PRODUCT GUIDE

one
LUX

MAKING SMART SOLUTIONS SIMPLE

CONTENTS

Providing peace of mind and aiding safe evacuation.

ONE-LED™

OMNI-LED™
LED EMERGENCY CONVERSION MODULE

Product description

Omni-LED™ is a range of Maintained emergency lighting conversion modules housed in a compact low-profile enclosure and suitable for use in either internal or remote self-contained applications. Their constant power driver technology with a SELV isolated output range of 3V – 200VDC will run almost any LED lamp or array (including some GU10 and Linear tubes), so making it easy to produce an emergency version of your existing LED luminaire without the need for separate 'emergency' LEDs or connectors.

They are available in 2, 3 and 4 cell versions and compatible with both NiCd or NiMH batteries for 1 or 3 hour autonomy.
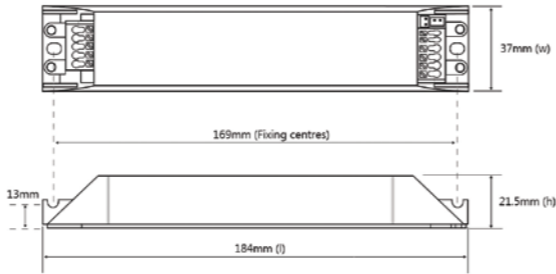
Features

> Emergency output power (Typical) : 1.5W (2-cell), 3W (3-cell), 4W (55V 4-cell), 3.5W (90V 4-cell) and 3W (200V 4-cell)

> Universal module with user-selectable 1 or 3 hour autonomy

> 3-pole switching provides full isolation of lamp connections and mains driver's power supply during emergency operation (Compatible with most driver types up to 2.5A)

> Constant-current charger with reverse polarity and short-circuit protection

> Input for optional manual low-voltage emergency test switch

> Additional side fixing points allows mounting in restricted spaces

> Operates High-brightness green charge LEDs (250mm supplied as standard. Other Lengths available upon request)

> Designed and manufactured in Great Britain

> Complies with: EN61347-1, EN61347-2-7, EN61347-2-13, EN55015, EN61000-3-2, EN61547

> Suitable for luminaires conforming to EN60598-2-22

> Suitable for installations to EN50172

Model Number	Standard Pack Quantities	Weight
OL12/2/M3	50	5.0kg
OL55/2/M3	50	5.0kg
OL55/3/M3	50	5.0kg
OL55/4/M3	50	5.0kg
OL90/4/M3	50	5.0kg
OL200/4/M3	50	5.0kg

Technical Data	
Input Supply Voltage	230 +/- 10%
Supply Frequency	50/60 Hz
LED Voltage Range	3-200V DC
Maximum TC Point	2 & 3 Cell - 80°C 4 Cell - 75°C
Ambient Temperature Range	0 – 50°C
IP Rating	IP20
Earth Leakage Current	<0.5mA
Weight	90g
Battery Charge Time	24 Hours

ONE-LED™

OMNI-LED DST™
LED DALI EMERGENCY
CONVERSION MODULE
WITH SELF–TEST

Product description

Omni-LED DST™ is a range of DALI Self-Test emergency lighting conversion modules housed in a compact low-profile enclosure, and suitable for use with maintained, self-contained LED luminaires.

Their constant-power driver technology has a SELV isolated output and available in a range from 3V to 200VDC. They will run almost any LED lamp or array (including some GU10 and Linear tubes), making it easy to produce a self-testing and addressable emergency version of your existing LED luminaire without the need for separate 'emergency' LEDs or connectors.

They are available in 2, 3 and 4 cell versions for use with NiCd or NiMH batteries.
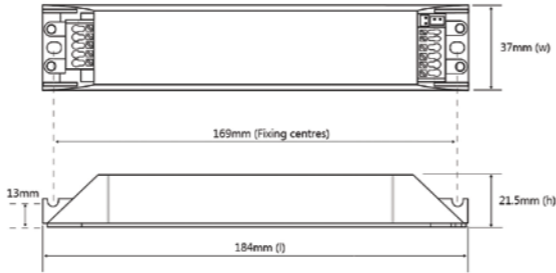
Features

> Fully compliant DALI, self-contained emergency lighting device (type 1)

> Intelligent, automatic self-test scheduling for non-DALI applications

> Integral status/ identification sounder with user-override

> Input for optional low-voltage emergency test initiation switch

> Bi-colour red/ green status indicator LED with 500mm leads supplied as standard

> User-selectable 1 or 3 hour autonomy

> Emergency output power (Typical) : 1.5W (2-cell), 3W (3-cell), 4W (55V 4-cell), 3.5W (90V 4-cell) and 3W (200V 4-cell)

> 3-pole switching provides full isolation of lamp connections and mains driver's power supply during emergency operation (Compatible with most driver types up to 2.5A)

> Constant-current charger with reverse polarity and short-circuit protection

> Designed and manufactured in Great Britain

> Complies with: EN60598-2-22, EN61347-1, EN61347-2-7, EN61347-2-13, EN62034, EN62386, EN55015, EN61000-3-2, EN61547

Model Number	LED Voltage Range	No. Battery Cells
OL12/2/M3/DST	3 – 12V	2
OL55/3/M3/DST	9 – 55V	3
OL55/4/M3/DST	9 – 55V	4
OL90/4/M3/DST	55 – 90V	4
OL200/4/M3/DST	90 – 200V	4

Technical Data	
Input Supply Voltage	230 +/- 10%
Supply Frequency	50/60 Hz
LED Voltage Range	3-200V DC
Maximum TC Point	70°C – 2 & 3 Cell 60°C – 4 Cell
Ambient Temperature Range	0 – 50°C (0 – 40°C for 4 Cell)
IP Rating	IP20
Earth Leakage Current	<0.5mA
Weight	90g
Battery Charge Time	24 Hours

37mm (w)

169mm (Fixing centres)

13mm

21.5mm (h)

184mm (l)

ONE-LED™

UNITY-LED™
LED MAINS/EMERGENCY DRIVER

Product description

Unity-LED™ is a range of Maintained emergency lighting modules combining both mains and emergency drivers in a compact low profile enclosure and suitable for use in either internal or remote self-contained applications.

