TÜVNORD

(1) # Statement of Conformity

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**

(3) **Statement of Conformity Number:** **TÜV CY 25 ATEX 0207244 X**

(4) for the equipment: LED luminaires
Type: XETARO * ****_*** *** ** ***

(5) of the manufacturer: Thorn Lighting Limited

(6) Address: Durhamgate Spennymoor
DL 16 6HL County Durham UK

Order number: 0207244

Date of issue: 2025-02-17

(7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this statement of conformity and the documents therein referred to.

(8) TÜV CYPRUS Ltd certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in the confidential report No. 25 0207244.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
**EN IEC 60079-0:2018** **EN 60079-31:2014**
The following were used for reference:
**EN IEC 60079-15:2019**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This statement of conformity relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment or protective system must include the following:

**II 3G Ex nR IIC T6 Gc**
**II 3D Ex tc IIIC T70°C Dc**

TÜV CYPRUS Ltd (TUV NORD Group),

The Head of competent body,
D. Demosthenous

notified body
TÜV CYPRUS
TÜV NORD GROUP
2261

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(13) **S C H E D U L E**

(14) **Statement of Conformity No. TÜV CY 25 ATEX 0207244 X**

(15) Description of equipment

The LED lighting apparatus XETARO series are composed by several enclosure sizes made by polycarbonate with high mechanical resistance, containing LEDs lighting sources, accessories and feeding apparatus suitable for normal and/or emergency light function.
Permissible range of ambient temperature:

- with emergency back-up source: 0°C to +40°C or 0°C to +45°C or 0°C to +50°C
- without emergency back-up source: -25°C to +45°C or -25°C to +50°C or -25°C to +55°C or -25°C to +60°C. (See tables below).

The degree of enclosure protection according to EN 60529 is IP66.

Type code and technical data

**XETARO** * ****-*** *** ** ***

* = Dimension "S; M; L" - 2,4 or 5 feet (ft)

**** = Lumen output from 1600 to 20000 lm

*** = CRI and CCT Distribution - 830, 840, 850 and 865

*** = Electrical control
"HFI" = version with digital dimmable driver DALI
or
"HF " = light fitting without digital dimmable driver DALI

** = "TW3" = light fitting with 1-phase 3 core through-wiring
or
"TW5" = light fitting with 3-phase 5 core through-wiring

*** = "E1" = Self-maintained emergency unit (1h), self testing
or
"E3" = Self-maintained emergency unit (3h), self testing

The following variants are covered by this certificate:

| Type of the luminaire without emergency back-up source | | | | | |
|---|---|---|---|---|---|
| **Type** | **Ambient temperature** | | **Supply Voltage and Frequency** | | **System input** |
| XETARO M 4400-840 MB HF | → | -25°C ≤Ta≤ +55°C | → | 220-240V 50/60Hz | 31W |
| XETARO L 5500-840 MB HF | → | -25°C ≤Ta≤ +55°C | → | | 38W |
| XETARO M 6600-840 MB HF | → | -25°C ≤Ta≤ +60°C | → | | 43W |
| XETARO L 8100-840 MB HF | → | -25°C ≤Ta≤ +60°C | → | | 54W |
| XETARO L 11000-840 MB HF | → | -25°C ≤Ta≤ +55°C | → | | 71W |
| XETARO M 4400-840 MB HFI | → | -25°C ≤Ta≤ +45°C | → | | 31W |
| XETARO L 5500-840 MB HFI | → | -25°C ≤Ta≤ +45°C | → | | 38W |
| XETARO M 6600-840 MB HFI | → | -25°C ≤Ta≤ +50°C | → | | 43W |
| XETARO L 8100-840 MB HFI | → | -25°C ≤Ta≤ +50°C | → | | 54W |
| XETARO L 11000-840 MB HFI | → | -25°C ≤Ta≤ +45°C | → | | 71W |

