

MARINE ESCAPE LIGHTING

SURVIVOLITETM

emergency egress lighting

Features

- High Brightness Light Emitting Diodes (LEDs)
- Visible through dense smoke and turbid water
- Sealed, low energy light source
- Meets MIL-L-85676 AS
- ± 65° viewing angle
- Penetration range of 4 metres through a specific optical density of 1.7 per metre
- Dominant wavelength 525nm (green)
- Meets STANAG 3870 requirements of 10 cd/m and a 120° viewing angle in both air and water

Survivolite penetrates the most adverse conditions of turbid water and dense smoke. Trials have confirmed that LED's are the only technological solution that meets all the requirements to provide visual guidance to an escape door in these conditions. The high intensity beamed point sources minimise absorption and scatter and maximise optical penetration.

System Configuration

Traditionally high-mounted emergency lighting has been provided to cater for failure of the normal light-



ing system. Survivolite is specifically designed to aid escape from dense smoke, and will also function underwater to at least 30 metres. The recommended configuration is a discontinuous line of light providing way guidance to exits. This can be supplemented by high brightness LED versions of the conventional high-mounted "running man" symbols above exit doors. Horizontal low-level illuminance on steps and other changes of level are highly desirable. In open areas and long corridors, Survivolite "arrow" symbols will indicate the

direction to emergency exits. Water activated switches and batteries designed as an integrated part of the survivolite system are also available from Oxley.



Survivolite product

Survivolite is available in two product styles:

- Strips of flexible translucent fire resistant silicone rubber
- Light modules in polycarbonate housing

A variety of Survivolite pictograms and arrows are available

Applications

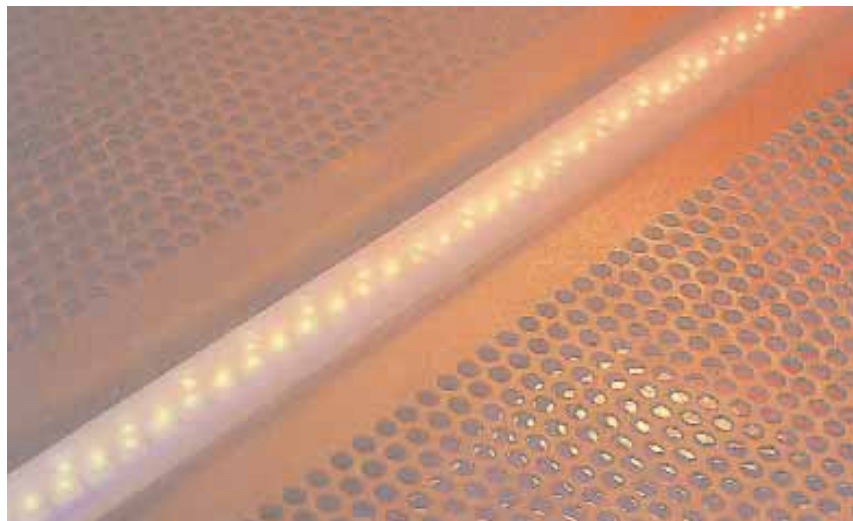
- Corridors / gangways
- Steps
- Exit doors and exit routes
- Deck lighting
- Muster Area identification
- Heli-pad landing lights e.g. Type 42 Destroyer application
- Deckway lighting
- Engine room walkways

Alternative marine applications

- Red, blue and white colours are available for non-emergency egress applications

Specification

- Current Consumption @ 28°C: 100mA (maximum)
- Luminous intensity at 80 mA: 500 mcd (typical)
- Operating temperature: -30°C to 80°C
- Intensity per metre @ 80mA: 25 cd/m



European and international patents
Company Approvals: BS EN 9001:1994 and QAS/34/61 REG No. FM 01759
CECC Approval No. M/0022, BS 9000
Approval No. 1048/M
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For further information and to order please contact Oxley Avionics with your specific requirements

OXLEY AVIONICS

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