Their SELV isolated high-efficiency LED driver technology will run any LED lamp or array rated from 20V – 55V in both mains and emergency mode, making it easy to produce an emergency version of your existing LED luminaire without the need for separate drivers, 'emergency' LEDs or connectors.

They are available in 2, 3 and 4 cell versions and compatible with both NiMH or NiCd batteries for either 1 or 3-hour autonomy.
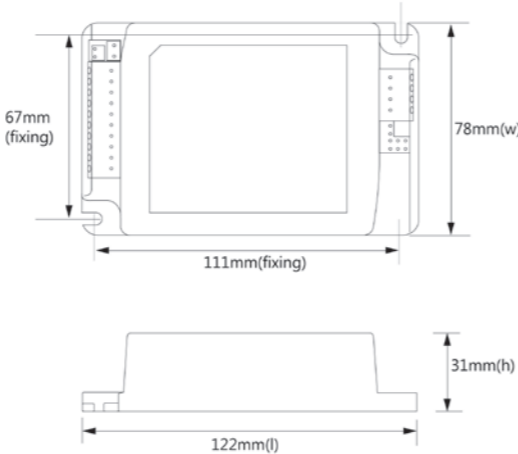
Features

> High efficiency mains-mode driver with output power up to 31.5W + (Higher power versions available)

> User selectable, Mains-mode LED output current with additional 10, 20 and 25% reductions

> Optional 1-10V dimming and occupancy detector input on Unity-LED PHASE version – will dim to 10% upon absence

> Incorporates active power factor correction (PFC)

> Protected against short circuit and open circuit lamp conditions

> Emergency output power (Typical) : 1.4W (2-cell), 2.6W (3-cell) and 3.7W (4-cell)

> Constant-current charger for use with NiCd or NiMH batteries

> Input for optional manual low-voltage emergency test switch

> Industry standard fixing points

> Operates high-brightness green indicator LEDs (250mm supplied as standard. Other lengths available upon request)

> Designed and manufactured in Great Britain

> Complies with: EN61347-1, EN61347-2-7, EN61347-2-13, EN55015, EN61000-3-2, EN61547, EN60598-2-22

Model Number	Mains LED Output Current	Emergency Output Power	No. Battery cells
OLU350/500/2/ M1 & M3	350 or 500mA	1.4W	2
OLU350/500/3/ M1 & M3	350 or 500mA	2.6W	3
OLU700/1050/2/ M1 & M3	700 or 1050mA	1.4W	2
OLU700/1050/3/ M1 & M3	700 or 1050mA	2.6W	3
OLU700/1050/4/ M1 & M3	700 or 1050mA	3.7W	4

Technical Data	
Input Supply Voltage	230 +/- 10%
Supply Frequency	50/60 Hz
LED Voltage Range	20-55 VDC operating at 350/500mA 20-45 VDC operating at 700mA 20-30 VDC operating at 1050mA
Maximum Output Power	31.5W (Higher power versions available)
Maximum TC Point	80°C
Ambient Temperature Range	0 – 50°C
IP Rating	IP20
Earth Leakage Current	<0.5mA
Weight	130g
Standard Pack Quantities	50

67mm (fixing)

78mm(w)

111mm(fixing)

31mm(h)

122mm(l)

ONE-LED™

SOLO™
NON-MAINTAINED LED LAMP & DRIVER KIT

Made in Britain

DALI

Product description

One-LED SOLO™ is a non-maintained, self-contained LED emergency luminaire comprising of our Omni-LED 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, making it ideal for use in 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 the rated duration. The symmetrical distribution of light gives 8m spacing from a typical 2.5m height, whilst retaining sufficient light output on call points in corridors.

184mm (l)   173mm (l)

37mm (w)

21.5mm (h)   90°
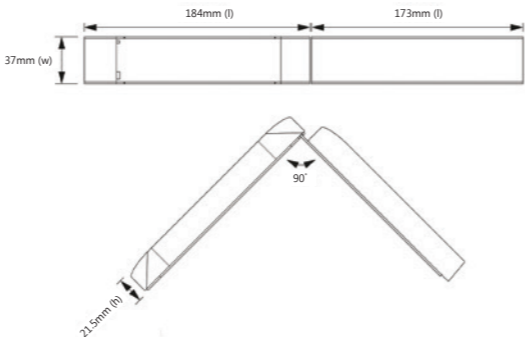
Also available as an articulated luminaire or conversion kit with Mini lamp head measuring 27mm diameter for integral mounting. Aluminium construction with white front bezel.

Features

> SELV enclosure incorporating insulated terminals

> Battery compartment incorporates 2 x 4Ah high temperature Nickel Metal Hydride (NiMH) cells

> 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

> 3-hour autonomy

> Manual test with built in 'push to test' via surface of luminaire

> 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 green charge indicator LED on lamp head

> Option of Mini lamp head for integral mounting

> Also available with DALI Self-Test functionality

Model Number	Description
OLS/NM3	Articulated Driver, Battery & Recessed Ceiling Lamp Head
OLM/NM3	Articulated Driver, Battery & Mini Integral Lamp Head
OLS/NM3/DST	Articulated DALI Self-Test Driver, Battery & Recessed Ceiling Lamp Head

Technical Data	
Input Supply Voltage	230 +/- 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	0.4kg
Standard Pack Quantities	10

* 'Push-To-Test' switch available on recessed ceiling lamp head only
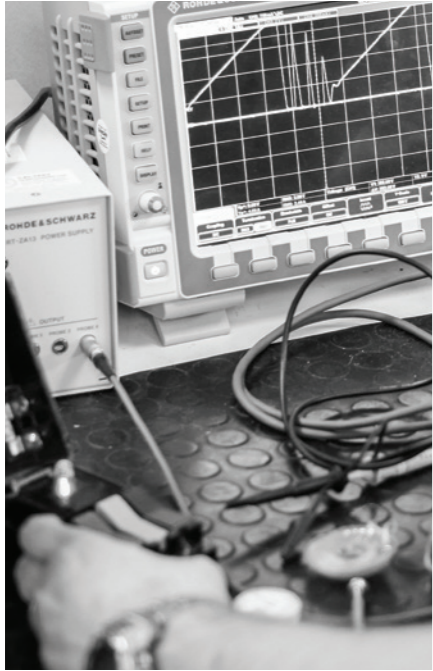
Smart lighting solutions made simple.

