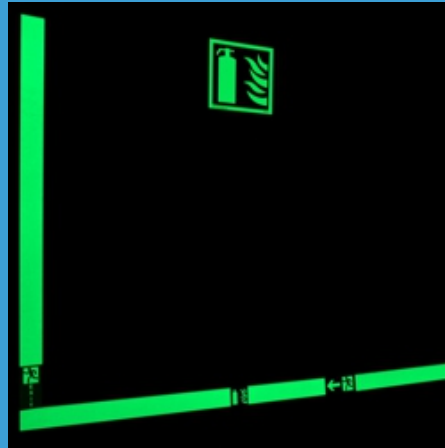


Low Location Lighting (LLL)



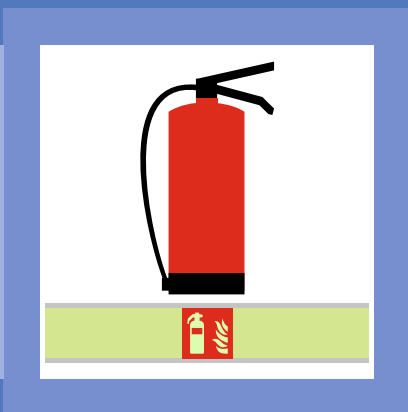
What is Seaward Safety's Photoluminescent LLL?

When a room fills with smoke, the common practice is to get low to the floor. But what if you have lost your sense of direction, or don't know where you are? Seaward Safety's LLL system was developed for exactly that - a system to direct your employees to safety, while also displaying equipment which may be of vital use e.g. extinguishers, fire blankets etc.

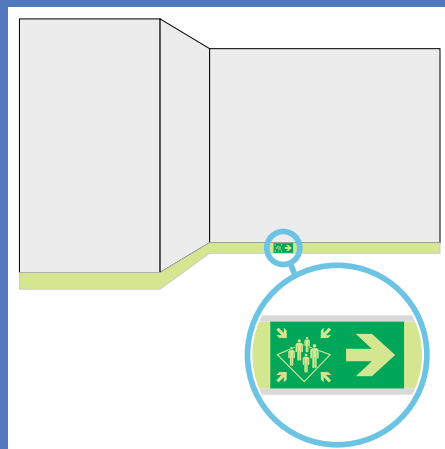


Using a high quality, fire retardant photoluminescent insert, our LLL system will continue to highlight a safe route in the event of power failure, fire or smoke ingress.

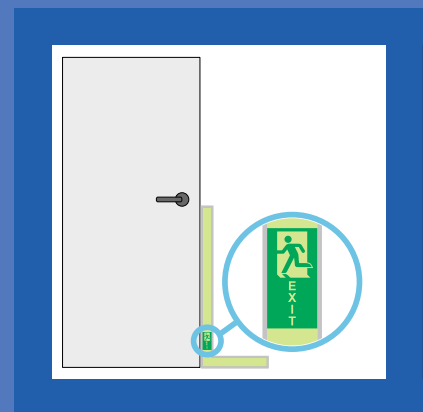
Seaward Safety offers a diverse range of symbols to highlight escape routes, fire fighting equipment and life saving appliances.



Firefighting equipment, such as extinguishers, are highlighted within the LLL system



LLL should be continuous except when interrupted by corridors and/or cabin doors.



LLL should lead to exit door handles. Non-exit doors should not be highlighted.



Benefits of Seaward Safety's Photoluminescent LLL

- During testing, after 60 minutes of all illuminating sources being removed, Seaward Safety's photoluminescent LLL exceeded the minimum luminance requirement (as per regulations set out in ISO 15370) by almost quintuple the minimum value.
- This system does not require electrical power during charge or operation and is very low maintenance. An ideal, cost effective alternative to electrical LLL systems.
- Once installed, our LLL system only needs to be fully tested once every 5 years.
- A reliable means by which owners and operators can demonstrate their legal duty of care.
- As well as offshore and marine, our LLL system can be installed in commercial, domestic and industrial environments and can comply to any standard, including ISO 15370.

Seaward Safety can provide both a Survey and Installation service to assist with any of your LLL requirements.

Examples of some of our many LLL Symbols



The Legislation

Legislation states that a facility's complete Low Location Lighting (LLL) system must be fully tested over a five year period, as according to ISO 15370:2010 and IMO Resolution 752(18). It is also recommended that a test and inspection of at least one deck in each main vertical zone be conducted annually. Results should be recorded and be readily available to any competent authority.



Seaward Safety's Testing Service

As part of our Testing Service, Seaward Safety Engineers will test your luminance and take readings on site. We will advise whether your luminance readings meet legal obligatory requirements and can consult on further steps, should your luminance levels not meet these ratings.

Seaward Safety's Engineers can attend your facility and conduct the required tests anywhere in the world. Each Engineer is fully certified, health and safety trained and will conduct a risk assessment prior to any testing. Our testing service can be employed anytime, whether a facility is in a shipyard, quayside, offshore, being towed or in full operating mode.

All testing equipment used by Seaward Safety is calibrated in accordance with the Manufacturers requirements and ISO:9001.