



[1] **TYPE EXAMINATION CERTIFICATE - Translation**

[2] Equipment
of equipment-groups I and II, equipment-categories M2 and 2 plus 3

[3] Type examination certificate number **IBExU17ATEXB004** | Issue 0

[4] Product: **LED Luminaire**
Type: TX61

[5] Manufacturer: Glamox Production GmbH & Co. KG

[6] Address: Glasower Weg 5
17166 Teterow
GERMANY

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

[8] IBExU Institut für Sicherheitstechnik GmbH 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 to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in the confidential test report IB- IB-16-3-195.

[9] Compliance with the essential health and safety requirements has been assured by compliance with: EN 60079-0:2012+A11:2013, EN 60079-15:2010 and 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 the specific conditions of use specified in the schedule to this certificate.

[11] This type examination certificate relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured or supplied.

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

II 3G Ex nA IIC T4 Gc

II 3D Ex tc IIIC T90 °C Gc

-25 °C ≤ T_a ≤ +50 °C

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg, GERMANY

Tel: + 49 (0) 37 31 / 38 05 0
Fax: + 49 (0) 37 31 / 38 05 10

By order

Dipl.-Ing. [FH] Henker

IBExU
Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg/Sachsen
Telefon (03731) 3805-0
Telefax (03731) 38 05 10

- Stamp -

Certificates without signature and stamp are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

Freiberg, 2017-08-29

[13] Schedule**[14] Certificate number IBExU17ATEXB004 | Issue 0****[15] Description of product**

The LED luminaire TX61 serves for illumination of technical areas. It is suitable for the use in zone 2 and 22. The luminaire consists of a aluminium profile, the termination compartments and the light transmitting covers, made of polycarbonate. Two or four LED modules serve as light source, depending on the type. These modules are supplied by a separately assessed driver. Optionally the luminaire can be also provided as an emergency operating luminaire with a separately certified battery pack (NiCd).

Technical data:

- Ambient temperature range: -25 °C up to +50 °C
- Rated voltage: 220...240 V AC (50...60 Hz)
- Nominal current: 100 mA...550 mA, depending on type
- Nominal power: 22...55 W, depending on type
- Through wiring: maximum. 16 A
- Battery: 7.2 V, NiCd

[16] Test report

The test results are recorded in the confidential test report IB-16-3-195 of 2017-08-29.

The test documents are part of the test report and they are listed there.

Summary of the test results

The LED luminaire type TX61 fulfils the requirements of explosion protection for Equipment Group II, Category 3G in type of protection "nA", non-sparking and in Category 3D, protection by enclosure "t".

Safety Instructions

- Due to danger of electrostatic discharge, the luminaire has to be installed in areas without intensive electrostatic charging processes. Cleaning is permitted only with a damp cloth.
- The special conditions for safe use of the assembled components have to be observed.
- Operation is only permitted with the batteries specified by the manufacturer.

[17] Specific conditions of use

None

[18] Essential health and safety requirements

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item [9], the following are considered relevant to this product, and conformity is demonstrated in the test report:

None

[19] Drawings and Documents

The documents are listed in the test report.

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg, GERMANY

By order



Dipl.-Ing. [FH] Henker

Freiberg, 2017-08-29

IBExU Institut für Sicherheitstechnik GmbH, Fuchsmühlenweg 7, D-09599 Freiberg

GLAMOX Marine and Offshore GmbH
Linzer Straße 9a
28359 Bremen
GERMANY

EINGEGANGEN
25. Mai 2021

Brand- und Explosionsschutz Störfallvorsorge

Fuchsmühlenweg 7, 09599 Freiberg
Deutschland
Telefon: +49 (0) 3731 3805-63
Telefax: +49 (0) 3731 380510
Internet: <http://www.ibexu.de>
E-Mail: post@ibexu.de

Freiberg, 17.05.2021
ms/el 3234/21



Unbedenklichkeitserklärung zur Baumusterprüfbescheinigung IBExU17ATEXB004 *Confirmation of Non-Objection for the Type Examination Certificate IBExU17ATEXB004*

- Ihre Bestellung mit E-Mail vom / your order with e-mail dated 15.12.2020
- Unsere Bearbeitungs-Nummer / our handling no.: IB-20-3-0190/4
(Bitte bei Schriftwechsel immer mit angeben / in case of correspondence, please specify this number)

Wir bestätigen, dass sich der Herstellername sowie die Adresse des Herstellers geändert haben. Auf der eingereichten Zeichnung des Typenschildes sowie in der Betriebsanleitung sind die neuen Angaben aufgeführt.

Auflistung der geänderten Unterlagen: / list of changed documents:

Technische Unterlagen / Technical Documents			
Bezeichnung / Title:	Zeichnungsnr.: / Drawing No.:	Rev. Level:	Datum / Date:
Operating instructions "Explosion-proof LED luminary TX61"	9420118303	05	2021-01-19
Zeichnung "Typenschild TX61"	7175163701	8	2021-02-24

Alle technischen Parameter bleiben unverändert.

We confirm, that the name and the address of manufacturer has been changed. The submitted drawing of the type plate as well as the operating instructions show the new details.

All technical parameters remain unchanged.

Eine neue Ausgabe zur Baumusterprüfbescheinigung IBExU17ATEXB004 ist nicht notwendig. Dieses Schreiben ist den Prüfunterlagen zur Baumusterprüfbescheinigung beizufügen.

A new issue to the Type Examination Certificate IBExU17ATEXB004 is not necessary. This letter has to be added to the test documents of the Type Examination Certificate.

IBExU
Institut für Sicherheitstechnik GmbH

Im Auftrag / By order



(Dipl.-Ing. Schwenke)
Bearbeiter/ Editor

Bestätigt / confirmed:
Zertifizierungsstelle Explosionsschutz
Authorised for certifications -Explosion protection-

Im Auftrag / By order



(Dipl.-Ing. [FH] Henker)