



# DET NORSKE VERITAS

## EC TYPE-EXAMINATION CERTIFICATE

*Application of:* Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2002/75/EC, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This certificate is issued by Det Norske Veritas under the authority of the Government of the Kingdom of Norway.

**CERTIFICATE NO. MED-B-2079**

This Certificate consists of 3 pages

*This is to certify that the product*  
**Low-Location Lighting Systems**

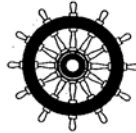
*with the type designation(s)*  
**LONGLITE DIN, LONGLITE MEGA 800,  
LONGLITE MEGA 900 and LONGLITE MEGA STAR**

*Manufactured by*  
**LONGLITE TECHNOLOGIES AG**  
Wil SG, Switzerland

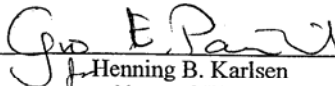
*is found to comply with the requirements in the following Regulations/Standards:*  
Annex A.1, item No. A.1/3.40 and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation II-2/13.3.2.5.1, II-2/13.3.2.5.2 and FSS Code Ch.11.

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

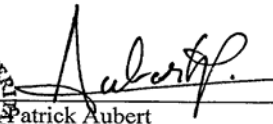
*Place and date*  
Høvik, 2004-09-28  
for DET NORSKE VERITAS AS



*This Certificate is valid until*  
2009-09-28

  
Henning B. Karlsen  
Manager, MTPNO370  
Department Systems & Components

Notified Body No. 0575

  
Patrick Aubert  
Surveyor

*DNV local office:*  
DNV Essen

*Notice: 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.*

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: MED-B-2079  
Case No.: EC-FP-254  
File No.: A.1/3.40

### Product description

LONGLITE DIN, LONGLITE MEGA 800, LONGLITE MEGA 900 and LONGLITE MEGA STAR,  
composed of photoluminescent PVC plates of thickness 1.2 mm.

### Application/Limitation

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

Extent of arrangement, placing and luminance based on the ambient light of the photoluminescent material is to be in accordance with IMO Resolution A.752 (16) and ISO 15370 (2001) and is to be approved by the administration or competent authority in each case/project.

Each product/system is to be supplied with its manual for installation, use and maintenance.

### Type Approval documentation

Test report No. S1E1385/A dated 9 July 2003 and No. S1E1514 dated 27 July 2003 from Bundesanstalt für Materialforschung und prüfung, Berlin, Germany and No. SN95.64.1 dated 7 February 1996 from TÜV Nord, Brandversuchshaus Hamburg, Germany.

Tested according to IMO Resolution ISO 15370 (2001) and IMO FTPC Part 5 (IMO Res. A.653(16)).

### Marking of product

The product or packing is to be marked with name of manufacturer, type designation and the MED mark of conformity (see page 3).




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Cert. No.: MED-B-2079  
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### 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 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.

END OF CERTIFICATE

