

# 8.3

## Portable lamps & converters

### Conversion kit LED



- For LED modules with a forward voltage of 3 – 180V.
- Selectable operating time (jumper).
- Output power limitation and SELV classified.
- Polarity reversal protection from battery connector.
- Automatic shutdown of output if LED load is out of range.
- Low profile casing (35x23x185 mm).
- Charging indicator included and optional test button

8

#### Light Source:

Emergency lighting LED Driver  
Low Voltage for 3-33Vdc  
LED lamps. Output open  
voltage 40Vdc (SELV).

Medium Voltage for 20-  
55Vdc LED lamps. Output  
open voltage 60Vdc (SELV).

High Voltage for 40-  
180Vdc LED lamps. Output  
open voltage 200Vdc.

#### Materials:

Body white polycarbonate  
Comes equipped with LED  
charging indicator to be  
fixed to the body appliance  
Batteries sealed nickel  
cadmium and LiFePo

#### Operation:

Non-Maintained operation  
Autonomy of 1h and 3h  
(jumper selectable) or  
constant voltage output mode  
(12Vdc, 24Vdc, 48Vdc)

#### Installation:

Suitable for fitting integral  
to host luminaire, where  
thermal and electro-magnetic  
test results permit  
Remote mounting of  
complete kit, or of  
batteries only.

Supplied complete with  
low profile end caps for  
mounting batteries and  
LED with 1000mm lead

#### Applications:

Universities, supermarkets,  
warehouses, offices  
and where emergency  
lighting is required.

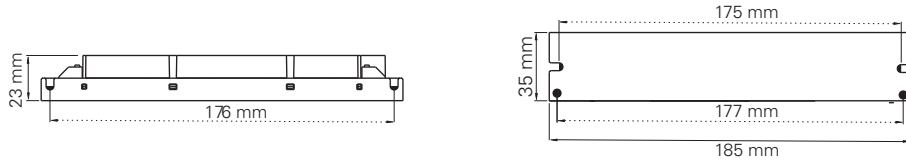
Lighting of escape routes  
and open areas.

The Conversion Kit LED range is designed for converting mains LED lighting into emergency lighting in conjunction with LED modules and LED control gears. It is compatible with the majority of all dimmable and non-dimmable constant current mains LED Drivers for linear/area as well as down light applications. It also can be used with normal fixed output or dimming LED control gear from 2,5W up to 4,1W emergency output power.

It is designed in a very small 35x23x185mm housing, making it ideal for use in compact LED luminaires where space is at a premium. This range is certified to conform with IEC61347-2-7 standard which makes the converted luminaires easily achieve compliance to IED60598-2-22 standard.

All models available are programmable by a jumper to an emergency operation of either 1 hour and 3 hours duration. The output forward voltage range of 3Vdc to 180Vdc makes this product range an ideal choice for driving most LED modules from mains lighting manufacturers available in the market today.

#### Conversion kit body



- 1 For LED modules with a forward voltage of 3 – 180V.
- 2 Selectable operating time (jumper).
- 3 Output power limitation and SELV classified.
- 4 Polarity reversal protection from battery connector.
- 5 Automatic shutdown of output if LED load is out of range.
- 6 Low profile casing (35x23x185 mm).

#### Battery dimensions (in mm)

Type	L	W	H	Fixing centers
4AA	100 (140)	30 (34)	15 (20)	(125)
3Cs	130 (160)	25 (26)	25 (26)	(150)
4Cs	173 (203)	25 (26)	25 (26)	(193)
5Cs	215 (245)	25 (26)	25 (26)	(235)
3D	182 (225)	34 (35)	34 (35)	(210)
4D	242 (285)	34 (35)	34 (35)	(270)
LifePo4	134 (173)	31 (32)	31 (32)	(157)

