



BROCHURE

NEW

ODEO Strobe

ODEO STROBE

Daniamant design and manufacture all of our products in line with the relevant worldwide approvals, technical specifications, current legislation and International directives.

Our mission is to achieve World class performance through partnerships with our suppliers, customers and employees, providing products and services that enhance the safety and security of our customers.

Daniamant products cover 12 key areas:

- Lifejacket Lights
- Liferaft Lights
- Lifebuoy Lights
- Intrinsically Safe Lights
 - Special Lights
 - LED Flares
- Forward Looking Sonars (FLS)
 - Bridge Navigational Watch Alarm System (BNWAS)
 - Salinometers
 - Oil Level Alarm
 - Electronic Inclinometer
- Agency for a range of world-renowned safety product brands (supplied to the Danish market)

Further Information

For further information on our products, please see our website: www.daniamant.com

Introduction

Daniamant introduces the latest model in the popular ODEO product family. The new ODEO Strobe is designed for use in lifesaving situations as a collision warning signal, or to pinpoint your position in a distress situation.

Approved to MED, SOLAS and USCG requirements the ODEO Strobe is capable of a visible high intensity flash and includes an Infra-Red signal. The ODEO Strobe has a maximum luminous intensity of 50cd visible for over 3 nautical miles.

Lasting up to 2 days, the strobe light is also waterproof to 50m (IP68).

It is compact and lightweight and uses a user replaceable AA lithium or alkaline cell, also included is a velcro strap to make mounting the ODEO Strobe to your life jacket or belt easy, so that the strobe light can be accessible the moment you need it.

Features:

- Easy 'twist action'
- User replaceable batteries
- CE mark
- Lanyard
- Lightweight
- Flashing Light
- Visible over 3 nautical miles
- Infra-red
- Velcro Strap

Installation:

The ODEO Strobe can be held by hand in an emergency situation or fitted to a lifejacket using the velcro strap that is supplied with the unit. Easily accessible and easily activated.



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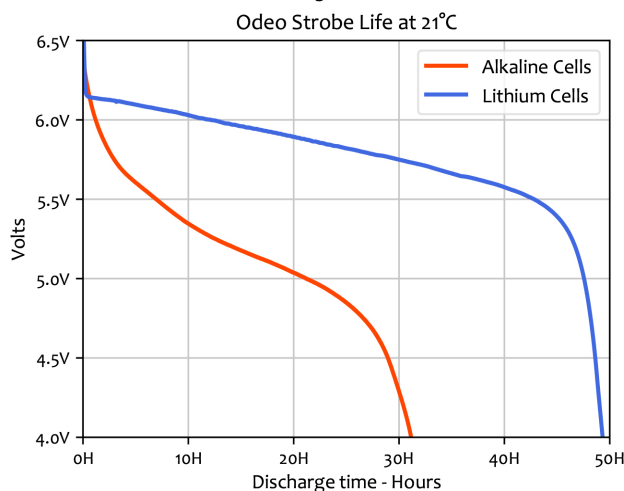
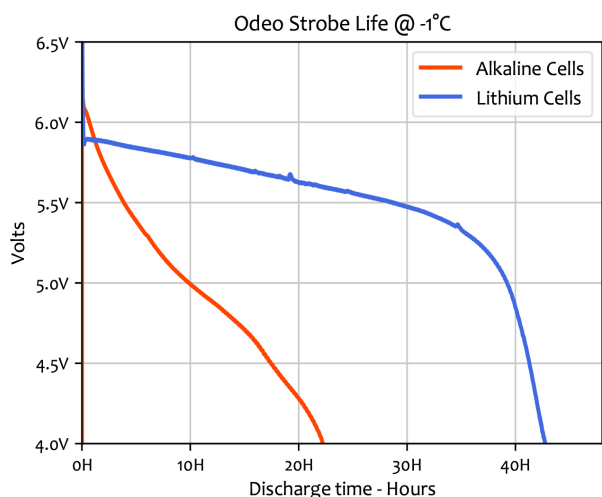
Typical Use:

The ODEO Strobe gives a very effective visual signal for position indication or collision warning. Its powerful output and long life means it can be activated and no further action is required. it will continue to flash for up to 2 days.

