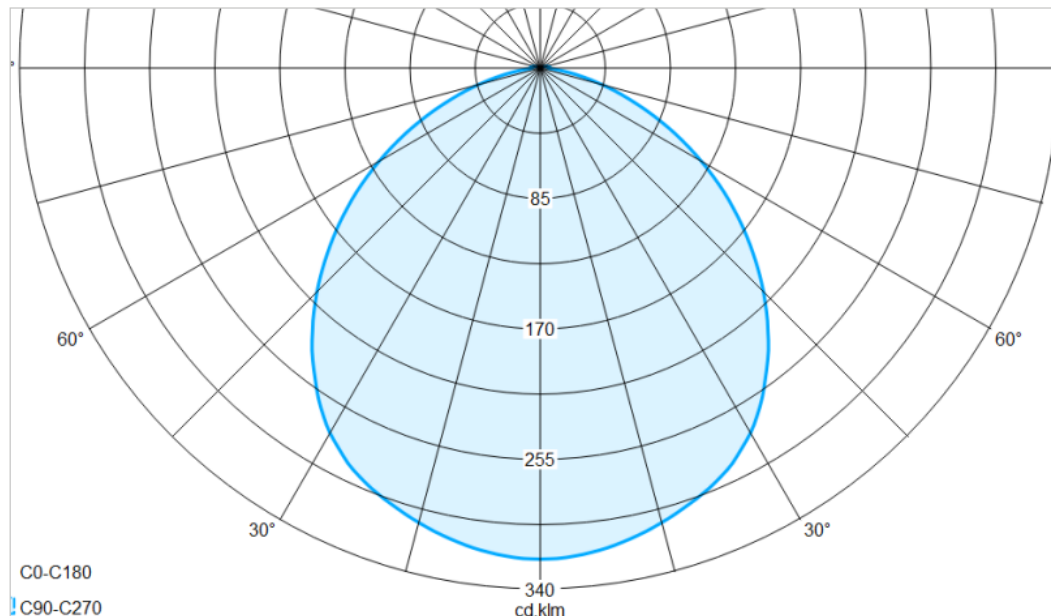
- M120x 1,5 - 6H/6g, prema ISO 965-1, navoj DIN 13 T.24, 9 punih navoja u spoju (9 punih navoja na poklopcu, 11 punih navoja na kućištu
- M20 x 1,5 - 6H/6g, prema ISO 965-1, navoj ISO 965-3, 7 punih navoja
- 3/4" NPT prema ANSI/ASME B1.20.1, 6 punih navoja.

For type with mounting Ex db eb adapter (FLXL ... LED 2, FLXL ... LED 3, FLXL ... LED 4) there are specific conditions of use:

- the user shall provide additional clamping of the cable outside the cable glands because multi-core bushing with connection chamber was tested with lower tensile strength according to A.3.1.1. of standard EN IEC 60079-0,
- the product shall be installed in areas with a lower risk of impact because multi-core bushing with connection chamber was tested with lower impact energy according to EN IEC 60079-0.

Threaded joint:

- M120x 1,5 - 6H/6g, according to ISO 965-1, thread DIN 13 T.24, 9 full threads in joint (9 full threads on the cover, 11 full threads on the case
- M20 x 1,5 - 6H/6g, according to ISO 965-1, thread ISO 965-3, 7 full threads
- 3/4" NPT according to ANSI/ASME B1.20.1, 6 full threads.



5. IZVEDBE

5. TYPES

FLXL...LED -:

Osnovna tipna oznaka / Basic types:

18 - 18 W

36 - 36 W

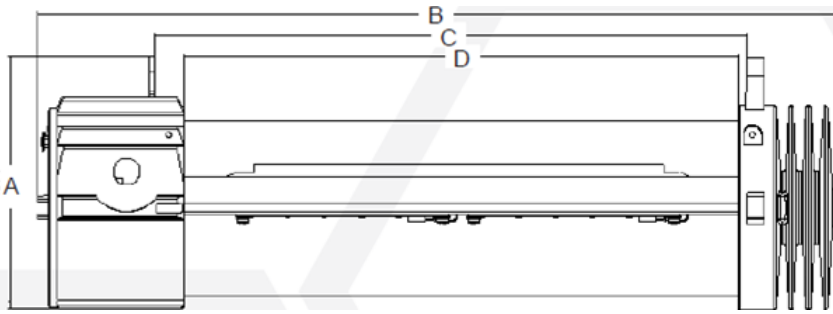
55 - 55 W

Oznaka tipa uvoda / Cable entries:

