



Odeo Distress LED Flare (eVDSD)

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)

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 60 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





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.

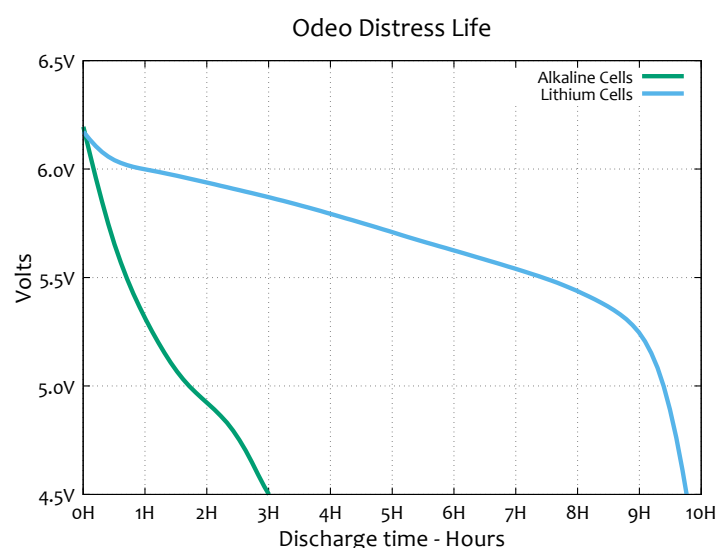
Power Supply

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





TECHNICAL DATA SHEET



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MODEL	Lithium	Alkaline
Part number - Tube pack	31-001A	31-003A
Part number - Tube pack - No Batteries	31-005A	
Body colour	Orange	
Body material	ABS	
LED - Colour	Red	
IR Specification	830nm, 10mW/sr x 5	
Coverage	Horizontal plane: Maximum: 90 cd / Minimum: 35 cd / Average: 63 cd Vertical beam: 35 cd Other directions: approx. 20 cd	
Detection Range	Minimum 3 nautical miles; up to 6 nautical miles in ideal conditions	
Batteries	4 x AA L91 Lithium iron disulphide cells	4 x AA Alkaline cells
Batteries - Daniamant Part Numbers	49-115	30-119
Battery - Marine use	Recommend battery change every year	
Water tightness	Tested to IP68 & 75 meters for 1 hour	
Operating temperature	-40 C to + 60 C	-18 C to + 55 C
Operating life	9 hours at full illumination	3 hours at full illumination
Drop test	2 meters	
Weight - including batteries	Lithium 150g	Alkaline 180g
Floats	Yes	

Packing Specification

The Odeo Flare is supplied as standard in a clear plastic tube.

To minimize shipping costs, all Odeo Flares are packed and supplied in boxes of 10 off and 25 off.

The dimensions are:

Box of 10 off : 31 x 31 x 12 cm

Box of 25 off : 31 x 31 x 31 cm

Approximate packed weights are:

With Batteries:

Box of 10 off : 3.5 kg

Box of 25 off : 7.5 kg

Without Batteries:

Box of 10 off : 3.0 kg

Box of 25 off : 6.5 kg

Odeo Distress Outline