Power Supply:

The ODEO Strobe uses 4 x AA L91 Lithium batteries or 4 x AA alkaline batteries. These batteries have the required shelf-life and power capacity and will operate over an extended temperature range. Lithium provides superior duration, especially in cold conditions. Please note battery types cannot be mixed.

Performance Comparison:





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ODEO DISTRESS
FLARE

NEW

Odeo Distress LED Flare (eVDSD)

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Introduction

Daniamant is proud to introduce the ODEO Distress as the next generation of Electronic Visual Distress Signal Device (eVDSD). As the world starts to embrace LED technology as an alternative to traditional pyrotechnic flares Daniamant have built on the ground breaking ODEO Flare design and improved the product once more.

New standards and regulations are still being discussed at the USCG and RTCM; these will result in an alternative standard to replace pyrotechnics. Whilst this work proceeds in the background, Daniamant thought that our Customers should be able to take advantage of technology advances in the interim.

Function

Traditional flares will illuminate for around 30 seconds before extinguishing, the Odeo Distress illuminates for around 8 hours at full illumination. Because no pyrotechnics are used, the Odeo product range is totally safe when switched off, and because it uses battery power (high power Lithium or Alkaline cells), it can even be safely posted or carried in baggage on flights.

Major Benefits

- No heat, no flames, no risk
- No explosive compounds for shipping or disposal
- Increased Safety
- Longer operating life – now 8 hours 25% more than the ODEO Mk3
- Supplied with lanyard
- Search and Rescue aircraft safe
- Ideal for diving; tested to 75 meters for 1 hour
- Floats
- Easy user battery change
- Now includes IR LED for NVG search and rescue
- SoS Signal built in
- Small compact design (grab bag item)
- Simple activation (with wet or gloved hand)
- Dual function including flicker and SoS strobe





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Typical Use

Whilst originally designed for marine use, its lightweight, safe performance means that it is incredibly useful for any outdoor activity. The smaller size makes the ODEO Distress ideal for mountaineering, skiing, kayaking, expeditions etc. - any activity that can benefit from the added safety and security of carrying a distress flare - without the unwanted dangers. The ODEO Distress small size and waterproof rating IP68 (50m) also makes it an ideal safety device for divers.

