Certificate No: LR2006779SF
Issue Date: 14 July 2019
Expiry Date: 13 July 2024

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 Ltd. (Chalmit)**
Address	388 Hillington Road, Glasgow, Scotland, G52 4BL, United Kingdom (UK)
Type	B-15 Ceiling Fixture
Description	B-15 Ceiling Lighting Fixture - Type: “Chalmit Acclaim” Luminaire
Trade Name	“Chalmit Acclaim” 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

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 Design Appraisal Document and its supplementary Type Approval Terms and Conditions form 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.

Keith Taylor

Keith Taylor

Team Lead Fire & Safety to Lloyd's Register EMEA
A member of the Lloyd's Register group

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

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2006779SF

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

This Certificate is a replacement of previous Lloyd's Register EMEA Certificate of Fire Approval No: SAS F140221.

APPROVAL DOCUMENTATION

1. British Research Establishment (BRE), Garston, WD25 9XX, United Kingdom (UK); Fire test Report No. 239878, dated 03 January 2008.

CONDITIONS OF CERTIFICATION

1. When used in conjunction with approved B-15 ceiling panel system type 'Danacoustic Marine Ceiling M300'. This Type Approval Certificate is restricted to the fire tested lighting fixtures type(s) outlined in item 2 below in the fire tested ceiling type: 'Danacoustic Marine Ceiling M300' only. The use of light fixtures in ceilings other than the fire tested model(s) described above is outside the scope of this Certificate and must be separately approved at the design stage by the Project Plan Approval authority on a case-by-case basis. Any such alternative ceilings must be equivalent to the fire tested ceiling at least in fire performance, constructional details, joint arrangements and support arrangements, this being verified at the Plan Approval stage. The lighting fixture may also be used in a B-0 ceiling panel system, however the dimensions, sizes and insulation requirements should be as per this Certificate
2. Lighting fixture consists of the following type, associated maximum allowable sizes, and insulation arrangements:

Type	Steel Housing Thickness	Maximum Steel Housing Size	Maximum Clear Opening Size	Steel Housing Mounting	Insulation Arrangements
"Chalmit Acclaim" Luminaire	1.2mm	750mm length x 275mm breadth x 162mm deep	800mm x 300mm	Suspended from steel 'U' channel supports and hangers	Steel housing insulated with 50mm thick (140kg/m³ density) Rockwool insulation

3. Composition, application and installation of sub components, including 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
4. 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
5. The Certificate holder is solely responsible for the products supplied under this Certificate and to ensure that their products, whether manufactured by themselves or their licensee manufacturers, if agreed by Lloyd's Register, are fully compliant with the relevant statutory regulations and Lloyd's Register Class Rules as applicable and designed, manufactured and installed to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties

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PLACE OF PRODUCTION

Hubbell Electrical Ltd.
388 Hillington Road
Glasgow
G52 4BL
United Kingdom (UK)

Keith Taylor
Team Lead, Fire & Safety
Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore
Lloyd's Register

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).