

Certificate of Type Approval

This is to certify that

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, Araujos- Brenha, 3080-436 Figueira da Foz, Portugal
Type	Photoluminescent Materials
Description	Marine, offshore, industrial and commercial applications for safety signs, escape route illumination systems and tunnels, Types: "Sinalux - LLL / Everlux - LLL"
Trade Name	Sinalux - LLL / Everlux - LLL
Specified Standard	Fire Retardance: IEC 60092-101:2018 (Clause 4.7) Fire Retardance: NBR 13434-3: 2018 (Clause 4.1) Luminance Performance: ISO 16069:2017 (Clause 7.2.1& 7.2.2) Luminance Performance : ISO 1570:2010 Luminance Performance: DIN 67510-4:2008 Luminance Performance: UNE 23035-1:2003 Luminance Performance: NBR 13434-3:2018 (Clause 4.5) Luminance Performance: NS 3926-1:2017 (Clause7) Luminance Performance: NP ISO 16069:2012 Luminance Performance: NS 3926-2:2017 (Clause 4.10) Luminance Test: DIN 67510-1:2009 Luminance Test: ISO 16069:2017 (Annexe B) Luminance Test: UNE 23035-1:2003 Luminance Test: NS 3926-2:2017 (Clause 4)

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.

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 of any modification or changes to the equipment in order to obtain a valid certificate.



Lijo Thomas

Senior Surveyor to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, UK

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.