SOLUTIONS

ONE-LED SOLUTIONS™

OMNI-LED FLEXI™
ARTICULATED REMOTE
BOX / UNIVERSAL LED ARRAY
EMERGENCY SOLUTIONS

Product description

Omni-LED FLEXI™ is an effective solution for emergency conversion of luminaires using LED arrays. The compact, robust housing is supplied containing our Omni-LED™ emergency driver, re-chargeable battery and connection terminals. Removable end covers provide easy access for wiring and its articulated design allows installation through a ceiling cut-out of just 55mm diameter. This product offers an emergency solution for a wide range of applications and can be used with a separate mains driver for Maintained applications. It is also available pre-wired with cable assemblies for simple 'plug-and-play' convenience.

Omni-LED™ 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.
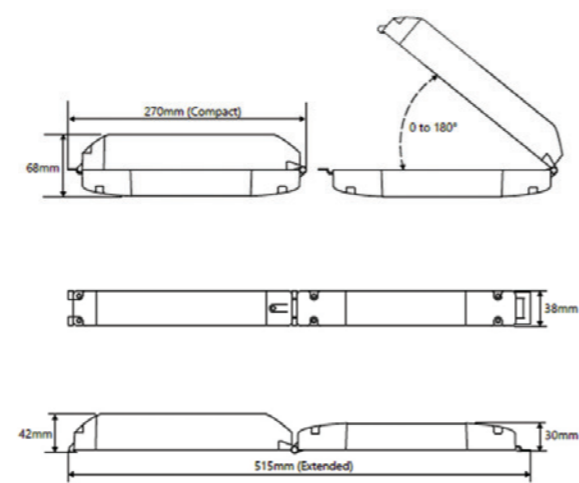
Features

> Ideal for use with LED panels or downlights

> 3 pole isolation of lamp and mains driver power during emergency

> 3 hour operation using 2 or 3 x 4Ah Nickel Cadmium (NiCd) or 4 x 4Ah Nickel Metal Hydride (NiMH) high temperature cells

> Emergency output power (Typical): 2W - 4W (2 - 4 cell)

> Green charge indicator LED with 750mm leads and bezel (OB1) supplied as standard

> Also available with DALI Self-Test functionality if required

> Moulded in black UL94_V0 rated Polycarbonate

> Driver complies with: EN61347-1, EN61347-2-7, EN55015, EN61000-3-2, EN61547

> Conforms to EN60598-1 and EN60598-2-22

> Mating panel plug and socket connections available on request

Model Number	Battery Pack	Emergency Driver
RBF55/2/M3	2 Cell NiCd	OL55/2/M3
RBF55/3/M3	3 Cell NiCd	OL55/3/M3
RBF55/4/M3	4 Cell NiMH	OL55/4/M3
RBF90/4/M3	4 Cell NiMH	OL90/4/M3
RBF200/4/M3	4 Cell NiMH	OL200/4/M3

For DALI Self-Test version add '/DST' to the model numbers above.

| Technical Data	
Input Supply Voltage	230 +/- 10%
Supply Frequency	50/60 Hz
LED Voltage Range	9-200V DC
Battery Type	2.4V, 3.6V NiCd or 4.8V NiMH
Ambient Temperature Range	5 – 35°C
IP Rating	IP20
Earth Leakage Current	<0.5mA
Weight	0.7kg (2-Cell) 0.8kg (3 & 4-Cell)
Dimensions (mm)	Driver section 270(l) x 38(w) x30(h) Battery section 255(l) x 38(w) x42(h)

ONE-LED SOLUTIONS™

OMNI-LED FLEXI 230V™
ARTICULATED REMOTE BOX / UNIVERSAL LED ARRAY EMERGENCY SOLUTION FOR 230V LED LAMPS

MADE IN BRITAIN

NEW

Product description

Omni-LED FLEXI-230 is an effective solution for emergency conversion of luminaires using 230V LED lamps and arrays. The compact, articulated design contains our Omni-LED emergency driver with a re-chargeable battery and allows installation through a ceiling cut-out of just 55mm.

Omni-LED constant-power driver technology automatically adjusts to operate many available 230V LED lamps at an optimum power throughout the whole emergency duration. It has a built-in lamp change-over relay, which allows the product to be used for Maintained applications so making it easy to produce an emergency conversion of your existing LED luminaire without the need for separate 'emergency' LEDs.
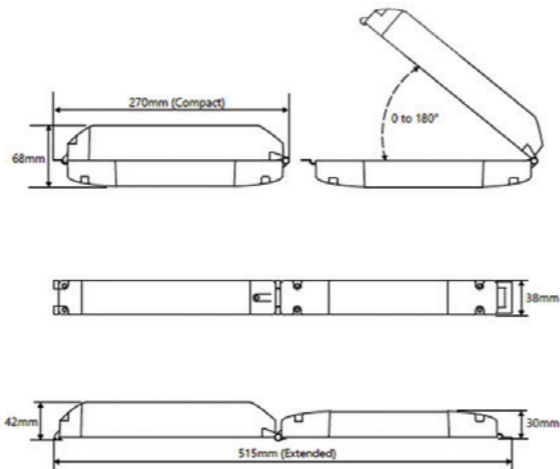
Features

> Ideal for use with 230V LED GU10's, linear tubes, down lights etc.

