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# THE ARBARR ELECTRONICS PRODUCT GUIDE

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## MARSHALLING & LIGHTING

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# INTRODUCTION

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Arbarr Electronics is an award winning, ISO:9001: 2008 company, with over 20 years of experience in the lighting industry. Arbarr envisages the need for cost effective, environmentally friendly and innovative solutions to your lighting requirements.

Arbarr's customer base includes the Queen's Flight (UK), the Queen's Helicopter Flight (UK), the BAA (the largest airport group in the world), DHL, FedEx, U.S.A.F. (Okinawa), Jackie Stewart's F1 Racing Team, several regional and international Airports, as well as many local government Fire and Police departments.

Due to the multi-functional nature of Arbarr's products, they are ideally suited to any application where emergency lighting (helipad marking, obstruction marking, etc) or marshalling (both air and road traffic), is required.

Arbarr's products have been used in both civil and military operations (IR & NVG), providing both permanent and temporary solutions to your lighting needs, complying with relevant CAA, FAA and ICAO specifications, ensuring quality that is second to none.

## PRODUCT – THE S.E.A.L. SYSTEM

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Figure 1 - The S.E.A.L. Lite in use.

The S.E.A.L. System consists of 12 S.E.A.L. Lites, supplied in a storm proof, carrying case (Figure 2). The system can be stored and charged simultaneously, via 12V supply (vehicle lighter socket) or mains electricity (optional). Charging of a case takes approximately 5 hours.

The S.E.A.L. Lite may be installed on hard ground (Figure 1), or in soft ground (Figure 3) using the t-piece and base plate provided.

When supplied with the S.E.A.L. Base Unit (optional), the following features are added to the S.E.A.L. Lite:

- Solar Charging
- Daylight Sensing
- Remote Control Operation
- Additional 60 Hours of Light @ 60 Cd

Various types of lenses are available for the S.E.A.L. System, the special Fresnel design allows for maximum light intensity at all angles and caters for multi coloured lenses, including:

- Orange
- Red
- Clear
- Blue
- Custom Colours Available On Request

The following types of bulbs are available for the system:

- White
- NVG
- IR



Figure 2 – 12 S.E.A.L. Lites in Storm Case

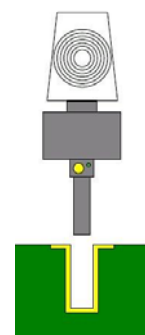


Figure 3 – A S.E.A.L. Lite Deployed in ground

# SPECIFICATION - THE S.E.A.L. SYSTEM

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Tables 1, 2 & 3 show the relevant specifications regarding dimensions, approximate battery life and intensity, relating to the S.E.A.L. System.

Setting	Luminosity (Candela +/- 5)	Battery Life (Hrs)
1	60	8
2	100	5
3	60 (Flashing 60FPM)	8

Table 1- Approximate Luminosity and Battery Life

Width (mm)	Height (mm)	Weight (Kg)
115	340	0.5

Table 2 – S.E.A.L. Lite Dimensions

Width (mm)	Width (mm)	Height (mm)	Weight (Kg)
625	501	366	13.5 (Case) + 12(0.5) (Lights) = 26.9

Table 3 – S.E.A.L. Storm Case Dimensions

# PRODUCT - THE S.E.A.L. WAND

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Figure 4 - The S.E.A.L. Wand

**The S.E.A.L. Wand** (Figure 4) is a rechargeable, multi intensity, marshalling wand.

With a range of lens sleeves available, including covert lenses, the S.E.A.L. Wand can be used for road traffic, aircraft and military marshalling.

The S.E.A.L. Wand may be charged using plug top or vehicle cigar lighter socket (optional). The mains charger allows up to two S.E.A.L. Wands to be charged simultaneously. Full charge, from empty, is achieved in approximately 2 hrs.

A carrying case is also available to store a pair of wands, charger and up to 6 lens sleeves.

Various types of lenses are available for the S.E.A.L. Wand, including:

- Orange
- Red
- Clear
- Blue
- NVG
- IR
- Custom Colours Available On Request

# SPECIFICATION - THE S.E.A.L. WAND

Tables 4 & 5 show the relevant specifications regarding dimensions, approximate battery life and intensity, relating to the S.E.A.L. Wand.

Setting	Luminosity (Candela +/- 5)	Battery Life (Hrs)
1	100	2
2	60	4

Table 4 - Approximate Luminosity and Battery Life

Width (mm)	Height (mm)	Weight (Kg)
115	430	0.5

Table 5 - S.E.A.L. Wand Dimensions

## OTHER PRODUCTS

Arbarr also offers other products relating to the industry, including:

- **The Arbarr Marshalling Bat** – A reflective, daytime marshalling bat (Figure 5), with a diameter of approximately 24.5cm.
- **The S.E.A.L. Wig-Wag** – Soon to be released. A rechargeable, alternate flashing warning light (Figure 6). Performs to the specification of a hardwired 'Wig-Wag' without incurring the cost of contracted installation.



Figure 5 - Arbarr Marshalling Bats



Figure 6 - S.E.A.L. Wig-Wag



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