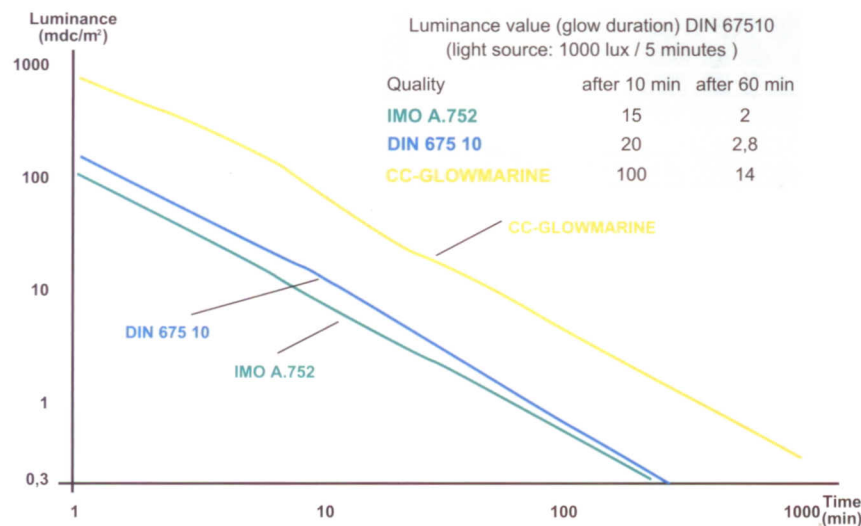


Powered by **CC-GLOWMARINE** Photoluminescent (PL) products.



PRODUCT TECHNICAL INFORMATION:

Self-adhesive flexible tape and rigid PVC with "High Intensity" luminous properties.

Temperature ranges:

Application: + 10°C to +40°C

End-use : -30° to + 70°C

Flammability ISO 3795

Self-extinguishing.

Luminance (glow duration)

DIN 67510 (light source: 1000 lux / 5 min.)

- after 10 min. : 100 mcd/sqm

- after 60 min. : 14 mcd/sqm

Solvent resistant

Lead and phosphorous free

Non-toxic

Fire safe and maintenance free

REGULATION:

Low-location lighting (LLL) is required by the regulation II-2/28, paragraph 1.10 and II-2/41-2, paragraph 4.7 of the SOLAS Convention, as amended, on all passengers ships carrying more than 36 passengers and also apply to the crew accommodation, to really identify the passengers' route of escape when the normal emergency lighting is less effective due to smoke. The guideline for evaluation, testing and application of LLL is identified in Resolution A.752(18) and also with ISO 15370 as adopted by IMO.

Lloyd's Register
LR APPROVED

LR Type Approval Certificate

This is to certify that the underlined product(s) have been tested with satisfactory results in accordance with the relevant requirements of the LR Type Approval System

This certificate is issued to:

PRODUCER	CC Glowmarine
DESCRIPTION	After glow Secure Indication System, fire Safety Signs
TYPE	RGT - RGH
APPLICATION	Marine and offshore use
STANDARDS	Complies with IMO Res. A.752(18) IMO FTTTC Part 5 Test for Surface Flammability
SPECIFICATIONS	Consists of polyvinylchloride (PVC) and photoluminescent (PL) material of thickness approx. 1.2mm See Manufacturer's Specification
OTHER CONDITIONS	Approval for use as 'escape route signs and fire equipment location marking. Extent of application, placing and luminance based on initial light source of the photoluminescent material is to be in accordance with IMO Res. A.752(18) and approval in each case.

Certificate No: 07000236
Issue Date: 15 July 2007
Expiry Date: 14 July 2012
Sheet: 1 of 2

Lloyd's Register Lloyd's Register of Shipping
71 Pancruch Street, London EC3M 4HS