> 3 hour operation using 4 x Nickel Metal Hydride (NiMH) 4Ah cells or 9 x Nickel Metal Hydride (NiMH) 2.2Ah cells.

> Emergency output power (Typical); 4W (4-cell) or 5W (9-cell)

> Green charge indicator LED with 750mm leads and bezel (OB1) supplied as standard

> Moulded in black UL94_V0 rated Polycarbonate

> Driver complies with: EN61347-1, EN61347-2-7, EN55015, EN6100-3-2, EN61547

> Conforms to EN60598-1 and EN60598-2-22

> Custom plug and socket connections available on request

Model Number	Battery Pack	Weight
RBF230/4/M3	4 Cell 4Ah NiMH	0.8kg
RBF230/9/M3	9 Cell 2.2Ah NiMH	0.9kg

Technical Data	
Input Supply Voltage	230 +/- 10%
Supply Frequency	50/60 Hz
LED Voltage Range	70 to 250V DC
Ambient Temperature Range	5 - 35°C
IP Rating	IP20
Earth Leakage Current	<0.5mA
Weight	0.8kg (4-Cell) 0.9kg (9-Cell)
Dimensions (mm)	Driver section 270(l) x 38(w) x 30(h) Battery section 255(l) x 38(w) x 42(h)

270mm (Compact)

0 to 180°

68mm

38mm

42mm

30mm

515mm (Extended)

ONE-LED SOLUTIONS™

OMNI-LED REMOTE™

REMOTE BOX / UNIVERSAL
LED ARRAY EMERGENCY
SOLUTION

Product description

Omni-LED REMOTE™ is an effective light engine solution for emergency conversion of luminaires using LED arrays. The compact, robust housing is supplied containing our Omni-LED™ emergency driver, rechargeable 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.

Omni-LED™ constant-power driver technology will run any LED lamp or array rated 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.
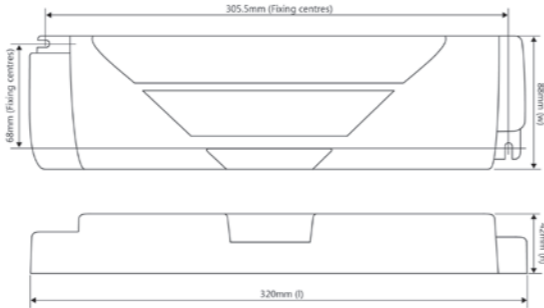
Features

> Ideal for use with LED panels or downlights

> External battery connector for simple isolation

> 3 pole isolation of lamp and mains driver power during emergency

> 3 hour operation using 2 or 3 x 4Ah Nickel Cadmium (NiCd) or 4 x 4Ah Nickel Metal Hydride (NiMH) high temperature cells

> Emergency output power (Typical) : 2W (2-cell), 3W (3-cell) and 4W (4-cell)

> Green charge indicator LED with 750mm leads and bezel (OB1) supplied as standard

> Also available with DALI Self-Test functionality

> Moulded in black UL94_V0 rated Polycarbonate

> Driver complies with: EN61347-1, EN61347-2-7, EN55015, EN61000-3-2, EN61547

> Conforms to EN60598-1 and EN60598-2-22

> Mating panel plug and socket connections available on request

> Registered design: Certificate number 4041258

Model Number	Battery Pack	Emergency Driver
RBP55/2/M3	2 Cell NiCd	OL55/2/M3
RBP55/3/M3	3 Cell NiCd	OL55/3/M3
RBP55/4/M3	4 Cell NiMH	OL55/4/M3
RBP90/4/M3	4 Cell NiMH	OL90/4/M3
RBP200/4/M3	4 Cell NiMH	OL200/4/M3

For DALI Self-Test versions add '/DST' to the model numbers above.

| Technical Data	
Input Supply Voltage	230 +/- 10%
Supply Frequency	50/60 Hz
LED Voltage Range	9-200V DC
Battery Type	2.4V/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 (2 & 3-Cell)
Dimensions	320(l) x 88(w) x 42(h)
Minimum Ceiling Cut-Out	100mm Diameter

ONE-LED SOLUTIONS™

UNITY-LED REMOTE™
REMOTE BOX / UNIVERSAL LED ARRAY EMERGENCY SOLUTION

Product description

Unity-LED REMOTE™ is an effective solution for emergency conversion of luminaires using LED arrays. The compact, robust housing is supplied containing our Unity-LED™ combined mains/ emergency driver, re-chargeable NiCd battery, connection terminals and optional microwave presence detector. 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 150mm diameter. This product is also available with pre-wired cable assemblies for simple 'plug-and-play' convenience.

Unity-LED™ constant-power, SELV isolated drivers will run any LED lamp or array within their voltage range, in both mains and emergency mode, so making it easy to produce an emergency version of your existing LED luminaire without the need for separate 'emergency' LEDs or connectors. They are available with user-selectable lamp drive currents of either 350/500mA or 700/1050mA.
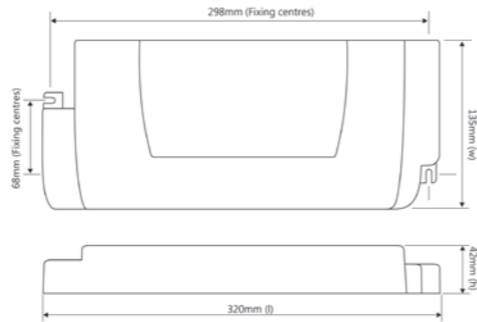
Features

> Simple, self-contained, Maintained emergency solution ideal for use with LED panels or downlights up to 50W

> User selectable, Mains-mode LED output current with additional 10, 20 and 25% reductions

> Option of integral One-LUX, OS/10.5 microwave detector for energy saving on/off control of the lamp - OS versions