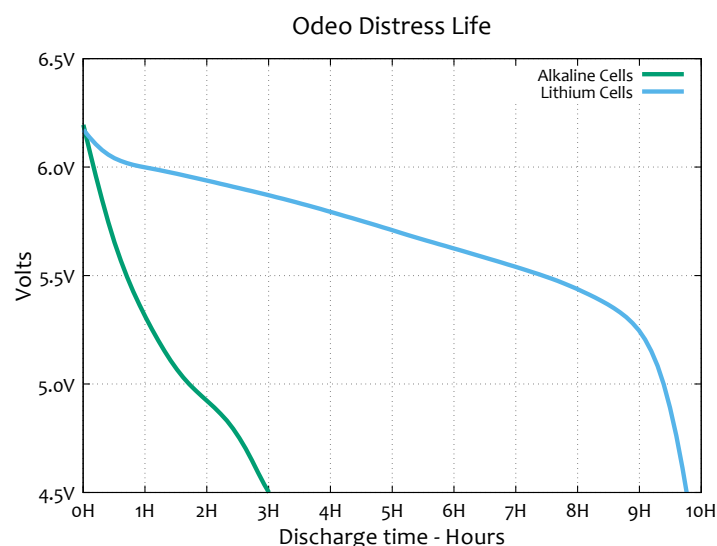
Power Supply

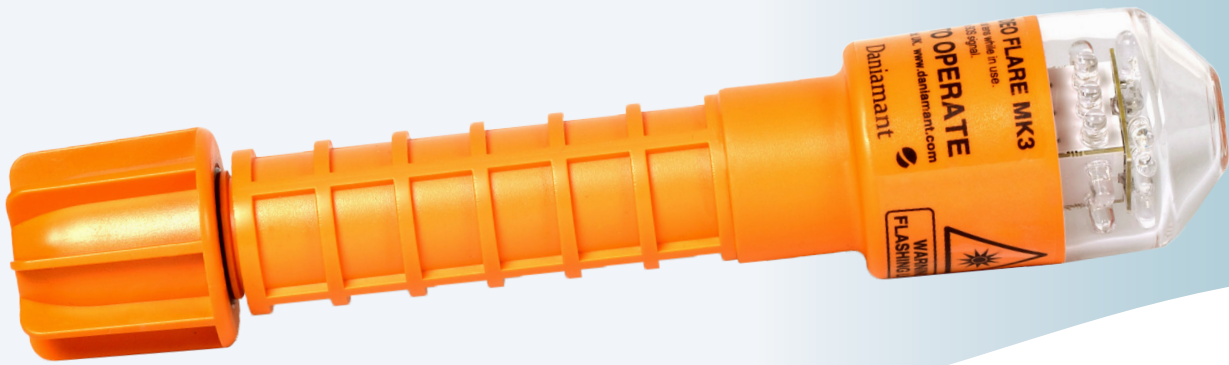
The Odeo Distress uses either 4 x L91 Lithium batteries or 4 x Alkaline batteries. These batteries have the required shelf life and power capacity and will operate over an extended temperature range.

Regulations

The Odeo Distress is designed with consideration to SOLAS requirements, making it a genuine alternative to the pyrotechnic red hand held flare. The US Coast Guard is now leading the world in developing standards for electronic Visual Distress Signal Devices (eVDSD's) as a replacement for the hand held pyrotechnic flare. The Odeo Flare™ also outputs an SOS signal during its flash pattern as described in Annex 4 to COLREGS, and is thus an internationally recognised distress signal.

Performance Comparison





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NEW

Odeo Flare™ LED Flare (eVDS)

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Daniamant
Be safe at sea



Introduction

Odeo Flare™; Odeo stands for Omni Directional Electrical Optical signal and is an innovative alternative and enhancement to traditional hand flares.

Function

Traditional flares will illuminate for around 30 seconds before extinguishing: the Odeo Flare™ illuminates for around 6 hours at full illumination. Because no pyrotechnics are used, the Odeo Flare™ is totally safe when switched off, and because it uses battery power (high power Lithium or Alkaline cells), it can even be safely posted or carried in baggage on flights.

Major Benefits

- No heat, no flames, no risk
- No explosive compounds for shipping or disposal
- Increased Safety
- Longer operating life
- Supplied with Wrist Strap
- Search and Rescue aircraft safe
- Tested to 50 meters for 1 hour

Typical Use

Whilst originally designed for marine use, its lightweight, safe performance means that it is incredibly useful for any outdoor activity. Mountaineering, skiing, expeditions etc. - any activity can benefit from the added safety and security of carrying a distress flare - without the unwanted dangers.

Power Supply

The Odeo Flare uses either 3 x L91 Lithium batteries or 3 x Alkaline batteries. These batteries have the required shelf life and power capacity and will operate over an extended temperature range.

Regulations

The Odeo Flare™ is designed with consideration to SOLAS requirements, making it a genuine alternative to the pyrotechnic red hand held flare. The US Coast Guard is now leading the world in developing standards for electronic Visual Distress Signals (eVDS) as a replacement for the hand held pyrotechnic flare. The Odeo Flare™ also outputs an SOS signal during its flash pattern as described in Annex 4 to COLREGS, and is thus an internationally recognised distress signal.