- **0** - Ex db kablanski uvod 2 x M20, ISO 965-1, ISO 965-3
Ex db cable entry 2 x M20, ISO 965-1, ISO 965-3
- **1** - Ex db kablanski uvod 2 x 3/4"NPT, ANSI/ASME B1.20.1
Ex db cable entry 2 x 3/4"NPT, ANSI/ASME B1.20.1
- **2** - Ex db kablanski uvod 2 x M20, ISO 965-1, ISO 965-3 s jednim ugrađenim Ex db eb adapterom tip ADP 23/1 i jednim Ex db čepom
- Ex db cable entry 2 x M20, ISO 965-1, ISO 965-3 with one installed Ex db eb adapter type ADP 23/1 and one Ex db plug
- **3** - Ex db kablanski uvod 2 x M20, ISO 965-1, ISO 965-3 s jednim ugrađenim Ex db eb adapterom tip ADP 23/1 i jednim ADP 22/1 za DALI priključak
Ex db cable entry 2 x M20, ISO 965-1, ISO 965-3 with one installed Ex db eb adapter type ADP 23/1 and one ADP 22/1 for **DALI** interface
- **4** - Ex db kablanski uvod 2 x M20, ISO 965-1, ISO 965-3 s dva ugrađena Ex db eb adapterom tip ADP 23/1 za prolazno ožičenje
- Ex db cable entry 2 x M20, ISO 965-1, ISO 965-3 with two installed Ex db eb adapter type ADP 23/1 for through-wiring

6. DIMENZIJE

6. DIMENSION



Type	A	B	C	D
FLXL 18	174	362	220	192
FLXL 36		552	408	382
FLXL 55		682	450	512

7. MONTAŽA

7. MOUNTING

Standardna montaža svjetiljke se izvodi ovjesom ili vijčanim učvršćenjem preko ušica s rupom $\varnothing 13$ mm. Uporabom pribora za montažu na zid i strop FLXE 20-170 moguće je direktno učvršćenje svjetiljke za zid ili strop vijčani pribor $\varnothing 8$. Uporabom pribora za montažu na cijev FLXE 20-180 moguće je direktno učvršćenje svjetiljke za stup promjera do 2".

Kod FLXL .. LED 0 i FLXL .. LED 1 Ex db uvodnice i Ex db čepovi nisu sastavni dio isporuke već ih osigurava korisnik. Standardna izvedba svjetiljke pretpostavlja zatvaranje uvida s zaštitnim čepovima.

Kod FLXL .. LED jedan montirani Ex db eb adapter, tip ADP 24/1 i jedan Ex db eb čep su sastavni dio proizvoda.

Kod FLXL .. LED 3 i FLXL .. LED 4 dva montirana Ex db eb adaptera, tip ADP 24/1 su sastavni dio proizvoda.

Ako korisnik zahtjeva prolazno ožičenje, potrebno je koristiti dva Ex db eb adaptera ili dvije Ex db uvodnice.

U slučaju da se koristi jedan Ex db eb adapter, nije moguće prolazno ožičenje niti DALI opcija.

U slučaju prolaznog ožičenja nije moguća DALI opcija i obrnuto. DALI upravljanje na zahtjev.

Nakon svakog otvaranja, navoj svjetiljke treba se odmastiti te ponovno zaštititi s zaštitnom masti.

Standard mounting is performed with suspension or fixing with a screw's through an $\varnothing 13$ mm hole. Using accessories for wall and ceiling mounting FLXE 20-170 can be directly fixed on the wall or ceiling with screw accessories $\varnothing 8$. Using accessories for pipe mounting FLXE 20-180 can be directly fixed on the pole with diameter up to 2".

Ex db glands and plugs are not part of the delivery for the types FLXL .. LED 0 and FLXL .. LED 1 and they must be provided by users. Standard version of the luminaire assumes enclosure of the cable entries with plugs.

Type FLXL .. LED 2 luminaire is equipped with an Ex db eb adapter, type ADP 24/1 and one Ex db eb plug and they are standard part of delivery.

Type FLXL .. LED 3 and FLXL 118 LED 4 luminare are equipped with two Ex db eb adaptera, type ADP 24/1 and they are standard part of delivery.

If the user requests through-wiring, it is necessary to use two Ex db eb adapters or two Ex db glands. In case of usage one Ex db eb adapter, through-wiring and DALI option are not possible.