> External battery connector for simple isolation

> 3 hour emergency operation using 3 x 4Ah NiCd cells

> Emergency output power (Typical) : 2.6W

> Green charge indicator LED with 750mm leads and bezel (OB1) supplied as standard

> Moulded in black UL94_V0 rated Polycarbonate

> Driver complies with: EN61347-1, EN61347-2-7, EN61347-2-13, EN55015, EN61000-3-2, EN61547

> Conforms to EN60598-1 and EN60598-2-22

> Mating panel plug and socket connections available on request

> Alternative battery options and additional features, such as full 1-10V dimming and dim to 10% upon absence with integral One-LUX, OS/10.5 microwave detector are available

Model Number	Battery Pack	Emergency Driver
Mains & Emergency Operation		
RBU350/500/3/M3	3 Cell NiCd	OLU350/500/3/M3
RBU700/1050/3/M3	3 Cell NiCd	OLU700/1050/3/M3
Mains & Emergency Operation with Microwave Presence Detector		
RBU350/500/3/M3/OS	3 Cell NiCd	OLU350/500/3/M3
RBU700/1050/3/M3/OS	3 Cell NiCd	OLU700/1050/3/M3

'Mains Only' versions also available on request.

Technical Data	
Input Supply Voltage	230 +/- 10%
Supply Frequency	50/60 Hz
LED Voltage Range	20-55V DC (max. 48V for OLU700)
Battery Type	3.6V NiCd
Ambient Temperature Range	5 - 35°C
IP Rating	IP20
Earth Leakage Current	<0.5mA
Weight	0.8kg
Dimensions	320(l) x 135(w) x 42(h)
Minimum Ceiling Cut-Out	150mm Diameter

ONE-LED SOLUTIONS™

GT-LED™
LED GEARTRAY SOLUTIONS
WITH EMERGENCY

Product description

GT-LED™ is a simple but effective range of gear tray solutions that can be used to convert new or existing luminaires for LED operation. The compact, robust design is available with many options for both mains only or mains/ emergency operation of its integral white LED array.

All versions are supplied with push-wire mains terminals and are available with options of microwave presence detector, 3000k or 4000k LEDs and an output power of 8 or 12W. Emergency versions contain our Unity-LED™ combined mains/ emergency driver which allows user selectable lamp power adjustment and re-chargeable NiCd battery.

Features

> Simple, self-contained, mains only or mains / emergency LED solution

> Uses 200 LEDs for even light distribution

> LED life exceeds 50,000 hours

> 3000K or 4000K LED colour temperature options available

> 8W or 12W mains-mode LED power options

> Available with One-LUX OS/10.5 microwave sensor

> Selectable 1-10V lamp dimming or dim to 10% upon absence for sensor versions

> Battery plug and socket connectors for simple isolation

> 1 or 3 hour emergency operation using 2 cell NiCd

> Emergency output: 275lm

> Green charge indicator LED included for emergency versions

> Push-wire mains terminals for simple installation

> Galvanised steel gear tray

> Three fixing points with 4mm diameter hole

> Driver complies with: EN61347-1, EN61347-2-7, EN61347-2-13, EN55015, EN61000-3-2, EN61547

Model Number	Description
GT-3000K/8W/*	3000k 8W Mains Only
GT-3000K/12W/*	3000k 12W Mains Only
GT-3000K/8-12W/M3/*	3000k 8W/12W Mains/ Emergency
GT-4000K/8W/*	4000k 8W Mains Only
GT-4000K/12W/*	4000k 12W Mains Only
GT-4000K/8-12W/M3/*	4000k 8W/12W Mains/ Emergency

* Add 'OS' for sensor version

Technical Data	
Input Supply Voltage	230 +/- 10%
Supply Frequency	50/60 Hz
LED Lamp Power	8W or 12W
LED Lamp Colour (CCT)	3000K or 4000k
Lumen Output (Mains Mode)	1050lm (8W) 1500lm (12W)
Battery Type	2.4V NiCd
Ambient Temperature Range	5 - 50°C
Earth Leakage Current	<0.5mA
Weight (Max)	0.95kg
Dimensions (mm)	250(d) x 40(h) 250(d) x 70(h) 'OS' Versions

BATTERIES

Delivering maximum service life at elevated temperatures.

ONE-BATT™

NICKEL CADMIUM
### HIGH TEMPERATURE BATTERIES FOR EMERGENCY LIGHTING

Product description

A range of high temperature Nickel Cadmium (NiCd) batteries suitable for emergency lighting applications. They are available as either 1.6Ah 'Sub-C' single sticks or 4.0Ah 'D' cells in both stick and side-by-side configuration with mounting plate. Rated at a continuous operating temperature of 55°C, they have a 1-year warranty covering manufacturing defects and 4-year design life to Annex A of EN60598-2-22.

Technical Data	
Absolute Maximum Temperature	70°C
Maximum Continuous Temperature	55°C
Minimum Ambient Temperature	5°C
Charge Requirements	C/20 for 24 hrs Constant Current (CC)
Storage	0-25°C for 12 months

Disposal at registered treatment facility only.
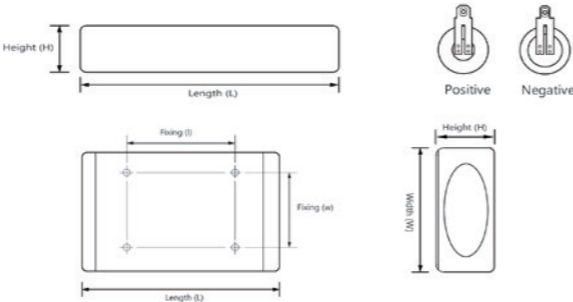
Features

> High temperature Nickel Cadmium batteries

> Continuously rated to 55°C

> 'D' size 4Ah and 'SC' size 1.6Ah batteries as standard

> Industry standard configurations

> Connections via polarised tags

> Suitable for installations to EN50172

> Supplied with flying leads as standard (Alternative options available)

