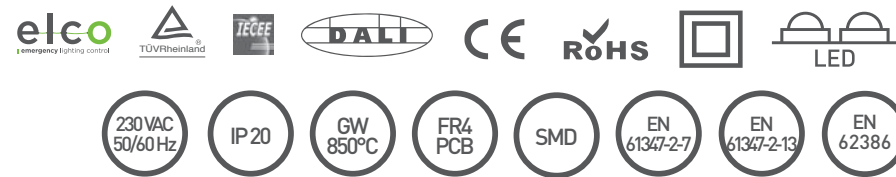


EMERGENCY LIGHTING UNITS - LED EMLUS-SLED / DALI



- 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 18 ... 200 VDC
- Short-circuit, open-circuit and overload protection
- Remote control and test with DALI interface
- High-temperature Ni-Cd battery cells
- Overcharge and deep discharge protection
- Polarity reversal protection for battery
- Status display with bi-color LEDs
- Simple connectable terminal block
- Polycarbonate case
- Optional - Test switch
- Optional - 110 VAC compatibility
- Optional - LiFePO4 or Ni-MH battery application



In accordance with EN 61347-1, EN 61347-2-7 and EN 62386 standards.

TECHNICAL DATA

SUPPLY VOLTAGE :	230 VAC 50/60 Hz	OUTPUT CURRENT :	9 ... 208 mA
AMBIENT TEMPERATURE (ta) :	-10 °C ... +50 °C	OUTPUT VOLTAGE :	18 ... 200 VDC
MAX. CASING TEMPERATURE (tc) :	70 °C	OPEN CIRCUIT VOLTAGE :	165/215 VDC
RATED DURATION :	3 h	PROTECTION CLASS :	IP 20
BATTERY CHARGING TIME :	24 h	INSULATION CLASS :	II
EMERGENCY LUMEN FACTOR (BLF) :	%2,50 ... %21,43		

PRODUCT LIST

PRODUCT CODE	OUTPUT CURRENT*	LED MODULE OUTPUT VOLTAGE RANGE	LED CURRENT TOLERANCE	SERIES LED QUANTITY
EMLUS-SLED/DALI-2W/150	12 ... 97mA	18 ... 150 VDC	±%15	6 ... 50 LED
EMLUS-SLED/DALI-3W/150	18 ... 153 mA	18 ... 150 VDC	±%15	6 ... 50 LED
EMLUS-SLED/DALI-4W/150	25 ... 208 mA	18 ... 150 VDC	±%15	6 ... 50 LED
EMLUS-SLED/DALI-2W/200	9 ... 73 mA	24 ... 200 VDC	±%15	8 ... 66 LED
EMLUS-SLED/DALI-3W/200	14 ... 115 mA	24 ... 200 VDC	±%15	8 ... 66 LED
EMLUS-SLED/DALI-4W/200	19 ... 156 mA	24 ... 200 VDC	±%15	8 ... 66 LED

* Measured using minimum and maximum LED quantities with 3,6 V charged 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/DALI-2W	3,6 V / 1800 mAh	2,40	0,023	0,45	32 x 221 x 22	0,110	50
EMLUS-SLED/DALI-3W	3,6 V / 3000 mAh	2,96	0,024	0,52	32 x221 x 22	0,110	50
EMLUS-SLED/DALI-4W	3,6 V / 4000 mAh	3,20	0,026	0,53	32 x 221 x 22	0,110	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
18 ... 50 VDC	%10,00	%7,00	%5,00	%3,33	%2,50
51 ... 100 VDC	%5,00	%3,50	%2,50	-	-
101 ... 150 VDC	%3,33	%2,33	-	-	-
151 ... 200 VDC	%2,50	-	-	-	-

Calculated with 3,6 V charged 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
18 ... 50 VDC	%15,71	%11,00	%7,86	%5,24	%3,93
51 ... 100 VDC	%7,86	%5,50	%3,93	-	-
101 ... 150 VDC	%5,24	%3,67	-	-	-
151 ... 200 VDC	%3,93	-	-	-	-

Calculated with 3,6 V charged battery under maximum operating voltage.

EMERGENCY LUMEN FACTOR (4W)

LED OPERATING VOLTAGE	LED OPERATING CURRENT 350mA	LED OPERATING CURRENT 500mA	LED OPERATING CURRENT 700mA	LED OPERATING CURRENT 1050mA	LED OPERATING CURRENT 1400mA
18 ... 50 VDC	%21,43	%15,00	%10,71	%7,14	%5,36
51 ... 100 VDC	%10,71	%7,50	%5,36	-	-
101 ... 150 VDC	%7,14	%5,00	-	-	-
151 ... 200 VDC	%5,36	-	-	-	-

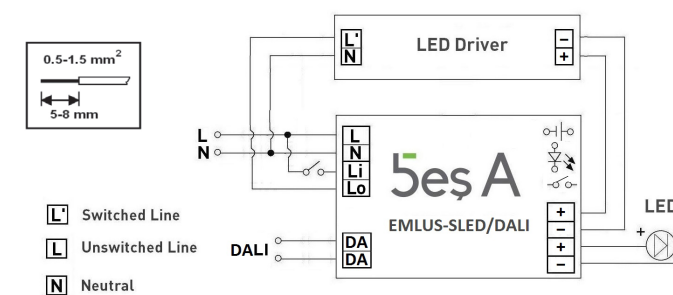
Calculated with 3,6 V charged battery under maximum operating voltage.

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
3,6V	4000mAh	D	33	3	33 x 180±3 x 33	0,375

Battery dimensions are given without holder. When the holders are added, the lenghts 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

