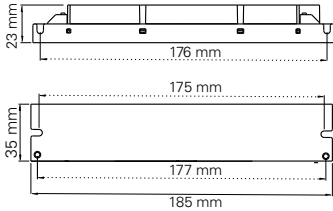
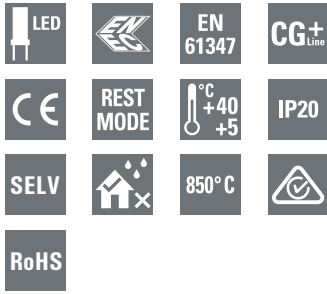


Emergency Lighting

Conversion Kit LED



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)
3D	182 (225)	34 (35)	34 (35)	(210)
4D	242 (285)	34 (35)	34 (35)	(270)
LiFePo4	134 (173)	31 (32)	31 (32)	(157)

Values inside parentheses refer to batteries with mounting caps

Conversion Kit LED Low Voltage

- Emergency lighting LED Driver for 3-33Vdc LED lamps. Output open voltage 40Vdc (SELV).
- Low profile casing (23 x 185 mm), for mains luminaire installation (build-in).
- Non maintained operation with Rest mode.
- 1h or 3h rated duration, selectable by jumper. 2h and 3h variants available.
- Constant voltage output mode selectable by jumper: 12Vdc, 150mA max (4AA battery) / 240mA max (3Cs battery), 520mA max (LiFePo battery), 1h rated duration.
- Compatible with all dimmable and non-dimmable constant current mains LED Drivers.
- Maximum light output for all LED modules. Auto adjust LED current based on LED voltage for optimum battery usage.
- Soft start on transition to emergency operation / suppress peak currents on emergency start.
- Mains LED driver protection of operation without LED lamp: dedicated relay for disconnecting Live from mains LED driver, activating immediately after any mains failure or any test signal and before the disconnection of the lamp.
- 4-pole technology: LED lamp change over from mains LED driver through a dedicated relay offering full isolation from mains driver.
- Automatic shutdown of emergency operation if no LED lamp is connected on the output terminals or LED load is out of range.
- Deep discharge protection.
- Battery connectors for short-circuit-proof battery connection & polarity reversal protection.
- Re-chargeable NiCd and LiFePo battery packs.
- Test function by NO free contact / NC free conduct / Telecommand signal.
- Monitoring system CGL+ compatible variants available.

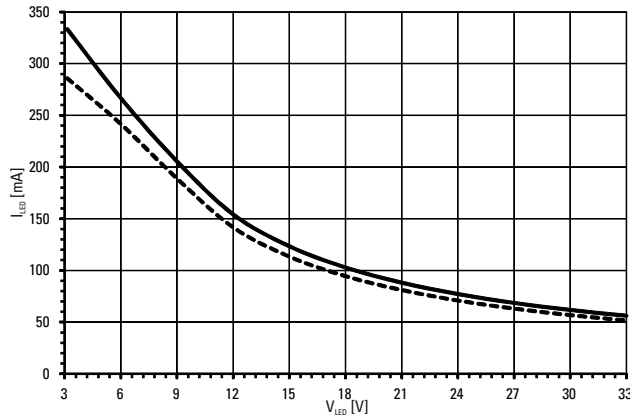
System Mode	non-maintained
Mains input voltage	230 V AC \pm 10%
Mains frequency	50/60Hz
Mains consumption	20mA AC @ AA & L cell battery 30mA AC @ Cs & D cell battery
Power factor	0,47
Recharge period	24 hours / 16 hours on 2h variants
Charging monitor	green LED with cable 1m. bi-color green/yellow LED 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, 2h/3h only variants available
Permissible ambient temperature (t_a)	5..40°C
Case temperature max (t_c)	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 ² screwless pushwire & multicore
Battery	4AA NiCD 4,8V 0,8Ah 2x2pack 3Cs NiCD 3,6V 1,7Ah 3x1pack 3D NiCd 3,6V 4Ah 3x1pack 4D NiCd 4,8V 4Ah 4x1pack 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 505gr with 3D cell battery 685gr with 4D cell battery 305gr with LiFePo4 cell battery

