

The Salvo Series



...Taking you forward



The Emergency & Sensor Range



Product description

is an effective solution for emergency conversion of luminaires using LED arrays. The compact, robust housing is supplied containing our emergency driver, re-chargeable battery and connection terminals. Its hinged cover offers easy access for both wiring and battery during installation and once wired, it will pass through a ceiling cut out of just 100mm diameter. This product is intended to be used with a separate mains driver for Maintained applications, and is available pre-wired with cable assemblies for simple 'plug-and-play' convenience.

constant-power driver technology will run LED lamps or arrays from 9V – 200V, so making it easy to produce an emergency version of your existing LED luminaire* without the need for separate 'emergency' LEDs or connectors.

Features

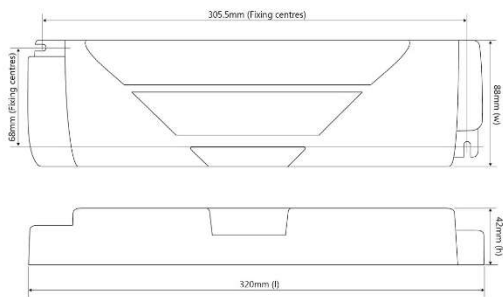
- > Ideal for use with LED panels or downlights
- > External battery connector for simple isolation
- > 3 pole isolation of lamp & mains driver power during emergency
- > 3 hour operation using 3 x 4Ah Nickel Cadmium (NiCd) or 4 x 4Ah Nickel Metal Hydride (NiMH) high temperature cells
- > Emergency output power (Typical) : 3W (3-cell) and 4W (4-cell)
- > Green charge indicator LED with 750mm leads and bezel (OB1)
- > Also available with DALI Self-Test functionality
- > Molded in black UL94_V0 rated Poly carbonate
- > Driver complies with: EN61347-1, EN61347-2-7, EN55015, EN61000-3-2, EN61547
- > Conforms to EN60598-1 & EN60598-2-22
- > Mating panel plug & socket connections available on request
- > Registered design: Certificate number 4041258

*Lamp switching current limitations apply. See applicable Omni-LED data for details.

Common Technical Data	
Input Supply Voltage	230V +/- 10%
Supply Frequency	50/60 Hz
LED Voltage Range	9 - 200V DC (See models below)
Battery Type	3.6V NiCd or 4.8V NiMH
Ambient Temperature Range	5 - 35°C
IP Rating	IP20
Earth Leakage Current	<0.5mA
Weight	0.7kg (4-Cell), 0.8kg (3-Cell)
Dimensions (mm)	320(l) x 88(w) x 42(h)
Minimum Ceiling Cut-out Size	100mm Diameter



(Registered Design)



[Installation instructions available here](#)



Product description

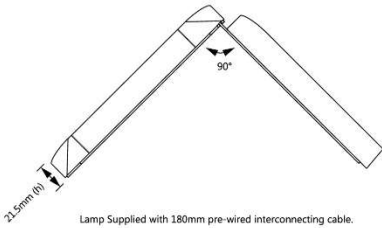
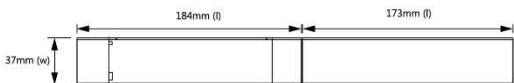
is a non-maintained, self-contained LED emergency luminaire comprising an emergency LED driver, hinged rechargeable battery and a flush-mount SELV lamp head. Its compact, low-profile hinged design means it can be installed through a 42mm lamp mounting hole, so making it ideal for use fixed ceiling applications.

The LED lamp incorporates a hidden 'push to test' switch and provides constant power output of 1.5W, so maintaining spacing throughout rated duration. The symmetrical distribution of light gives 8m spacing

Properties

- > SELV enclosure incorporating insulated terminals
- > Battery compartment incorporates 2 x 4Ah high temperature Nickel Metal Hydride (NiMH) cells
- > Also available with self test and DALI
- > Driver complies with: EN61347-1, EN61347-2-7, EN55015, EN61000-3-2, EN61547
- > Luminaire conforms to EN60598-2-22
- > Suitable for installations to EN50172
- > Constant current battery charger
- > Manual test with built in 'push to test' via lamp bezel
- > Deep discharge protection (DDP) to protect cells from over discharge
- > Pre-wired for simple installation
- > Access to push-terminals if ordering driver separately
- > Built-in charge indicator LED on lamp head
- > Option of Mini lamp head for integral mounting

Common Technical Data	
Input Supply Voltage	230V +/- 10%
Supply Frequency	50/60 Hz
Maximum Spacing (1 lux)	8m
Battery Type	2.4V 4Ah 18700 NiMH
Changeover Threshold (Vrms)	Falling >144V Rising <204V
Maximum Ambient Temperature	35°C
Battery Charge Time	24 Hours
Earth Leakage Current	<0.5mA
IP Rating	IP20
Recommended Cut-out Size	42mm
Weight	90g
Standard Pack Quantities	10



Lamp Supplied with 180mm pre-wired interconnecting cable.

