

Certificate No:

**MED-B-9074**

Item No:

**A.1/3.40**

Job Id:

**344.1-004379-1**

## EC TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2012/32/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL under the authority of the Government of the Kingdom of Norway.

### This is to certify:

**That the Low-Location Lighting Systems**

with type designation(s)

**INFRAGLOW 250, 500 and 800**

Issued to

**INFRATEK**

**Oslo, Norway**

is found to comply with the requirements in the following Regulations/Standards:

**Annex A.1, item No. A.1/3.40 and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation II-2/13 and FSS Code 11**

Further details of the equipment and conditions for certification are given overleaf.

**Høvik, 2014-10-23**  
for **DNV GL**

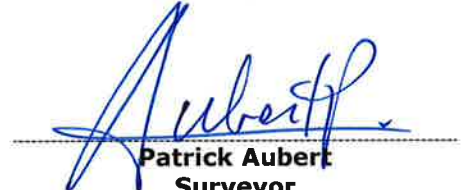


This Certificate is valid until  
**2014-09-28**

  
Marianne Strand Valderhaug  
Head of Department

Notified Body No.: **0575**

DNV GL local office:  
**Oslo Maritime and CAP**

  
Patrick Aubert  
Surveyor



The Certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this Certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended. The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.

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### Product description

"INFRAGLOW 250, 500 and 800"

Photoluminescent 0.3 – 0.7 mm aluminium plate with one face silkscreen printed with 0.7 - 1.2 mm photoluminescent coating.

### Application/Limitation

Approved for use as low-location lighting system, escape route signs and fire equipment location marking.

The product satisfies the requirement for low flame spread surface material, not generating excessive quantities of smoke nor toxic products in fire.

Extent of arrangement, placing, width and luminance of the photoluminescent strips based on the ambient light are to be in accordance with IMO Res. A.752 (18) or ISO 15370:2010 and is to be approved by the administration or competent authority in each case/project.

Photoluminescent strips having a width less than 75 mm shall only be used if the luminance is increased to compensate for the reduced width in accordance with Ch. 7.1 of IMO Res. A.752 (18) or Ch. 4.2.2 & Annex D of ISO 15370:2010.

### Type Examination documentation

Test reports No. MTK4P05321-03, MTK4P05321-04 and MTK4P05321-05 dated 15 August 2014 from Technical Research Institute of Sweden (SP).

Test reports No. ICL/H12/1395 7 June 2012 and ICL/H14/4048 dated 1. September 2014 from Interscience Fire Laboratory, Hampshire, UK.

### Tests carried out

Tested according ISO 15370:2010 Annex A and IMO 2010 FTPC Part 5 and Annex 2 item 2.2, and FTPC Part 2 (ISO 5659-2:1994).

### Marking of product

The product or packing is to be marked with name of manufacturer, type designation and the MED mark of conformity (see below).

### Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