Output Current / Voltage characteristics

The LED current in emergency mode is automatically adjusted by the Conversion Kit LED based on the total voltage of the LED modules connected and the associated battery

Order code: O-LVLD-4AA
Conversion Kit LED 3-33V
Emergency duration: 1h
Battery: 4,8V / 0,8Ah

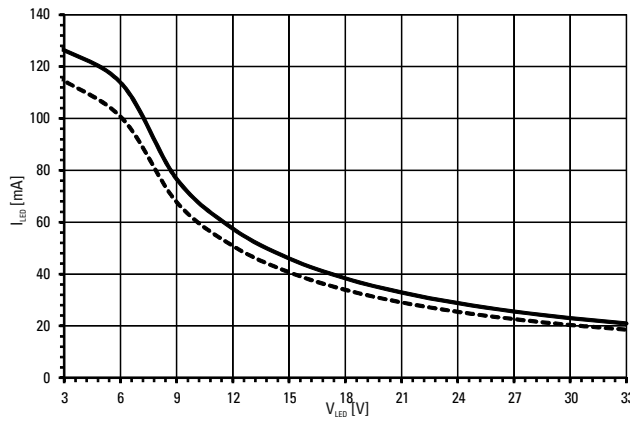
LED current: 50 – 340mA
LED power: 1,75W typical
Constant Voltage (CV) output:
12Vdc / 150mAdc max



--- LED current at nominal battery voltage and min. battery discharge current
— LED current at nominal battery voltage and max. battery discharge current

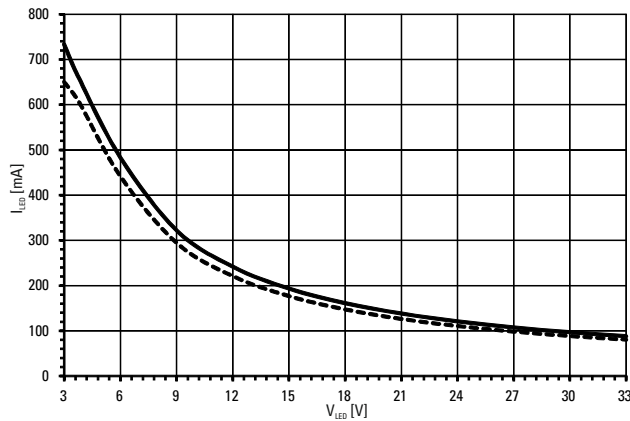
Order code: O-LVLD-4AA
Conversion Kit LED 3-33V
Emergency duration: 3h
Battery: 4,8V / 0,8Ah

LED current: 20 – 125mA
LED power: 0,65W typical



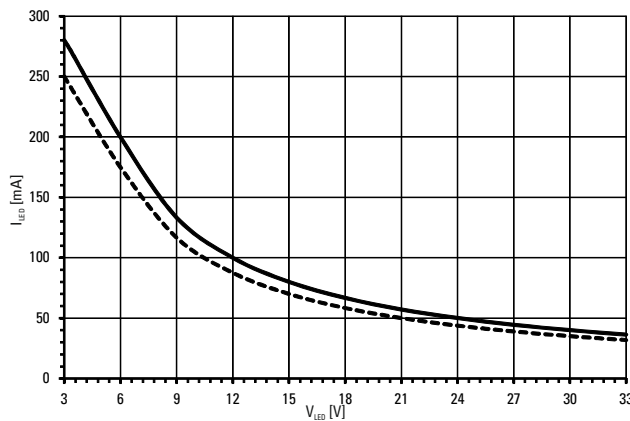
Order code: O-LVLD-3CS
Conversion Kit LED 3-33V
Emergency duration: 1h
Battery: 3,6V / 1,7Ah

LED current: 80 – 700mA
LED power: 2,75W typical
Constant Voltage (CV) output:
12Vdc / 240mAdc max