Also available as an articulated luminaire or conversion kit with Mini lamp head measuring 27mm diameter for integral mounting. Aluminium construction with white front bezel.



Product description

is a UK designed and built microwave presence detector capable of intelligent ON/OFF switching control of either LED, fluorescent or incandescent lamps making it suitable for use in most indoor lighting applications.

Their radar Doppler technology operates within the protected 10.5-10.6GHz band achieving a detection range of 4 to 6m in typical office environments, whilst also providing improved immunity to false detection through walls and floors compared to lower frequency units.

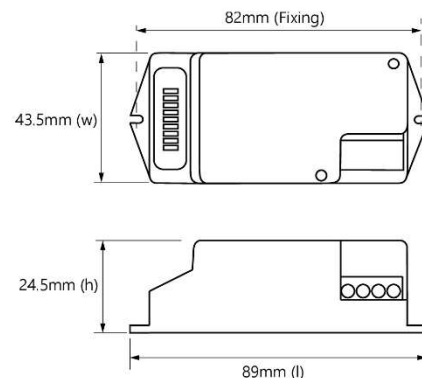
The compact, low-profile enclosure is ideal for fixing within a luminaire, so provides simple, reliable cost-effective means of instantly reducing lighting energy bills.

Properties

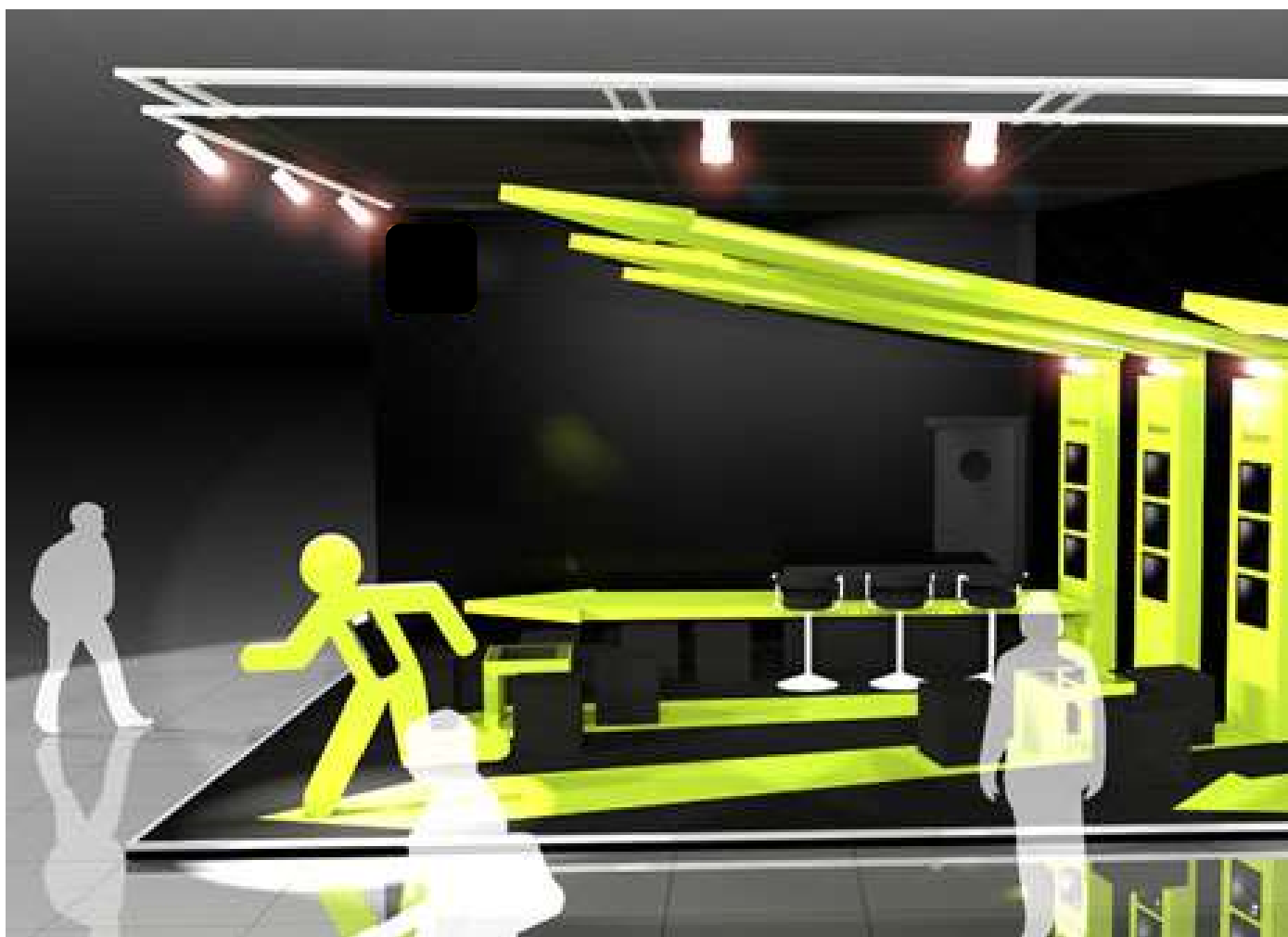
- Easy retrofit option for existing luminaires
- Detects movement and presence through glass and plastic diffusers
- Built-in Daylight sensor configurable to prohibit switching when there is sufficient daylight
- User-configurable settings for Sensitivity, On-time and daylight threshold
- Ultra-low power, around 1/10th of that emitted by mobile phones
- Intelligent 'Zero-crossing mains detection' improves load switching capability for long life 50,000hrs+ operation
- For mounting heights of 2m to 6m in internal applications*
- Compatible for multi-sensor operation of a single luminaire
- Push-wire terminals for solid conductors up to 1.5mm²
- Common neutral provided for easy input/output wiring
- Complies with ETSI EN300 440, EN60669-1 & EN60669 Part 2_1
- For dimming applications, please refer to our OS ECO PRO range