> Complies with EN61951-1 and suitable for luminaires conforming to EN60598-2-22

> A range of mounting accessories available

> Other capacities and non standard, custom configuration design service available upon request

Model Number	No. Cells	Capacity	Format	Cell Size	Standard Pack Quantities
NCD216SS	2	1.6Ah	Stick	Sub-C	140
NCD316SS	3	1.6Ah	Stick	Sub-C	60
NCD416SS	4	1.6Ah	Stick	Sub-C	60
NCD14SS	1	4.0Ah	Stick	D	100
NCD24SS	2	4.0Ah	Stick	D	40
NCD34SS	3	4.0Ah	Stick	D	30
NCD44SS	4	4.0Ah	Stick	D	20
NCD54SS	5	4.0Ah	Stick	D	15
NCD64SS	6	4.0Ah	Stick	D	15
NCD24BS	2	4.0Ah	Side-by-side with mounting plate	D	40
NCD34BS	3	4.0Ah	Side-by-side with mounting plate	D	30
NCD44BS	4	4.0Ah	Side-by-side with mounting plate	D	22
NCD54BS	5	4.0Ah	Side-by-side with mounting plate	D	18
NCD64PS	6	4.0Ah	Side-by-side (No plate)	D	18

Battery configurations Batteries can also be ordered in various combinations of the standard formats to suit your requirements.

ONE-BATT™

NICKEL METAL HYDRIDE
HIGH TEMPERATURE
BATTERIES FOR
EMERGENCY LIGHTING

Product description

A range of high temperature Nickel Metal Hydride (NiMH) batteries suitable for emergency lighting applications. They are available as 2.0Ah and 4.0Ah capacity in various case sizes. Rated at a continuous operating temperature of 40°C, they have a 1-year warranty covering manufacturing defects and 4-year design life to Annex A of EN60598-2-22.
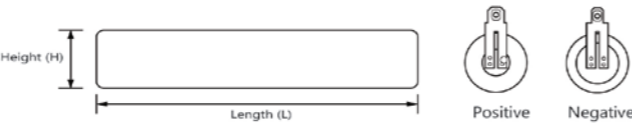
Features

> High temperature Nickel Metal Hydride batteries

> Continuously rated to 40°C

> 18720 size 4Ah and 'SC' size 2.0Ah batteries as standard

> Supplied in stick format

> Connections via polarised tags

> Complies with EN61951-2 and suitable for luminaires conforming to EN60598-2-22

> Suitable for installations to EN50172

> Mounting end caps and accessories available

> Other capacities and non standard, custom configuration design service available upon request

Technical Data	
Absolute Maximum Temperature	70°C
Maximum Continuous Temperature	40°C
Minimum Ambient Temperature	5°C
Charge Requirements	C/20 for 24 hrs Constant Current (CC)
Storage	0-25°C for 12 months

Disposal at registered treatment facility only.

Model Number	No. Cells	Capacity	Format	Cell Size	Standard Pack Quantities
NMH22SS	2	2.0Ah	Stick	Sub-C	100
NMH32SS	3	2.0Ah	Stick	Sub-C	60
NMH42SS	4	2.0Ah	Stick	Sub-C	60
NMH52SS	5	2.0Ah	Stick	Sub-C	50
NMH24SS	2	4.0Ah	Stick	18720	96
NMH34SS	3	4.0Ah	Stick	18720	54
NMH44SS	4	4.0Ah	Stick	18720	24

Battery configurations Batteries can also be ordered in various combinations of the standard formats to suit your requirements.

ONE-BATT™

ACCESSORIES
END CAPS & BATTERY
LEADS FOR NiCd AND NiMH

Product Code	Battery Compatibility	Maximum Length when Fitted
E	NiCd	Battery Length + 37mm
E/SubC	NiCd & NiMH	Battery Length + 40mm
E/18700	NiMH	Battery Length + 23mm

*Enquire with One-LUX on battery dimensions

End Caps

> End caps suitable for use with 'stick' D size batteries

> End caps suitable for use with 'stick' Sub-C batteries

> End caps suitable for use with 'stick' 18720 batteries

Features

> Provides a convenient and secure mounting option for cylindrical batteries

> Moulded in UL94-V0 rated plastic

> 'E' version offers slide together feature to produce secure side-by side configuration

Battery Leads

> NiCd batteries are supplied with single core flying leads with stripped ends as standard (1000mm version for NiCd sticks and 250mm version for NiCd packs)

> Links wires are available for both NiCd and NiMH, to be ordered separately

> Various other lead options are available to order separately – enquire with your requirements

On when you need them.
Off when you don't.
Simple.

SENSORS

ONE-SENSE™

ONE-SENSE 5.8™
ON/OFF FUNCTION MICROWAVE PRESENCE DETECTOR

**MADE IN BRITAIN**

NEW

Product description

OS/5.8 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 at 5.8 GHz and achieves a detection range of 6m in typical office environments.

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.
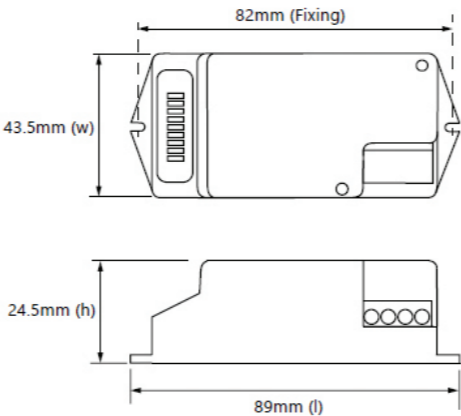
Features

> 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 and EN60669 Part 2_1

* Microwave sensors may not be suitable for certain outdoor applications

Model Number	Standard Pack Quantities	Weight
OS/5.8	100	5.5 kg

Technical Data	
Input Supply Voltage	230 +/- 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°- 50°C
Operating Frequency	5.8GHz
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

82mm (Fixing)
43.5mm (w)
24.5mm (h)
89mm (l)

ONE-SENSE™

ONE-SENSE 10.5™
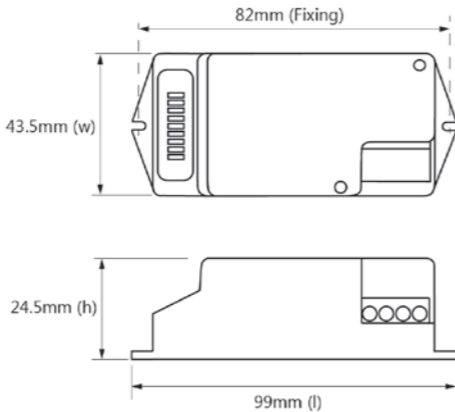## ON/OFF FUNCTION MICROWAVE PRESENCE DETECTOR

MADE IN BRITAIN

Product description

OS/10.5™ is our 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.