Order code: O-LVLD-3CS
Conversion Kit LED 3-33V
Emergency duration: 3h
Battery: 3,6V / 1,7Ah

LED current: 35 – 270mA
LED power: 1,1W typical



Emergency Lighting

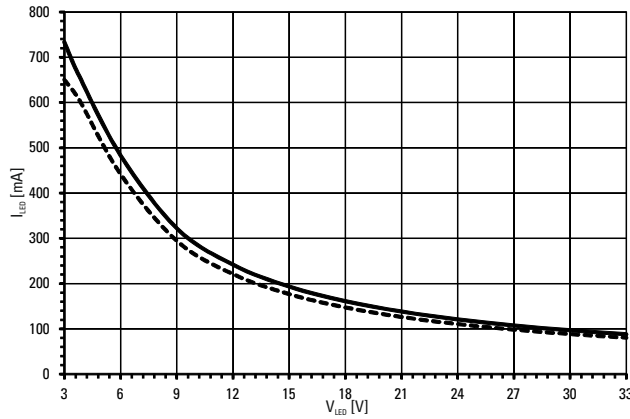
Conversion Kit LED

Output Current / Voltage characteristics

The LED current in emergency mode is automatically adjusted by the Conversion Kit LED based on the total voltage of the LED modules connected and the associated battery

Order code: O-LVLD-3D
Conversion Kit LED 3-33V
Emergency duration: 3h
Battery: 3.6V / 4Ah

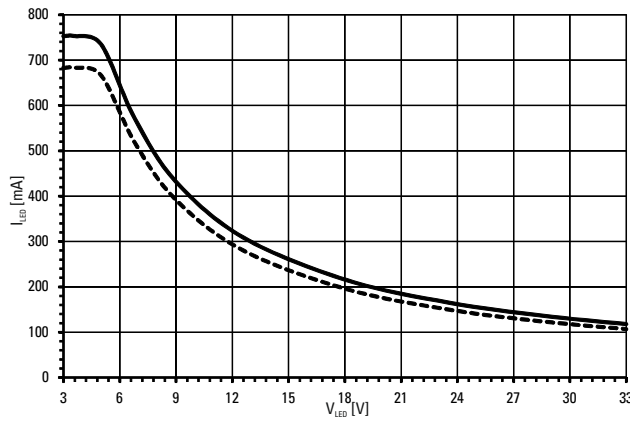
LED current: 80 – 700mA
LED power: 2,75W typical



- - - - - LED current at nominal
battery voltage and min.
battery discharge current
— LED current at nominal
battery voltage and max.
battery discharge current

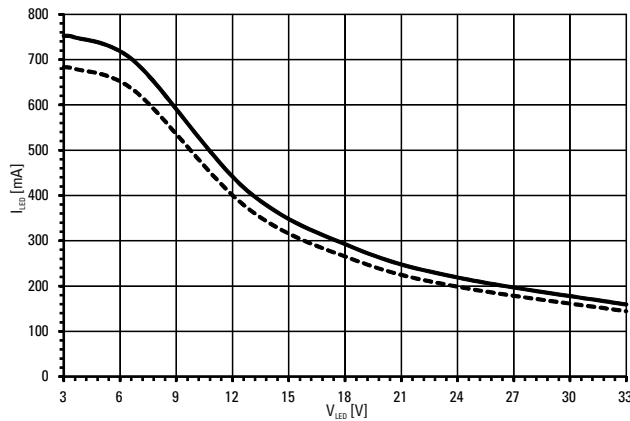
Order code: O-LVLD-4D
Conversion Kit LED 3-33V
Emergency duration: 3h
Battery: 4.8V / 4Ah

LED current: 110 – 720mA
LED power: 3,7W typical



Order code: O-LVLD-4D-TB
Conversion Kit LED 3-33V
Emergency duration: 2h
Battery: 4.8V / 4Ah

