

EMERGENCY LIGHTING UNITS - LED EMLUS-SLED / WELCO



Wireless communication, Wi-Fi (802.11 b/g/n)
Possible to access from anywhere in the world with cloud technology
Remote monitoring and testing with WELCO software
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
3 h duration
Electromagnetic Interference (EMI) filter
Emergency lighting function in case of low-voltage
Constant output power
Operation range of 9 ... 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
Status display with two color LEDs
Optional - Test switch
Optional - 110 VAC compatibility
Polycarbonate case
Simple connectable terminal block
Optional - LiFePO4 or Ni-MH battery application



In accordance with EN 61347-1, EN 61347-2-7, EN 62034 standards.

TECHNICAL DATA

SUPPLY VOLTAGE :	230 VAC 50/60 Hz	OUTPUT CURRENT :	12 ... 300 mA
AMBIENT TEMPERATURE (ta) :	-10 °C ... +50 °C	OUTPUT VOLTAGE :	9 ... 150 VDC
MAX. CASING TEMPERATURE (tc) :	70 °C	OPEN CIRCUIT VOLTAGE :	70 VDC / 150 VDC
RATED DURATION :	3 h	PROTECTION CLASS :	IP 20
BATTERY CHARGING TIME :	24 h	INSULATION CLASS :	II
EMERGENCY LUMEN FACTOR (BLF) :	%3,5 ... %26		

PRODUCT LIST

PRODUCT CODE	OUTPUT CURRENT*	LED MODULE OUTPUT VOLTAGE RANGE	LED CURRENT TOLERANCE	SERIES LED QUANTITY
EMLUS-SLED/WELCO-2W/3H	25 ... 190 mA	9 ... 70 VDC	±%15	3 ... 23 LED
EMLUS-SLED/WELCO-3W/3H	40 ... 300 mA	9 ... 70 VDC	±%15	3 ... 23 LED
EMLUS-SLED/WELCO-2W/150V	12 ... 116 mA	18 ... 150 VDC	±%15	5 ... 50 LED
EMLUS-SLED/WELCO-3W/150V	18 ... 183 mA	18 ... 150 VDC	±%15	5 ... 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-SLED/WELCO-2W/3H	3,6 V / 1800 mAh	2,40	0,021	0,48	42 x 234,5 x 23,5	0,130	50
EMLUS-SLED/WELCO-3W/3H	3,6 V / 3000 mAh	2,96	0,024	0,52	42 x 234,5 x 23,5	0,130	50
EMLUS-SLED/WELCO-2W/150V	3,6 V / 1800 mAh	2,40	0,021	0,48	42 x 234,5 x 23,5	0,130	50
EMLUS-SLED/WELCO-3W/150V	3,6 V / 3000 mAh	2,96	0,024	0,52	42 x 234,5 x 23,5	0,130	50

* Measured under 230 V mains.

EMERGENCY LUMEN FACTOR (2W)

LED OPERATING VOLTAGE	LED OPERATING CURRENT 350mA	LED OPERATING CURRENT 500mA	LED OPERATING CURRENT 700mA	LED OPERATING CURRENT 1050mA	LED OPERATING CURRENT 1400mA
9 ... 30 VDC	%16,50	%11,50	%8,00	%5,50	%4,00
31 ... 50 VDC	%10,00	%7,00	%5,00	%3,00	-
51 ... 70 VDC	%7,00	%5,00	%3,50	-	-
71 ... 150 VDC	%3,50	-	-	-	-

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

EMERGENCY LUMEN FACTOR (3W)

LED OPERATING VOLTAGE	LED OPERATING CURRENT 350mA	LED OPERATING CURRENT 500mA	LED OPERATING CURRENT 700mA	LED OPERATING CURRENT 1050mA	LED OPERATING CURRENT 1400mA
9 ... 30 VDC	%26,00	%18,00	%13,00	%8,50	%6,50
31 ... 50 VDC	%15,50	%11,00	%7,50	%5,00	-
51 ... 70 VDC	%11,00	%7,50	%5,50	-	-
71 ... 150 VDC	%5,00	-	-	-	-

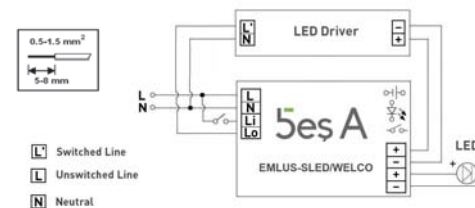
Measured with 3,6 V battery under maximum operating voltage.

BATTERY DATA

VOLTAGE	CAPACITY	CELL TYPE	CELL SIZE (mm)	QTY OF CELLS	DIMENSIONS (mm)	WEIGHT (kg)
3,6V	1800mAh	SC	23	3	23 x 129±3 x 23	0,150
3,6V	3000mAh	C	26	3	26 x 150±3 x 26	0,240

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

