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EU – TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU.

[3] EU-Type Examination Certificate Number: **FIDI 23 ATEX 0004**

Issue: **1**

[4] Product: **Reflector**

Type: **RLF 320 LED - . / .**

[5] Manufacturer: **TEPEX Ltd.**

[6] Address: **Medarska 69, 10090 Zagreb, Croatia**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

[8] FIDITAS Ltd., Notified Body number 2829 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in confidential Report No: **FIDI 23 CR 049**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-1:2014

EN 60079-7:2015+A1:2018

EN 60079-31:2014

except in respect of those requirements listed at item 18 of the Schedule.

[10] If the sign 'X' is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

[11] This EU-Type Examination Certificate relates only to the design, examination and test of the specified product in accordance with Annex III. Further requirements of the Directive apply to the manufacturing process and supply of this products. These are not covered by this certificate.

[12] The marking of the product shall include the following:



II 2G Ex db eb IIC T4 Gb

II 2D Ex tb IIIC T100°C Db

Our ref.: 22.CRT.163

Date: 27.03.2023



FIDITAS Ltd.
Certification department

Approved:

Marino Kelava, M.E.Eng.

[13]

SCHEDULE

 [14] **EU - TYPE EXAMINATION CERTIFICATE No.:** **FIDI 23 ATEX 0004**

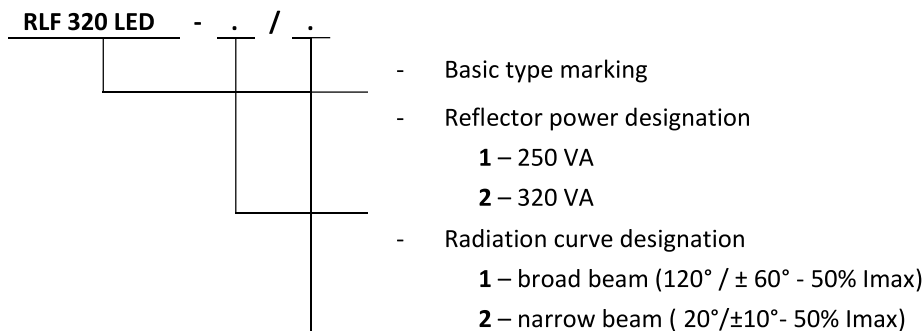
 [15] **Description of product**

The reflector consists of an 'eb/tb' aluminum enclosure with built-in 'db/eb' LED modules, type LEDEX 04, manufacturer TEPEX Ltd. (II 2G Ex db IIC Gb; FIDI 23 ATEX 0002U), 'db/tb' driver enclosure with built-in LED driver and 'eb/tb' terminal compartment, type PLFS N LED, manufacturer TEPEX Ltd., with built-in 'eb' terminal blocks Type CMC 1-2, manufacturer Connectwell Industries Pvt. (II 2G Ex eb IIC Gb; CSANe 21ATEX3017U).

The driver enclosure is connected to the reflector enclosure with 'db' bushings, type RSM 21, manufacturer TEPEX Ltd. The enclosure of the reflector is connected to the terminal compartment with an 'eb' conductor sleeve M20. The sealing of the bushings is ensured by the use of silicone gaskets at the point of connection.

Installation of reflectors is allowed only in working positions 0° to +135°.

Certified cable glands in the type of protection 'eb/tb', degree of mechanical protection IP66, are used for cable entry.

Type marking:

Rated data:

Rated voltage Un:	220 - 240 V, 50/60 Hz
Rated power:	RLF 320 LED-1/. - Pin = 250 VA RLF 320 LED-2/. - Pin = 320 VA
Ambient temperature:	-40 to +40°C for P _{max} = 320 VA -40 to +50°C for P _{max} = 250 VA
Mechanical protection:	IP 66
Working position:	from 0° (horizontal) to +135°

Warning markings

“WARNING! DO NOT OPEN WHILE ENERGIZED”

„WARNING! SEE INSTALATION INSTRUCTION DOCUMENT”



[16] Confidential Report No. FIDI 23 CR 049

[16.1] Routine testing

The manufacturer shall carry out a dielectric strength test of the reflector in accordance with clause 7.1 of EN IEC 60079-7.

The routine test of the driver enclosure is not required because four times the reference pressure is applied during the type overpressure testing.

[17] Specific Conditions of Use

None

[18] Essential Health and Safety Requirements

Covered by the conformity with harmonized standards listed under item 9.

[19] Drawings and Documents

Title:	Drawing No.:	Rev. level:	Date:
Technical description of reflector RLF 320 LED	/	/	27.03.2023
Instruction for use	TEPEX.RS.122	1	27.03.2023
Certification drawings:	T17.06.00.00-1,	/	27.03.2023
	T17.06.00.00-2	/	27.03.2023
	T17.06.00.00-3	/	27.03.2023
Description of certification drawings	T17.06.00.00-1,2,3	/	27.03.2023