Benefiting from radar Doppler technology operating within the protected 10.5-10.6GHz band and delivering 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 installation in a wide variety of luminaires providing simple, reliable and cost-effective means of instantly reducing lighting energy bills.

Lamp Type: 400W 800W
One-SENSE MADE IN BRITAIN
Max. Load:400W
Input/Output: 230V ±10% 50Hz
www.One-LUX.com

82mm (Fixing)
43.5mm (w)
24.5mm (h)
99mm (l)

Features

> 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 1.5mm

> Common neutral provided for easy input/output wiring

> Complies with ETSI EN300 440, EN60669-1 and EN60669 Part 2-1

*Microwave sensors may not be suitable for certain outdoor applications.

Model Number	Standard Pack Quantities	Weight
OS/10.5	100	5.5 kg

| Technical Data	
Input Supply Voltage	230 +/- 10%
Supply Frequency	50/60 Hz
Maximum Load	400W Reactive 800W Resistive
Detection Area (Typical)	4 – 6m Radius at 2.5m Ceiling Height
Operation Temperature	0 – 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

ONE-SENSE™

ONE-SENSE EXO™
ON/OFF FUNCTION MICROWAVE PRESENCE DETECTOR
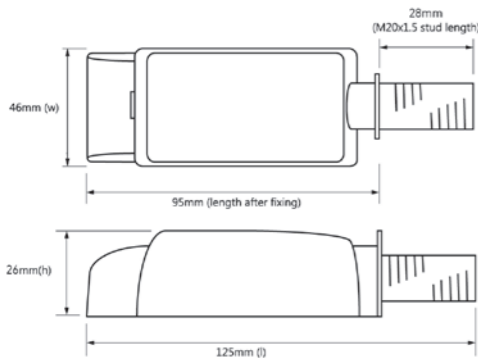
Product description

> External mount microwave sensor suitable for lighting applications

> Detection range up to 16m

> Unobtrusive enclosure for external fixing

> Built-in daylight sensor

> Can be used with LED, fluorescent and incandescent lamps

> The most simple and cost-effective means of instantly reducing your lighting energy bills

> Ideal solution for metallic luminaires or where internal space is restricted

Technical Data	
Input Supply Voltage	230 +/- 10%
Supply Frequency	50/60 Hz
Maximum Load	400W Reactive 800W Resistive
Detection Area	16 x 6 maximum (8m at 2.5m ceiling height)
Operation Temperature	-20°C to 60°C
Current Selector Accuracy	+/- 5%
IP Rating	IP20
Weight	50g
Standard Pack Quantity	100

28mm (M20x1.5 stud length)

46mm (w)

95mm (length after fixing)

26mm (h)

125mm (l)
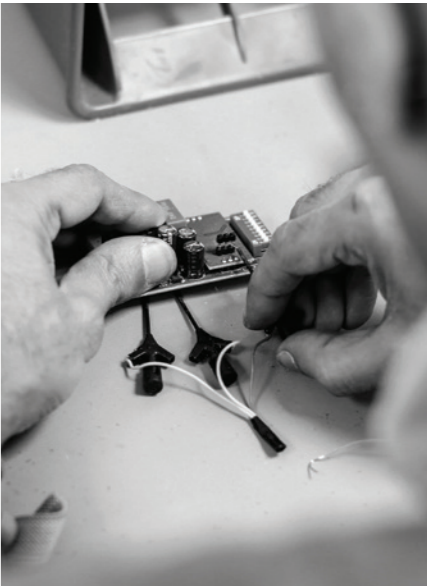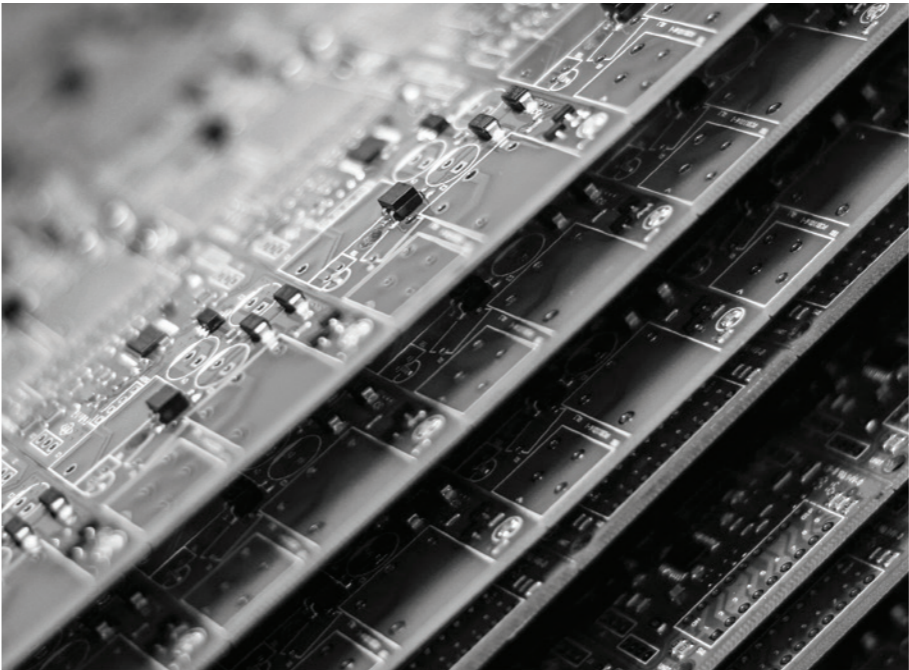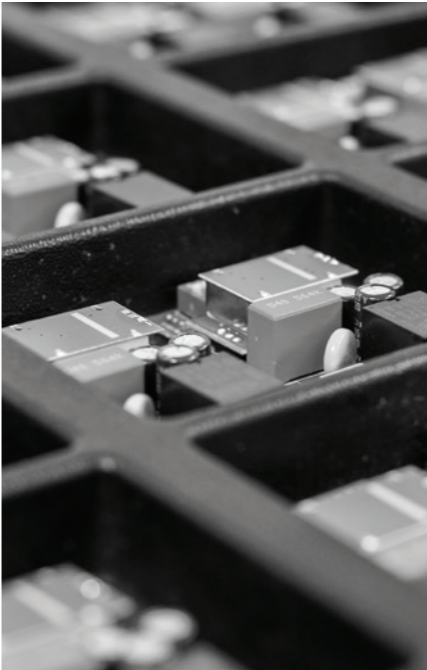
SYSTEMS