* Microwave sensors may not be suitable for certain outdoor applications

Common Technical Data	
Input Supply Voltage	230V +/- 10%
Supply Frequency	50/60 Hz
Standby/ Operating Power	1.2W/ 1.7W
Maximum Load	400W Reactive, 800W Resistive
Detection Area (Typical)	4 - 6m Radius at 2.5m Ceiling Height)
Operating Temperature	0° to 50°C
Operating Frequency	10.587GHz
Sensitivity Settings	100, 75, 50, 25, 10%
On-time Settings	5s, 90s, 5min, 10min, 20min & 30min
Daylight Threshold settings	Disable, 50, 100, 150 & 200 Lux
IP Rating	IP20
Weight	50g



[Download 3D model](#)



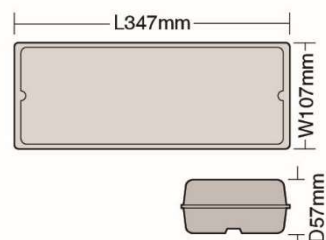


An efficient LED maintained / non-maintained bulkhead with hinged gear tray. This is available in 4W LED, has a lumen output of 200lm & includes a self-adhesive Exit Legend.



Specification

Voltage: 220-240V
Wattage: 4W LED
LED: 8pcs of 5730 LED
Lumen Output: 200lm (80lm in emergency)
Colour Temp.: 4000K
Emg. Duration: 3 Hours
Charging Time: 24 Hours
Life Expectancy: 5 Year



IP Rating: IP65
Power Factor: 0.4
Material: Polycarbonate base and diffuser
Working Temp: 0°C - 40°C.
Extra Info: Battery type: Ni-Cd SC3.6V 800mAH. Weight: 495g
 Gland entries: 20mm. Class 1 - must be earthed.
 Surface mounted. Includes self-adhesive Exit Legend
 Supplied with wire link installed, for non-maintained operation please remove link. 2.8V Deep discharge protection. 4.32V Overcharge protection.

MODEL	WATTAGE	EMERGENCY	LUMEN OUTPUT	DIMENSIONS (L x W x D mm)
LFACLED-1	4W LED	YES 3 HRS	200lm	347 x 107 x 57mm
EL	EXIT LEGEND			