

## EMERGENCY LIGHTING UNITS - LED EMLUS-LED / LX2

### 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/LX2-150/1H	3,6 V / 900 mAh	3,03	0,014	0,94	41 x 169,5 x 31,5	0,180	30
EMLUS-LED/LX2-040/3H	3,6 V / 1200 mAh	3,06	0,014	0,95	41 x 169,5 x 31,5	0,180	30
EMLUS-LED/LX2-075/3H	3,6 V / 1600 mAh	3,40	0,015	0,96	41 x 169,5 x 31,5	0,180	30
EMLUS-LED/LX2-150/3H	3,6 V / 1800 mAh	3,40	0,015	0,96	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	%6,00	%4,00	%3,00	%2,00	%1,50
41 ... 75 VDC	%5,00	%3,50	%2,50	-	-
76 ... 150 VDC	%3,00	-	-	-	-

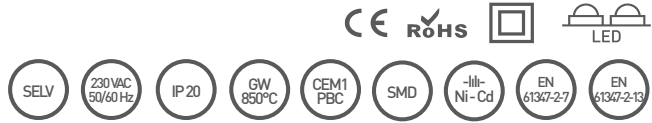
Measured with 3,6 V battery under maximum operating voltage.

### BATTERY DATA

VOLTAGE	CAPACITY	CELL TYPE	CELL SIZE (mm)	QTY OF CELLS	DIMENSIONS (mm)	WEIGHT (kg)
3,6V	900mAh	AA	15	3	15 x 153±3 x 15	0,085
3,6V	1200mAh	SC	23	3	23 x 129±3 x 23	0,150
3,6V	1600mAh	SC	23	3	23 x 129±3 x 23	0,150
3,6V	1800mAh	SC	23	3	23 x 129±3 x 23	0,150

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.

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

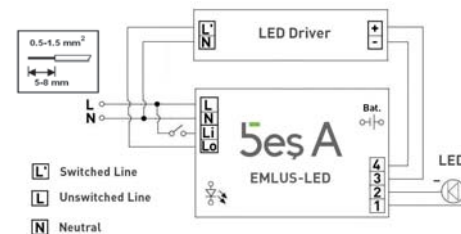
SUPPLY VOLTAGE :	230 VAC 50/60 Hz	OUTPUT CURRENT :	10 ... 20 mA
AMBIENT TEMPERATURE (ta) :	-10 °C ... +50 °C	OUTPUT VOLTAGE :	3 ... 150 VDC
MAX. CASING TEMPERATURE (tc) :	70 °C	OPEN CIRCUIT VOLTAGE :	0 VDC
RATED DURATION :	1 / 3 h	PROTECTION CLASS :	IP 20
BATTERY CHARGING TIME :	24 / 48 h	INSULATION CLASS :	II
EMERGENCY LUMEN FACTOR (BLF) :	%1,5 ... %6		

### PRODUCT LIST

PRODUCT CODE	OUTPUT CURRENT*	LED MODULE OUTPUT VOLTAGE RANGE	LED CURRENT TOLERANCE	SERIES LED QUANTITY
EMLUS-LED/LX2-040	20 mA	3 ... 40 VDC	±15%	1 ... 13 LED
EMLUS-LED/LX2-075	17 mA	3 ... 75 VDC	±15%	1 ... 25 LED
EMLUS-LED/LX2-150	10 mA	3 ... 150 VDC	±15%	1 ... 50 LED

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

### WIRING DIAGRAM



### TECHNICAL DRAWING

