



Lloyd's  
Register

## CERTIFICATE OF FIRE APPROVAL

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

**Manufacturer** Hubbell Electrical Ltd (Chalmit & Victor Lighting)

**Address** 388 Hillington Road  
Glasgow  
Scotland, G52 4BL  
United Kingdom (UK)

**Type** B-15 CEILING FIXTURE

**Description** Fire Resisting Ceiling Fixture - Type: "CURIE ELITE" Luminaire

**Specified Standard** IMO Res. MSC.61 (67) - (FTP Code) Annex 1 Part 3  
IMO MSC/Circ.1120  
IMO Res. MSC.307(88) - (2010 FTP Code) Section 8

**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.**

Date of issue 14 July 2014

Expiry date 13 July 2019

Certificate No. SAS F140239

Signed

Sheet No 1 of 2

Name

M. Farrier

Surveyor to Lloyd's Register EMEA  
A Member of the Lloyd's Register Group

**Note:**

**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.**

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 the '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.



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## DESIGN APPRAISAL DOCUMENT

Date 14 July 2014	Quote this reference on all future communications MTES/TA/SFS/JE/MF/WP18069302
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### ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F140239

This Design Appraisal Document forms part of the Certificate.

#### APPROVAL DOCUMENTATION

DIFT, Danish Institute of Fire and Security Technology, Jernholmen 12, DK-2650 Hvidovre, Denmark, Test Report File No. PG11360/Serial No. 9713 dated 23<sup>rd</sup> August 2004 and Test Report File No. PG11371/Serial No. 9721 dated 2<sup>nd</sup> September 2004.

#### CONDITIONS OF CERTIFICATION

1. When fitted in an approved B-15 Ceiling ('Danacoustic DMC Marine Tile 630 Ceiling' or equivalent).
2. Luminaire housing consisting of: 1mm thick sheet steel housing (dimensions 677mm x 593mm x 164mm) suspended from four M6 steel hangers. Luminaire housing covered by an insulation box fabricated from (30mm thick, density 165kg/m<sup>3</sup>) 'Rockwool Conlit 150' insulation.
3. Maximum ceiling opening size: 573mm x 573mm.
4. Composition, application and installation of sub components, including insulation, adhesives, seals and any fire retardants, to be maintained in production and use in accordance with originally tested composition formula and method of application and installation, and manufacturer's instructions.
5. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.

#### PLACE OF PRODUCTION

Hubbell Electrical Ltd (Chalmit & Victor Lighting)  
388 Hillington Road,  
Glasgow G52 4BL  
United Kingdom (UK)



Martin Farrier  
Lead Specialist  
Statutory Fire & Safety  
Marine Technology and Engineering Services  
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).*