

TRANSPORT CANADA  
**CERTIFICATE OF APPROVAL**

THIS CERTIFIES THAT THE ITEM SPECIFIED HEREIN HAS BEEN APPROVED BY TRANSPORT CANADA, IN ACCORDANCE WITH THE PROVISIONS OF THE CANADA SHIPPING ACT, 2001 AND REGULATIONS MADE THEREUNDER AND SUBJECT TO CONDITIONS SET FORTH ON THE REVERSE SIDE.

TRANSPORTS CANADA  
**CERTIFICAT D'APPROBATION**

LES PRÉSENTES FONT FOI QUE L'ARTICLE MENTIONNÉ DANS LE PRÉSENT CERTIFICAT A ÉTÉ APPROUVÉ PAR TRANSPORTS CANADA, CONFORMÉMENT AUX DISPOSITIONS DE LA LOI SUR LA MARINE MARCHANDE DU CANADA, 2001 ET DE SES RÈGLEMENTS ET SOUS RÉSERVE DES CONDITIONS FIGURANT AU VERSO.

## ISSUED TO - TITULAIRE

Daniamant Limited  
Unit 3, The Admiral Park  
Airport Service Road  
Portsmouth, PO3 5RQ  
United Kingdom

## ITEM - L'ARTICLE

**LIFEBUOY LIGHT**  
**"DANIAMANT L161"**

## DESCRIPTION

Flashing location light with a minimum intensity of 2.0 Candelas for a period of 2 hours. Activation achieved by a slide action switch with automatic activation of the switch upon removal from its mounting bracket.

## REMARKS - REMARQUES

1. The approval is based on prototype unit tests Reports No.09-03a "DANIAMANT L160, L161, L162 and L163 Evaluation and test report for SOLAS witnessed by TUV Product Service Ltd" issued on 06.08.2009 and Report No.09-10 Evaluation and Test Report (optional alternative battery type "CR123A") Issue 1, dated 20.10.2009.
2. Complies with SOLAS 74 as amended, the LSA Code and IMO Res. 81(70).
3. Conditions of Approval are specified on reverse side of the certificate.
4. Attached Schedule forms part of this certificate.
5. The validity of this certificate is contingent upon Lloyd's Register EC type examination (module B)  
Certificate remaining in force.

This approval supersedes approval number

La présente approbation remplace l'approbation n°

dated

datée du

This certificate is not transferable and is effective until

Le présent certificat ne peut pas être cédé et il est valable jusqu'au

January 31, 2015

unless cancelled or suspended by proper authority.

à moins d'annulation ou de suspension par l'autorité compétente.

Signed, on behalf of the Minister of Transport by  
Signé, au nom du Ministre des Transports par

January 21, 2010

Date



Transport  
Canada

Transports  
Canada

## CONDITIONS OF APPROVAL

The approval of the article covered by this certificate is valid only as long as the article is manufactured in accordance with the details of the approved drawing specification or other data referred to; no modification of the approved design, construction or material shall be adopted until the proposed modification has been presented for consideration of Transport Canada, and confirmation has been received that it is acceptable.

**This certificate may be suspended or cancelled if the manufacturer deviates from the standards prescribed for the equipment herein specified.**

## CONDITIONS D'APPROBATION

L'approbation de l'article visé par le présent certificat n'est valable que dans la mesure où la fabrication de cet article satisfait aux dessins, devis ou autres données approuvés; aucune modification du dessin, de la construction ou du matériau approuvés ne sera adoptée avant que la modification envisagée n'ait été présentée pour étude à Transport Canada, et que confirmation de son acceptabilité n'ait été reçue.

**Le présent certificat pourra être suspendu ou annulé si le fabricant s'écarte des normes prescrites pour l'équipement mentionné aux présentes.**

## SCHEDULE OF APPROVAL

### Drawings and specifications

Drawing No.	Issue	Title	Date
62-002F	2	L161 FAMILY TREE	05/11/2009
62-002A	3	L161 LIFE BUOY LIGHT (ATEX)	04/09/2009
62-124D	3	L161 LABEL	13/10/2009
62-118D	1	L161 PCB ASSEMBLY	13/05/2009

- Power source:

The lifebuoy light L161 is approved for use with battery types CR 2/ 3A or CR 123A.

- Dimensions & Weight:

Overall dimensions of light in container: height 174 mm and diameter 101 mm. Overall weigh 299- light unit only 226 g.

### Instructions and Markings

All required marking shall be specified in English and French.

### Conditions

1. The lights are to be constructed in accordance with manufacturer's drawings listed above and no departure from these drawings shall be made without prior notification to Transport Canada Marine Safety.
2. The manufacturer is responsible that every light built to this Certificate of Approval corresponds to the approved prototype.
3. Production line unit approval is conditional upon compliance with MSC.81(70).
4. The light has to prove satisfactory in service.
5. The battery / light unit must be replaced on or before the expiry date marked on its label.
6. Each light to be supplied with instructions in both English and French in a form suitable for attachment to the lifejacket donning instruction sheet and suitable for inclusion in the ship's on board Training Manual

This certificate may be suspended or cancelled if the manufacturer deviates from any of the conditions described herein without the prior consent of the Board of Steamship Inspection.

### End of Certificate

