



## 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.

<b>Manufacturer</b>	<b>Ertecna, Lda.</b>
<b>Address</b>	EN 109 Araújos Brenha, 3080-436 Figueira da Foz, Portugal
<b>Type</b>	Photoluminescent Material
<b>Description</b>	Photoluminescent Materials for Industrial and Commercial Applications for Safety Signs, Escape Route Illumination Systems
<b>Trade Name</b>	"Everlux 140" - "Sinalização de segurança fotoluminescente"
<b>Specified Standard</b>	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.

**Lijo Thomas**

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



**DESIGN APPRAISAL DOCUMENT**

**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2500787SS**

The undernoted documents have been appraised for compliance with the relevant requirements of the specified standards.

This Design Appraisal Document forms part of the Certificate.

This is renewal of certificate No: LR2002356SS-02

**MINED DOCUMENTS**

Technical Characteristics, Sinalux 140/ Everlux 140, Rev 1 , dated 19-08-24

**TEST REPORTS**

Determination of colour of phosphorescent material according to ISO 3864-4:2011(Annexe B), test report dated 13th February 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. ULLOY005, dated 8<sup>th</sup> January 2025.

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

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.

**CONDITIONS OF CERTIFICATION**

	<b>After 10 minutes</b>	<b>After 60 minutes</b>
Minimum required luminance, mcd/m <sup>2</sup>	140	20
Measured luminance, mcd/m <sup>2</sup>	190	25

  

Minimum required time decay to reach 0.3 mcd/m <sup>2</sup>	1800 minutes
Measured time decay to reach 0.3 mcd/m <sup>2</sup>	3159 minutes

1. Chromaticity area(colour)- K- Yellow Green.
2. This certificate only covers the photoluminescent 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.

**PLACE OF PRODUCTION**

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Certificate No: LR250078/S  
Issue Date: 16/03/2025  
Expiry Date: 15/03/2030  
Reference: UKITSO/LSA/TA/LT/ TSO/24-020210/PRJ1100164517

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**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2500787SS**

Ertecna, Lda.  
EN 109 Araújo 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 otherwise than in strict conformity with the said prototype(s)*

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