In the case of true-wiring, the DALI option is not possible and vice versa.

DALI control on request.

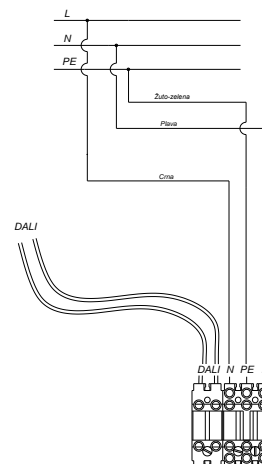
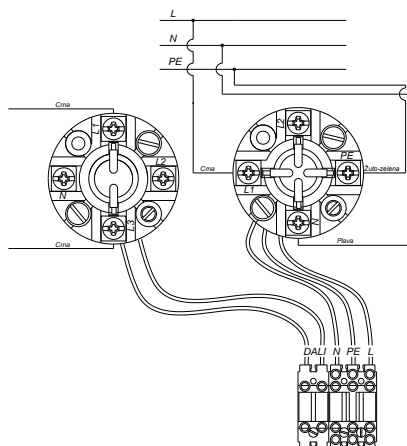
After each opening, the lamp thread should be degreased and protected again with protective grease.







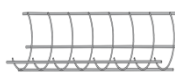

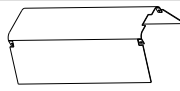



8. INSTALIRANJE I PUŠTANJE U RAD

8. INSTALLING AND PUTTING INTO OPERATION

INDIREKTAN UVOD - Ex db eb adapter
INDIRECT ENTRY - Ex db eb adapter

DIREKTAN UVOD - Ex db uvodnica
DIRECT ENTRY - Ex db cable gland



SKICA SKETCH	OPIS DESCRIPTION	KOD CODE	SKICA SKETCH	OPIS DESCRIPTION	KOD CODE
	Poklopac kućišta kompl. Enclosure cover assembly	FLXE 10-110		Ex db kabelska uvodnica ISO 20 Ex db cable gland ISO 20	FLXE 20-130
	Brtva poklopca Enclosure cover gasket	FLXE 10-120		Ex db kabelska uvodnica 3/4"NPT Ex db cable gland 3/4"NPT	FLXE 20-140
	LED modul kompl. LED module assembly	FLXL 10-130		Ex db čep ISO 20 Ex db plug ISO 20	FLXE 20-150
	Zaštitna rešetka Protective grid	FLXL 20-140		Ex db čep 3/4"NPT Ex db plug 3/4"NPT	FLXE 20-160
	Vanjski reflektor External reflector	FLXL 20-150		Set za montažu na zid i strop Set for wall and ceiling mounting	FLXE 20-170
	Adapter Ex db eb	ADP 10-160		Set za montažu na cijev Set for pipe mounting	FLXE 20-180

10. ODRŽAVANJE, POPRAVAK, OBNAVLANJE I PREGRADNJA

10. INSPECTION, MAINTENANCE, REPAIR AND OVERHAUL

Potrebno je obavljati preglede i održavati sve dijelove uređaja o kojima ovisi protueksplozijska zaštita sukladno normi EN 60079-17, općim i posebnim uputama proizvođača i Pravilnicima korisnika, a naročito:

- da su kućišta, zaštitno staklo i brtve bez puknuća i oštećenja,
- da su brtve poklopca bez puknuća i oštećenja te da je poklopac zategnut nazivnim momentom i blokiran od odvrtanja pomoću blokadnog vijka,
- da su uvodnica, čep, adapter, stezaljke, te zaštitna rešetka pritegnuti nazivnim momentom.

Popravlak, obnavljanje ili pregradnju kućišta obavlja proizvođač ili od proizvođača ovlaštena pravna osoba, originalnim dijelovima prema proizvodnoj dokumentaciji, a sve sukladno normi EN 60079-19.

Ukoliko popravak i/ili obnavljanje i/ili pregradnju vrši treća osoba, prestaje svaka odgovornost proizvođača za proizvod, a EU Izjava o sukladnosti proizvođača postaje nevažeća.

Inspections are carried out in accordance with IEC 60079-17, general and special conditions of manufacturer and users Regulations and includes supervision of parts on which the explosion protection depends, especially:

- that the enclosure, protective glass and gasket are without rupture and damage,
- that the cover gaskets are without rupture and damage and that the cover is tightened with a nominal torque and blocked from unscrewing with a blocking screw,
- that the cable gland, plug, adapter, connecting terminals, screws of protective grid are tightened with nominal torque.