| Type of the luminaire with emergency back-up source | | | | | |
|---|---|---|---|---|---|
| **Type** | **Ambient temperature** | | **Supply Voltage and Frequency** | | **System input** |
| XETARO M 4400-840 MB HF E3 | → | 0°C ≤Ta≤ +50°C | → | 220-240V 50/60Hz | 31W |
| XETARO L 5500-840 MB HF E3 | → | 0°C ≤Ta≤ +50°C | → | | 38W |
| XETARO M 6600-840 MB HF E3 | → | 0°C ≤Ta≤ +45°C | → | | 43W |
| XETARO L 8100-840 MB HF E3 | → | 0°C ≤Ta≤ +45°C | → | | 54W |
| XETARO L 11000-840 MB HF E3 | → | 0°C ≤Ta≤ +40°C | → | | 71W |
| XETARO M 4400-840 MB HFI E3 | → | 0°C ≤Ta≤ +45°C | → | | 31W |
| XETARO L 5500-840 MB HFI E3 | → | 0°C ≤Ta≤ +45°C | → | | 38W |
| XETARO M 6600-840 MB HFI E3 | → | 0°C ≤Ta≤ +45°C | → | | 43W |
| XETARO L 8100-840 MB HFI E3 | → | 0°C ≤Ta≤ +45°C | → | | 54W |
| XETARO L 11000-840 MB HFI E3 | → | 0°C ≤Ta≤ +40°C | → | | 71W |

| Dimension of luminaire | | | |
|---|---|---|---|
| **Type** | **Length [mm]** | **Height [mm]** | **Width [mm]** |
| XETARO M 4400-840 MB HF | 1272 | 111 | 145 |
| XETARO L 5500-840 MB HF | 1572 | 111 | 145 |
| XETARO M 6600-840 MB HF | 1272 | 111 | 145 |
| XETARO L 8100-840 MB HF | 1572 | 111 | 145 |
| XETARO L 11000-840 MB HF | 1572 | 111 | 145 |
| XETARO M 4400-840 MB HFI | 1272 | 111 | 145 |
| XETARO L 5500-840 MB HFI | 1572 | 111 | 145 |
| XETARO M 6600-840 MB HFI | 1272 | 111 | 145 |
| XETARO L 8100-840 MB HFI | 1572 | 111 | 145 |
| XETARO L 11000-840 MB HFI | 1572 | 111 | 145 |
| | | | |
| XETARO M 4400-840 MB HF E3 | 1272 | 111 | 145 |
| XETARO L 5500-840 MB HF E3 | 1572 | 111 | 145 |
| XETARO M 6600-840 MB HF E3 | 1272 | 111 | 145 |
| XETARO L 8100-840 MB HF E3 | 1572 | 111 | 145 |
| XETARO L 11000-840 MB HF E3 | 1572 | 111 | 145 |
| XETARO M 4400-840 MB HFI E3 | 1272 | 111 | 145 |
| XETARO L 5500-840 MB HFI E3 | 1572 | 111 | 145 |
| XETARO M 6600-840 MB HFI E3 | 1272 | 111 | 145 |
| XETARO L 8100-840 MB HFI E3 | 1572 | 111 | 145 |
| XETARO L 11000-840 MB HFI E3 | 1572 | 111 | 145 |

Warnings

- DO NOT OPEN WHEN ENERGIZED
- POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS

(16) Test documents are listed in the test report No. 25 0207244.

(17) Special conditions for safe use

- The specific conditions mentioned in the certificates of separately certified components have to be fulfilled.
- The luminaire must not be opened if the terminal block is voltage-carrying. Change the diffuser if it is cracked.
- LED components contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person and only with original spare parts.
- If the gasket is damaged it is necessary to replace it.
- Replacement of parts affecting explosion protection is prohibited.
- The opening in the unused cable gland must be sealed with an ATEX plug.
- Potential electrostatic charging hazard. In potentially explosive environments, the luminaire may only be cleaned with a damp cloth and the person carrying out the cleaning must be earthed.

- Disconnecting and replacing of the battery in the luminaire is only possible out of the environment with explosion hazard.
- The recommended fuse rating for continuously wired luminaires is type B; 10 A or 16 A.
- The luminaire XETARO is approved for single and triple phase continuous wiring. Maximum allowed number of luminaires connected on one phase is listed in the table below.

| Luminaire type | Automatic cut-out 10A | Automatic cut-out 16A |
|---|---|---|
| S | 18 | 30 |
| M | 18 | 30 |
| L | 18 | 30 |

(18) Essential Health and Safety Requirements
This statement of conformity covers only the Essential Health and Safety Requirements related to the Directive 2014/34/EU.