



Certificate of Type Approval

The product detailed below has been found by a member of the Lloyd's Register group to comply with the Specified Standard (s) referenced below.

Manufacturer	Ertecna, Lda.
Address	EN 109 Araújos Brenha, 3080-436 Figueira da Foz, Portugal
Type	Photoluminescent Material
Description	Photoluminescent Materials for Industrial and Commercial Applications for Safety Signs, Escape Route Illumination Systems
Trade Name	Everlux 170 - Sinalização de segurança fotoluminescente
Specified Standard	Fire Retardance: IEC 60092-101:2018(Clause 4.7) Fire Retardance: IEC 60695-11-5:2016 (Clause 11.b) Fire Retardance: NBR 16820:2020 (Clause 7.1) Luminance Test: DIN 67510-1:2020 Luminance Test: ISO 16069:2017 (Annexe A) Luminance Performance: NBR 16820:2020 (Clause 7.5) Luminance Performance: ISO 17398:2004 (Clause 5.5) Luminance Performance: ISO 16069:2017 (Clause 7.2.1)

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lijo Thomas

Fire & Safety - Senior Surveyor to Lloyd's Register EMEA
A member of the Lloyd's Register group

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Certificate No: LR2500728SS
Issue Date: 18/03/2025
Expiry Date: 17/03/2030
Reference: UKITSO/LSA/TA/LT/ TSO/24-020210/PRJ111004645.7

DESIGN APPRAISAL DOCUMENT

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2500728SS

The undernoted documents have been appraised for compliance with the relevant requirements of the specified standards, and this Design Appraisal Document forms part of the Certificate.

This Design Appraisal Document forms part of the Certificate.

This is renewal of certificate No: LR2002407SS-03

EXAMINED DOCUMENTS

Technical Characteristics, Everlux 170, Revision 1 19-08-24

TEST REPORTS

Determination of colour of phosphorescent material according to ISO 3864-4:2011, dated 13 Feb 2020

Determination of luminance and period of light decay according to DIN 67510-1:2020, UNE 23035-1:2003, NT11, NT22 RT-SCIE (ANEPC), ISO 17398:2004 (clause 7.11), ISO 16069:2017 (Annex A), NP 4386:2014, NS 3926-2:2017 (clause 4.5) and ABNT NBR 16820:2020(7.5.1.1).
Test Report: No. ULLOY006, dated 8th January 2025

Fire retardant test according to Standard IEC 60092-101:2018 (Needle-Flame Tests according to IEC 60695-11-5), Test report No: LFF.2025.002, dated 03/01/2025

Determination of horizontal burning rate according to ISO 3795:1989, Test report No: LFF.2025.005, dated 13/01/2025

CONDITIONS OF CERTIFICATION

	After 10 minutes	After 60 minutes
Measured luminance, mcd/m ²	202	26
Minimum required time decay to reach 0.3 mcd/m ² for basic signage	1800 minutes	
Measured time decay to reach 0.3 mcd/m ²	3169 minutes	

1. Chromaticity area(colour)- K- Yellow Green.
2. This certificate only covers the photo-luminescent and flame retardance characteristics of the signage material.
3. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to applications to which the amended standards apply.
4. Production items are to be manufactured in accordance with a quality control system and records maintained.
5. Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to Lloyd's Register prior to the change taking place. This Certificate will require to be updated for Approval to be maintained.

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PLACE OF PRODUCTION

Ertecna, Lda.
EN 109 Araújos Brenha
3080-436 Figueira da Foz
Portugal

Lijo Thomas
Senior Specialist
Fire & Safety, Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore
Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured other wise than in strict conformity with the said prototype(s)

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