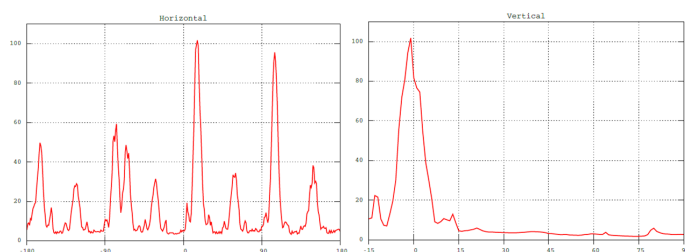
Frequently Asked Questions

What is the visible range?

In the UK, a moonlit trial undertaken by Yachting Monthly resulted in detection at well in excess of 3 nm. More recently the Finnish coastguard carried out tests where the Odeo Flare™ was visible from their helicopter at 10 nm and easily visible from 6 nm. So, we say the visible range is a minimum of 3 nautical miles, but much more in good conditions.

What is the light output?

At full voltage the Odeo Flare™ has a peak light output of 100 cd.



How long does it last?

At ambient temperatures the supplied AA lithium batteries will last for 6 hours at full power. The Odeo Flare™ is supplied with Lithium Iron Disulphide batteries, which are readily available in supermarkets. These batteries have the required shelf life and power capacity and will operate over the temperature range -40°C to +60°C. It's always a good idea to carry a spare set - this will give you an extra 4-6 hours of continuous use. In an emergency any AA batteries can be used but operating life will be degraded accordingly (the alternative AA Alkaline batteries will last for 4 hours at full power).

Is the unit waterproof?

It certainly is, we have tested it officially to IP68 which means it is totally protected against the ingress of solid objects and has been submerged in water up to 50 metres for 30 minutes. In addition to this we have tested the Odeo Flare in our pressure test chamber at 100 meters for one hour, which makes it ideal for use when diving.

If it gets damaged, how do I dispose of it?

There is no disposal hazard with the Odeo Flare™. It can be disposed of in landfill as normal household waste as long as the batteries are separated and recycled. Alternatively you can return your old Odeo Flare to Daniamant in Portsmouth and under our WEEE scheme we will dispose of it for you.

If I buy one as a gift, can it be posted?

Yes, there is no problem posting to either UK or overseas addresses. In fact, we use post and air freight as the only methods of despatching the product. The three cells in the product are not electrically connected and are covered by shipping exemptions for lithium batteries. It can also be purchased without batteries.

Can I take it on an aircraft?

Yes, it is safe to carry, although the airline will probably want you to put it in your hold baggage.

Will others know it as a distress flare?

Yes. Apart from the flame-like flicker, it also makes the SOS signal as described in Annex 4 to COLREGS, and is thus an internationally recognised distress signal. It has similar visual characteristics to a conventional flare, and a piercing light - but, of course, it lasts considerably longer.

If I drop it overboard will it float?

Yes. The design team are yachtsmen and this was one of the first considerations, and, of course, it is sealed, so it will not be damaged.

Can I leave it on board over winter?

Yes, it is ok to store it on board, in a garage or shed for example, provided the temperature range is between -40° to +60°C. The Odeo Flare™ was designed to be stored on board a boat and is built from materials that will not corrode.

Is the Odeo Flare accepted under SOLAS regulations as an alternative to the hand held flare?

Not yet. However, the Odeo Flare™ makes a recognised distress signal as described in Annex 4 to the International Rules for the Prevention of Collisions At Sea (COLREGS).

Until SOLAS rules are change, coded and commercial vessels must still carry pyrotechnic flares. Daniamant are actively involved in the current USCG trails on drafting a specification for LED flares.

Does it have an expiry date?

There is no expiry date on the unit. The Odeo Flare™ is supplied with batteries that have a long shelf life. The batteries should be regularly changed with the correct replacements. The flare should be carefully stored and regularly checked for any damage. The product has a two year warranty, but should offer many years of use if maintained and stored correctly.

What does Odeo mean?

Omni-directional-electro-optical.