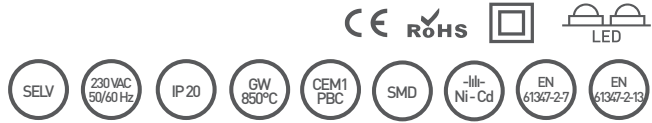


EMERGENCY LIGHTING UNITS - LED EMLUS-LED / HX2



Compatible with panel LED, COB LED and power LED
Compatible with all dimmable and non-dimmable, constant current LED control gears
Non-maintained operation
Emergency lighting function by interruption of the unswitched phase
1 - 3 h duration
Constant current output
Operation range of 3 ... 150 VDC, optional 200 VDC
Short-circuit, open-circuit and overload protection
High-temperature Ni-Cd battery cells
Overcharge and deep discharge protection
Polarity reversal protection for battery
Charge status display with green LED
Polycarbonate case
Simple connectable terminal block
Optional - 110 VAC compatibility



In accordance with EN 61347-1, EN 61347-2-7 and EN 61347-2-13 standards.

TECHNICAL DATA

SUPPLY VOLTAGE :	230 VAC 50/60 Hz	OUTPUT CURRENT :	30 ... 63 mA
AMBIENT TEMPERATURE (ta) :	-10 °C ... +50 °C	OUTPUT VOLTAGE :	3 ... 150 VDC
MAX. CASING TEMPERATURE (tc) :	70 °C	OPEN CIRCUIT VOLTAGE :	0 VDC
RATED DURATION :	1 / 3 h	PROTECTION CLASS :	IP 20
BATTERY CHARGING TIME :	24 / 48 h	INSULATION CLASS :	II
EMERGENCY LUMEN FACTOR (BLF) :	%5,5 ... %17		

PRODUCT LIST

PRODUCT CODE	OUTPUT CURRENT*	LED MODULE OUTPUT VOLTAGE RANGE	LED CURRENT TOLERANCE	SERIES LED QUANTITY
EMLUS-LED/HX2-040	63 mA	3 ... 40 VDC	±15%	1 ... 13 LED
EMLUS-LED/HX2-060	55 mA	3 ... 60 VDC	±15%	1 ... 20 LED
EMLUS-LED/HX2-090	45 mA	3 ... 90 VDC	±15%	1 ... 30 LED
EMLUS-LED/HX2-150	30 mA	3 ... 150 VDC	±15%	1 ... 50 LED

* Measured using maximum LED quantities with 3,6 V battery.

BATTERY AND MAINS DATA

PRODUCT CODE	BATTERY CAPACITY	RATED POWER (W)*	MAINS CURRENT (A)*	POWER FACTOR (PF)*	DIMENSIONS (mm)	WEIGHT (kg)	QTY in CARTON BOX
EMLUS-LED/HX2-040/1H	3,6V/900mAh	3,03	0,014	0,94	41 x 169,5 x 31,5	0,180	30
EMLUS-LED/HX2-060/1H	3,6V/1200mAh	3,06	0,014	0,95	41 x 169,5 x 31,5	0,180	30
EMLUS-LED/HX2-090/1H	3,6V/1600mAh	3,40	0,015	0,96	41 x 169,5 x 31,5	0,180	30
EMLUS-LED/HX2-150/1H	3,6V/1800mAh	3,40	0,015	0,96	41 x 169,5 x 31,5	0,180	30
EMLUS-LED/HX2-040/3H	3,6V/2500mAh	3,65	0,016	0,97	41 x 169,5 x 31,5	0,180	30
EMLUS-LED/HX2-060/3H	3,6V/3000mAh	3,65	0,016	0,97	41 x 169,5 x 31,5	0,180	30
EMLUS-LED/HX2-150/3H	3,6V/4000mAh	3,65	0,016	0,97	41 x 169,5 x 31,5	0,180	30

* Measured under 230 V mains.

EMERGENCY LUMEN FACTOR

LED OPERATING VOLTAGE	LED OPERATING CURRENT 350mA	LED OPERATING CURRENT 500mA	LED OPERATING CURRENT 700mA	LED OPERATING CURRENT 1050mA	LED OPERATING CURRENT 1400mA
3 ... 40 VDC	%17,00	%12,00	%8,50	%6,00	%4,00
41 ... 60 VDC	%16,00	%11,00	%8,00	%5,50	-
61 ... 90 VDC	%12,50	%9,00	%6,50	-	-
91 ... 150 VDC	%9,00	-	-	-	-

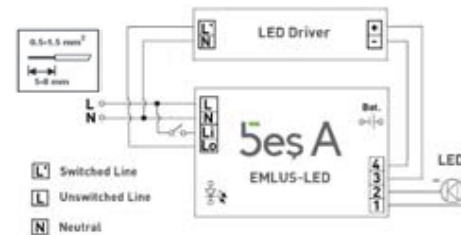
Measured with 3,6 V battery under maximum operating voltage.

BATTERY DATA

VOLTAGE	CAPACITY	CELL TYPE	CELL SIZE (mm)	QTY OF CELLS	DIMENSIONS (mm)	WEIGHT (kg)
3,6V	900 mAh	AA	15	3	15 x 153±3 x 15	0,085
3,6V	1200 mAh	SC	23	3	23 x 129±3 x 23	0,150
3,6V	1600 mAh	SC	23	3	23 x 129±3 x 23	0,150
3,6V	1800 mAh	SC	23	3	23 x 129±3 x 23	0,150
3,6V	2500 mAh	C	26	3	26 x 150±3 x 26	0,240
3,6V	3000 mAh	C	26	3	26 x 150±3 x 26	0,240
3,6V	4000 mAh	D	33	3	33 x 180±3 x 33	0,375

Battery dimensions are given without holder. When the holders are added, the length will increase by +40mm and the diameter +5mm.
Please refer to "Battery Details Table" in "Emergency Lighting Solutions Overview" section of the catalogue for further battery information.

WIRING DIAGRAM



TECHNICAL DRAWING