All the repairs must be performed by the manufacturer or the manufacturer's authorized personal using the original parts according to the product documentation, all in accordance with EN 60079-19.

If repair or any other procedure are performed on the product by unauthorized person, all manufacturer responsibility for the product and the warranty and the manufacturer's EU Declaration of conformity becomes invalid.

11. ODGOVORNOSTI I OVLAŠTENJA

11. RESPONSIBILITY AND AUTHORIZATION

Ova Uputa predstavlja najvažniju informaciju o proizvodu. Nadopunjuju ju odgovarajući nacionalni zakoni i propisi. Proizvodnja, uporaba, certifikacija i nadzor određene su na nacionalnoj razini:

- Pravilnikom o opremi i zaštitnim sustavima namijenjenim za uporabu u prostorima ugroženim eksplozivnom atmosferom (NN br. 33/16, odnosno EU Direktiva ATEX 2014/34/EU) i
- Pravilnikom o najmanjim zahtjevima sigurnosti i zaštite zdravlja radnika te tehničkom nadgledanju postrojenja, opreme, instalacija i uređaja u prostorima ugroženim

This Manual represents the most relevant information about the product. Adequate national laws and regulations supplement it. Production, usage, certification and supervision are determined at the national level with:

- Regulations of Equipment and protective systems intended for use in potentially explosive atmospheres (EU Directive ATEX 2014/34/EU) and
- Regulations of minimum requirements for safety and health protection of workers and technical inspection of facilities, equipment, installations and devices in potentially explosive atmospheres EU Directive 1999/92/EC (ATEX 137).

eksplozivnom atmosferom (NN br. 39/06, 106/07.), odnosno EU Direktiva 1999/92/EC (ATEX 137).

Odgovorna osoba dužna je osigurati njihovo provođenje u pogonu.

The responsible person shall ensure their implementation at the facility.

12. SKLADIŠTENJE I TRANSPORT

Transport i skladištenje svjetiljke treba vršiti samo u uvjetima kako je rečeno u ovoj uputi u originalnoj ambalaži, na način istaknut na kartonskoj kutiji.

12. STORAGE AND TRANSPORT

Transport and storage are only allowed in the original packaging, as indicated on the cardboard box.

13. JAMSTVO PROIZVOĐAČA

Proizvođač daje jamstvo na svjetiljku u trajanju od pet godine od trenutka preuzimanja proizvoda prema odredbama Zakona o obveznim odnosima. Ova izjava ima snagu Jamstvenog lista.

13. MANUFACTURER'S WARRANTY

The manufacturer provides a warranty on the light fitting for a period of five years starting from the moment of taking over the product under the provisions of this user manual and the law on obligations. This statement has the force of Warranty sheet.

14. OZNAČAVANJE

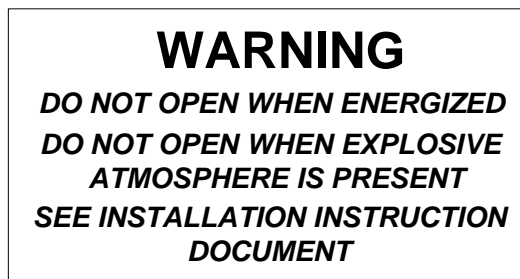
Protueksplozijski zaštićena LED sigurnosna svjetiljka, tip FLXL .. LED-. označena je s:

- pločicom upozorenja na poklopcu svjetiljke:

14. MARKING

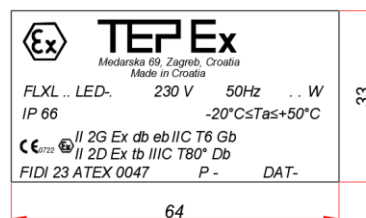
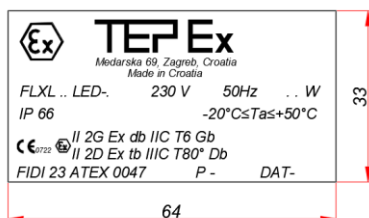
Explosion protected fluorescent light fitting, type FLXL .. LED-. is labeled with:

- a warning labels with technical data on the enclosure:



- natpisnom pločicom s tehničkim podacima na poklopcu kućišta:

- a label with technical data on the housing enclosure:



- natpisnom naljepnicom s tehničkim podacima unutar kućišta:

- a label with technical data inside the enclosure:

