

## Green Beacon Seat Belt Kit

Bulletin	UK	Export	Issued
1399	Yes	Yes	02/07/2019

### [VLC6159](#) Green Beacon Seat Belt Kit

Vapormatic has introduced a retractable lap belt and LED beacon set complete with micro-switch enabled buckle for use in off-road plant, construction and quarry vehicles. The kit allows operation of the green flashing warning beacon when the seat belt is engaged. The belt set is also available separately (part no. [VLD1864](#)). Features:

- ALR design (Automatic locking retractor) for mounting at any angle
- Belt length – 1070mm x 47mm width. Include anchor fixings
- Fits left or right hand-side
- IP67 rated micro-switch on buckle
- Includes anchor fixings and instructions
- E-Approved



#### VOLTAGE RESISTIVE LOAD

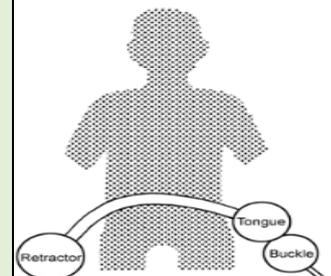
- 12VDC - 2A
- 24VDC -1A
- 42VDC 0.5A

WIRE COLOUR – Blue / Black / Red

#### OPERATION –

- Tongue disengaged from Buckle = Open Circuit } Blue/Black wires connected
- Tongue engaged in Buckle = Closed Circuit } Blue/Black wires connected
- Tongue disengaged from Buckle = Closed Circuit } Black/Red wires connected
- Tongue engaged in Buckle = Open Circuit } Black/Red wires connected

Fits left or right hand side

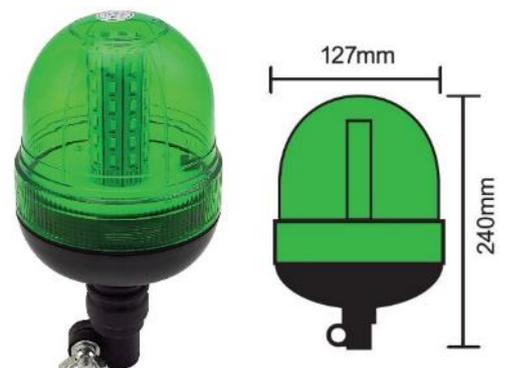


### Green LED Beacon

Included with the seatbelt kit or available separately as a replacement unit (part no. [VLC6144](#)).

ECE R10 approved LED warning beacon with 60 long-life high intensity LED's. Standard profile with long flexi DIN pole mount. Green coloured lens. Manufactured with a tough, durable plastic body and an impact-resistant polycarbonate lens. 3 selectable flash patterns; 360° rotating, low speed strobe and high-speed strobe. Very low current draw means low power consumption for a longer working life and better use of available, stored vehicle battery energy. E-marked. For off road application including construction equipment where there is no enclosed vehicle cab.

- Measurements: Width 127mm; Height 240mm. 12-24V operation
- 60x high intensity LED's
- Very low power consumption
- Reverse polarity protection
- IP66 rated – dust & water protection
- Operating temperature -30°C + 50°C
- Can be used on either 12V or 24V vehicles



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### The Use of Flashing Green Beacons

#### Why are green beacons used on diggers, dumpers and other plant machinery?

Fitment of a green flashing beacon is designed to indicate that a seat belt is engaged in the open or enclosed driving cab when off-road plant and construction vehicles or machines are in use. When the seat belt is securely fastened, the green flashing beacon illuminates. Use of green beacons are additional to any amber flashing beacon requirement; i.e. it does not replace the need for amber flashing beacons.

#### When should green beacons be used?

Green beacons should be used on plant machinery and vehicles when working on-site, or, at worksites on a closed off road or area that is no longer regarded as being part of the highway. Green beacons are for off-road use only and should never be used on a highway.

#### Are there UK guidelines for use of green beacon seatbelt kits?

**Safer by Design – SafeQuarry / Mineral Products Association.** The Mineral Products Association (MPA), SafeQuarry programme was introduced in 2012 as a voluntary code of practice among its member Companies with the aim of achieving “Zero-Harm” on-site in the quarrying industry. Since its introduction in 2012, the Code of Practice has been adopted by a wider array of privately owned construction companies.

Machine Type	Requirement	Wording
Loader	Required for small, medium & large vehicles	Seat belts - Green light fitted to exterior of cab, which is lit when seat belt is worn
Bulldozers	Required for medium & large vehicles	Seat belts - Green light fitted to exterior of cab, which is lit when seat belt is worn
Excavators (tracked)	Required for small, medium & large vehicles	Seat belts - Green light fitted to exterior of cab, which is lit when seat belt is worn
Excavators (wheeled)	Required for small, medium & large vehicles	Seat belts - Green light fitted to exterior of cab, which is lit when seat belt is worn
Dump trucks (articulated)	Required for medium & large vehicles	Seat belts - Green light fitted to exterior of cab, which is lit when seat belt is worn
Dump trucks (rigid)	Required for small, medium & large vehicles	Seat belts - Green light fitted to exterior of cab, which is lit when seat belt is worn
Mobile crushers & screens	Not required	—

Source: Minerals Product Association: SafeQuarry Programme 2012.

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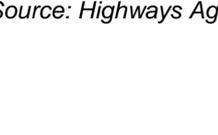
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**Raising the Bar - Highways England.** A recognised set of best practice standards has been produced by Highways England's delivery hub for Health, Safety and the Environment which sets out the health and safety requirements operated plant equipment and vehicles used on civil engineering projects. The "Raising The Bar" health and safety programme details the minimum requirements and safety standards for operated plant use across its managed motorway network. In recent years, it has become an adopted standard for many private companies and local authorities.

	Type of Plant Vehicle	Requirement	Wording
	180° Excavator / Backhoe	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	Forward / Side Tipping Dumper	<b>Minimum</b>	Seat belts must be fitted and interlocked with ignition switch/warning indicator and green beacon
	Mini Excavator	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	360° Tracked Excavator	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	360° Wheeled Excavator	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	Crawler Crane	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	Lorry Loader c/w Crane	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	Mobile Elevated Working Platform	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	Mixer Truck	Desirable	Seat belt operation interlocked with ignition switch/warning indicator

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	Telehandler	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	Road Sweeper	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	Tipper – Rigid or Articulated	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	Concrete Pump	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	Mobile Crane	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	Ride-on Compaction Roller	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	Tracked Bull-dozer	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	Wheeled Loading Shovel	Desirable	Seat belt operation interlocked with ignition switch/warning indicator
	Volumetric Mixer	Desirable	Seat belt operation interlocked with ignition switch/warning indicator

Source: Highways Agency: Health, Safety & Environment - Raising The Bar in Plant & Equipment 2013



All Vapormatic quality replacement parts carry an industry leading **12 month parts and labour warranty**. For further information on specific items please visit [www.vapormatic.com](http://www.vapormatic.com)