Configure.
Connect.
Communicate.

ONE-SYSTEM™

ONE-CONNECT™
DALI BASED EMERGENCY LIGHTING TESTING & REPORTING SYSTEM

MADE IN BRITAIN

NEW

Product description

One-CONNECT is a comprehensive DALI based scalable emergency lighting test system. One-CONNECT has been designed to provide a flexible, powerful and user friendly emergency lighting testing and reporting system. The system allows viewing, printing and emailing of emergency test reports, from a touchscreen panel, enabling easy identification of faults and more efficient maintenance to comply with emergency lighting regulations.

Utilising an intuitive graphical user interface and commissioning system, coupled with a powerful database engine, the One-CONNECT system provides an intelligent but simple way to set-up and present the real-time status of all components. Offering easy operation and navigation of the interface, you are able to breakdown the system to view each device individually or the system as a whole.
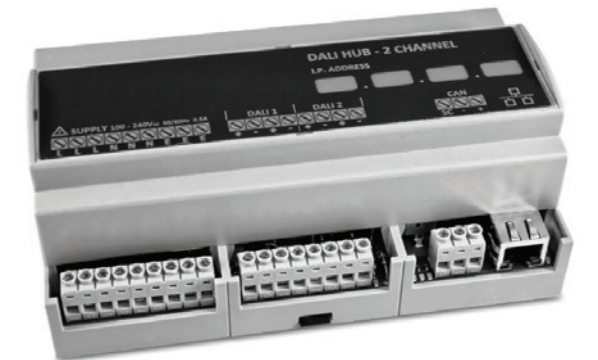
COMING SOON!

One-LUX is continually expanding its product range and always has something new coming soon.

Our expert in-house technical team is continually striving to ensure that our products meet and exceed the requirements of our customers. Please see a selection of forthcoming products.

ONE-LED SOLUTIONS™

UNITY-LED COMPACT™

Combining both mains and emergency operation this compact remote box solution will provide a simple and cost effective method of remotely converting luminaires for emergency mode. Unity-LED COMPACT will cater for the widest range of applications. IP65 weatherproof options will also be available.

ONE-BATT™

ONE-BATT SUB-ZERO™

Guaranteeing the performance of re-chargeable high temperature batteries at low temperature has proved both costly and technically challenging. The SUB-ZERO range is capable of operating at temperatures as low as -20°C and up to +55°C. This means that for the first time One-LUX cells will be suitable for both indoor and outdoor applications.

ONE-SENSE MICROWAVE SENSORS™

ONE-SENSE DALI™

The addition of DALI addressability and control will further enhance the performance of our range of UK designed and manufactured microwave sensors.

ONE-LED™

OMNI-LED CENTRAL™

The Omni-LED Central range of LED maintained lighting conversion modules is for use with 12-240V central battery applications. An additional DALI/Self-Test option will provide a complete solution for all central battery requirements.

ONE-LED SOLO SURFACE™

The addition of SURFACE versions to the range enables surface mount installation on the occasions when recessed ceiling mounting is not suitable.

ONE-LED SOLO CORRIDOR™

The SOLO CORRIDOR incorporates an innovative lens that provides spacing of 10 metres. Ideally suited to areas where enhanced performance is required.

UNITY-LED DST™

The new Unity-LED DST range will feature DALI addressable and Self-Test capability, a valuable addition to the Unity-LED mains/emergency range.

COMING SOON!

ABOUT US

One-LUX is a leading supplier of lighting solutions for the global lighting marketplace.

We have an uncompromising attitude for excellence and an open, relaxed approach to business.

Our skills and expertise allows us to engage in a range of diverse markets. As a result, One-LUX products can be found in emergency lighting, security systems and the renewables industry.

At One-LUX our aim is to produce the most reliable and cost effective solutions for our customers, but we understand that sometimes the best solutions are the simple ones.

We are constantly challenging ourselves to develop user-friendly technologies that drive our industry forward; adopting our down to earth customer-centric approach proves vital to improving our efficiency and designing leading products.

Certifications and Approvals

Quality and reliability are at the heart of everything that we do.

As members of ICEL, the Industry Committee for Emergency Lighting and the LIA, the Lighting Industry Association, One-LUX promotes the latest product and application standards.

Our products are manufactured in a strictly regulated, controlled environment conforming to the latest environmental and quality standards. In order to obtain our BSI ISO 9001 and 14001 certifications we have developed and implemented Quality Management and Environmental Management systems to help us continuously improve.

Our most recent product approvals include ENEC approval.

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