### Technical specification

System Mode	non-maintained
Mains input voltage	230 V AC $\pm 5\%$ (218,5 - 241,5 V AC)
Mains frequency	50/60Hz
Mains consumption	20mA AC @ AA & L cell battery 30mA AC @ Cs & D cell battery
Power factor	0,47
Recharge period	24 hours
Charging monitor	green LED with cable 1m, bi-color green/yellow LED with cable 1m for CGL+ bus
Test facility	by Normally Closed Push button by Normally Open Push button (not applicable on CGL+) by Telecommand signal
Duration	1 or 3h, selectable by jumper
Permissible ambient temperature (ta)	5..40°C
Case temperature max (tc)	converter: 60°C / battery: 50°C
Housing material	polycarbonate
Housing colour	white
Mounting	M4 screws (2 options)
Terminals	mains (L/N unswitched) (L1 switched in/out) up to 1,5 mm screwless pushwire & multicore
Battery	4AA Ni-Cd 4,8V 0,8Ah 2x2pack 3Cs Ni-Cd 3,6V 1,7Ah 3x1pack 4Cs NiCD 4,8V 1,7Ah 4x1pack 5Cs NiCD 6V 1,7Ah 5x1pack 2LiFePo4 6,4V 3,2Ah 2x1pack
IP rating	20
Overheating protection	110°C
Short circuit protection	Non-inherently short circuit proof
Weight	125gr 225gr with 4AA cell battery 275gr with 3Cs cell battery 325gr with 4Cs cell battery 375gr with 5Cs cell battery 305gr with LiFePo4 cell battery

Order code	Description	Battery
O-LVLD-4AA	Led Kit Low Voltage Driver 3-33Vdc (12Vdc)	4AA Ni-Cd 4,8V 800Ah 2x2pack
O-LVLD-4AA-TB	Led Kit Low Voltage Driver 3-33Vdc (12Vdc), with Test button LED, 35 cm	4AA Ni-Cd 4,8V 800Ah 2x2pack
O-LVLD-3CS	Led Kit Low Voltage Driver 3-33Vdc (12Vdc)	3Cs Ni-Cd 3,6V 1700Ah 3x1pack
O-LVLD-3CS-TB	Led Kit Low Voltage Driver 3-33Vdc (12Vdc), with Test button LED, 35 cm	3Cs Ni-Cd 3,6V 1700Ah 3x1pack
O-MVLD-4AA	Led Kit Medium Voltage Driver 20-55Vdc (24Vdc)	4AA Ni-Cd 4,8V 800Ah 2x2pack
O-MVLD-4AA-TB	Led Kit Medium Voltage Driver 20-55Vdc (24Vdc), with Test button LED, 35 cm	4AA Ni-Cd 4,8V 800Ah 2x2pack
O-MVLD-4CS	Led Kit Medium Voltage Driver 20-55Vdc (24Vdc)	4Cs Ni-Cd 4,8V 1700Ah 4x1pack
O-MVLD-4CS-TB	Led Kit Medium Voltage Driver 20-55Vdc (24Vdc), with Test button LED, 35cm	4Cs Ni-Cd 4,8V 1700Ah 4x1pack
O-HVLD-4AA	Led Kit High Voltage Driver 40-180Vdc (24Vdc)	4AA Ni-Cd 4,8V 800Ah 2x2pack
O-HVLD-4AA-TB	Led Kit High Voltage Driver 40-180Vdc (24Vdc), with Test button LED, 35 cm	4AA Ni-Cd 4,8V 800Ah 2x2pack
O-HVLD-5CS	Led Kit High Voltage Driver 40-180Vdc (24Vdc)	5Cs Ni-Cd 6V 1700Ah 5x1pack
O-HVLD-5CS-TB	Led Kit High Voltage Driver 40-180Vdc (24Vdc), with Test button LED, 35 cm	5Cs Ni-Cd 6V 1700Ah 5x1pack

### CGLLine+ versions

O-LVLD-2L-CGL	Led Kit Low Voltage Driver 3-33Vdc (12Vdc), CGL+	2LiFePo4 6,4V 3200Ah 2x1pack
O-LVLD-2L-CGLTB	Led Kit Low Voltage Driver 3-33Vdc (12Vdc), CGL+, with Test button	2LiFePo4 6,4V 3200Ah 2x1pack
O-MVLD-2L-CGL	Led Kit Medium Voltage Driver 20-55Vdc (24Vdc), CGL+	2LiFePo4 6,4V 3200Ah 2x1pack
O-MVLD-2L-CGLTB	Led Kit Medium Voltage Driver 20-55Vdc (24Vdc), CGL+, with Test button	2LiFePo4 6,4V 3200Ah 2x1pack
O-HVLD-2L-CGLTB	Led Kit High Voltage Driver 40-180Vdc (24Vdc), CGL+	2LiFePo4 6,4V 3200Ah 2x1pack
O-HVLD-2L-CGL	Led Kit High Voltage Driver 40-180Vdc (24Vdc), CGL+, with Test button	2LiFePo4 6,4V 3200Ah 2x1pack

### Accessory

O-CKL-TB	Conversion Kit LED Test Button, Normally Close, with LED charging indicator, 35 cm
O-CKL-TB-CGL	Conversion Kit LED CGL+ Test Button, Normally Close, with LED charging indicator, 35 cm