RINA

CERTIFICATE OF APPROVAL
OF SERVICE SUPPLIER

CERTIFICATE NO. 2008GE0132

This is to certify that

C&C SHIPPING SOLUTIONS SRL
VIA BORGOLLO 100 GR
GENOVA - GE ITALY

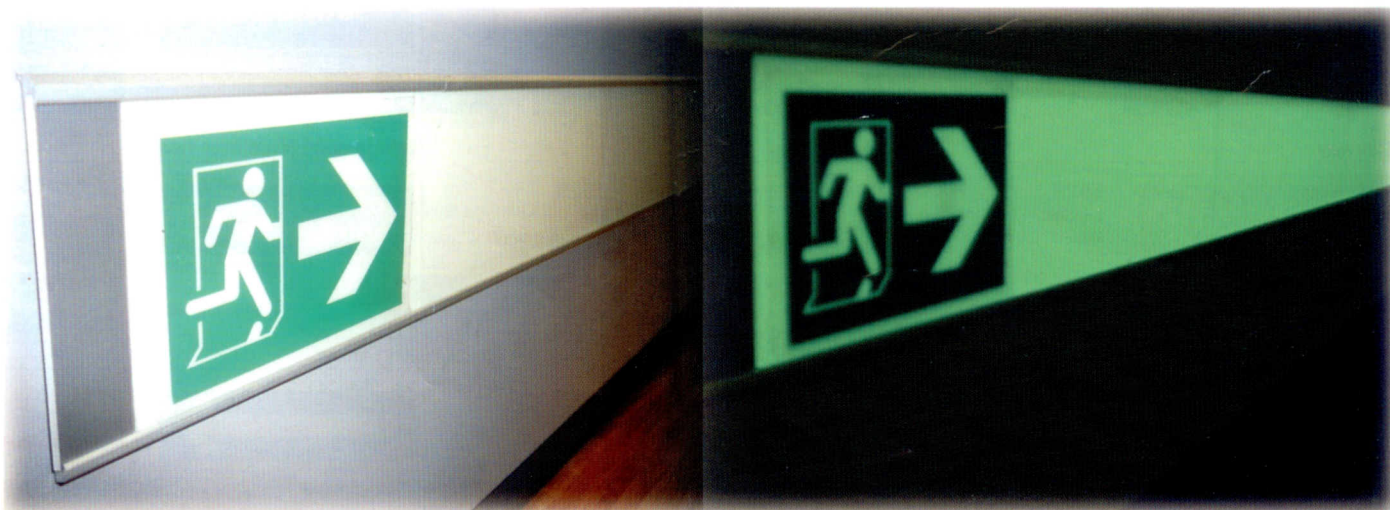
Has been approved in compliance with the
RINA "RULES FOR THE CERTIFICATION OF SERVICE SUPPLIERS"
for the supply of the following services to ships and other units classed by RINA:

K - Low locating light (photoluminescent) testing and measurement

Issued in Genova on 06/02/2008 This Certificate is valid from the date of the initial audit until 06/02/2011

This certificate consists of this sheet plus an attachment

RINA
Giorgio Ceroni



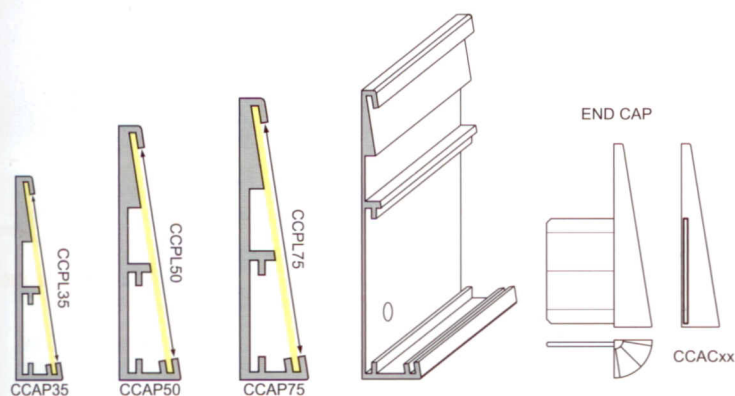
CC-LLL PHOTOLUMINESCENT SYSTEMS.

IMO Res. A.752(18) requires the PL strips should be no less than 75 mm wide. PL strips having a width less than that stated herein should be used only if their luminance is increased proportionally to compensate their width. C&C Shipping Solutions LLL system complies with the IMO and ISO standard, it is available in silver-anodised aluminium wall profiles in different heights and forms.

The extrusions are designed to firmly grip the *CC-GLOWMARINE* Photoluminescent PVC strips upon insertion into the channel.

Profiles can be fixed either with screws, flooring adhesive or a recommended double side adhesive tape (item code **7047** at page 3).

LLL ANGLED PROFILE



PRODUCT CODE:

Aluminium anodised wall Angled Profile:

CCAP35 (Angled Profile) Width mm 35 x 1.5 mt.

CCAP50 (Angled Profile) Width mm 50 x 1.5 mt.

CCAP75 (Angled Profile) Width mm 75 x 1.5 mt.

Photoluminescent PVC strips:

CCPL35 Width mm 35 x 1 mt.

CCPL50 Width mm 50 x 1 mt.

CCPL75 Width mm 75 x 1 mt.

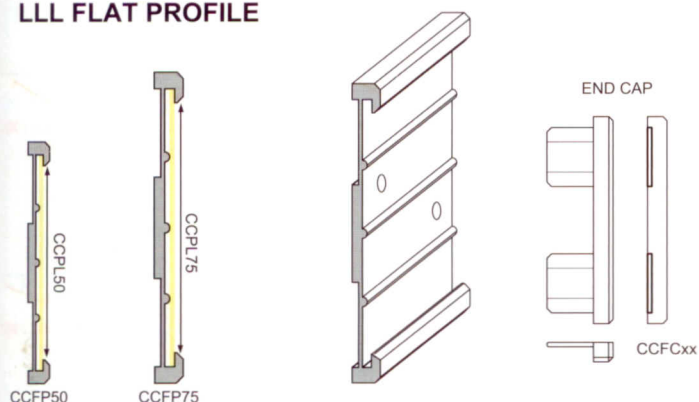
Plastic End Cap:

CCAC35 Width mm 35

CCAC50 Width mm 50

CCAC75 Width mm 75

LLL FLAT PROFILE



PRODUCT CODE:

Aluminium anodised wall Flat Profile:

CCFP50 (Flat Profile) Width mm 50 x 1.5 mt.

CCFP75 (Flat Profile) Width mm 75 x 1.5 mt.

Photoluminescent PVC strips:

CCPL50 Width mm 50 x 1 mt.

CCPL75 Width mm 75 x 1 mt.

Plastic End Cap:

CCFC50 Width mm 50

CCFC75 Width mm 75

ASSEMBLING