LED current: 150 – 720mA
LED power: 5W typical

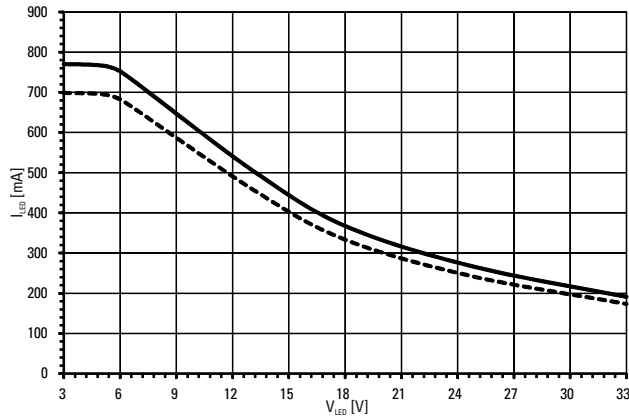


Output Current / Voltage characteristics

The LED current in emergency mode is automatically adjusted by the Conversion Kit LED based on the total voltage of the LED modules connected and the associated battery

Order code: O-LVLD-2L-CGL
Conversion Kit LED 3-33V
Emergency duration: 1h
Battery: 6.4V / 3,2Ah

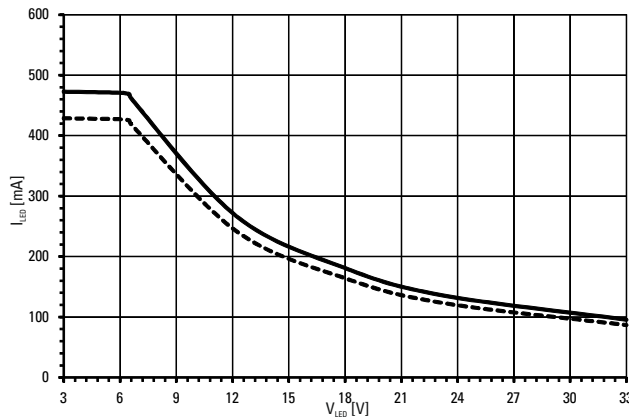
LED current: 180 – 735mA
LED power: 6W typical
Constant Voltage (CV) output:
12Vdc / 520mAdc max



--- LED current at nominal battery voltage and min. battery discharge current
— LED current at nominal battery voltage and max. battery discharge current

Order code: O-LVLD-2L-CGL
Conversion Kit LED 3-33V
Emergency duration: 3h
Battery: 6.4V / 3,2Ah

LED current: 91 – 450mA
LED power: 3W typical



Ordering details

Scope of delivery	Order No.
Led Kit Low Voltage Driver 3-33Vdc (12Vdc) / 4AA	O-LVLD-4AA
Led Kit Low Voltage Driver 3-33Vdc (12Vdc) / 4AA, with Test button LED, 35 cm	O-LVLD-4AA-TB
Led Kit Low Voltage Driver 3-33Vdc (12Vdc) / 3CS	O-LVLD-3CS
Led Kit Low Voltage Driver 3-33Vdc (12Vdc) / 3CS, with Test button LED, 35 cm	O-LVLD-3CS-TB
Led Kit Low Voltage Driver 3-33Vdc / 3D, 3h	O-LVLD-3D
Led Kit Low Voltage Driver 3-33Vdc / 4D, 3h	O-LVLD-4D
Led Kit Low Voltage Driver 3-33Vdc / 4D, with Test button LED, 35 cm, 2h	O-LVLD-4D-TB
Led Kit Low Voltage Driver 3-33Vdc (12Vdc) / 2LF, CGL+	O-LVLD-2L-CGL
Led Kit Low Voltage Driver 3-33Vdc (12Vdc) / 2LF, CGL+, with Test button LED, 35 cm	O-LVLD-2LCGLTB

Test button



Accessory

Scope of delivery	Order No.
Conversion Kit LED Test Button, Normally Close, with LED charging indicator, 35 cm	O-CKL-TB
Conversion Kit LED CGL+ Test Button, Normally Close, with LED charging indicator, 35 cm	O-CKL-TB-CGL