

EMERGENCY LIGHTING UNITS FLUORESCENT LAMP EMLUS-FLS

- Compatible with electronic and magnetic ballast
- Non-maintained operation
- Emergency lighting function by interruption of the unswitched phase 1 - 3 h duration
- Emergency lighting function in case of low-voltage
- Compatible with 4-pin fluorescent lamps
- Prolonging the lamp life with warm-start
- 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 - Ni-MH battery application
- Optional - 110 VAC compatibility



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

TECHNICAL DATA

SUPPLY VOLTAGE :	230 VAC 50/60 Hz	BATTERY CHARGING TIME :	24 h
AMBIENT TEMPERATURE (ta) :	-10 °C ... +50 °C	EMERGENCY LUMEN FACTOR (BLF) :	%7 ... %20
MAX. CASING TEMPERATURE (tc) :	70 °C	PROTECTION CLASS :	IP 20
RATED DURATION :	1 / 3 h	INSULATION CLASS :	II

PRODUCT LIST

PRODUCT CODE	RATED DURATION	FLUORESCENT LAMP TYPE & LAMP POWER			
		4-pin T8	4-pin T5	4-pin PLL	4-pin PLC
EMLUS-FLS/A	1 / 3 h	18 W	13-14 W	11-18 W	13 W
EMLUS-FLS/B	1 / 3 h	36 W	24 W	24-36 W	18-26 W
EMLUS-FLS/C	1 / 3 h	58 W	21-39 W	55 W	-
EMLUS-FLS/D	1 / 3 h	-	28-35-49-54-80 W	-	32-42 W

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-FLS/A/1H	3,6 V / 900 mAh (1-h)	2,25	0,021	0,48	42 x 234,5 x 23,5	0,140	30
EMLUS-FLS/A/3H	3,6 V / 2500 mAh (3-h)	2,95	0,024	0,52	42 x 234,5 x 23,5	0,140	30
EMLUS-FLS/B/1H	3,6 V / 1200 mAh (1-h)	2,50	0,022	0,50	42 x 234,5 x 23,5	0,140	30
EMLUS-FLS/B/3H	3,6 V / 3000 mAh (3-h)	2,95	0,024	0,52	42 x 234,5 x 23,5	0,140	30
EMLUS-FLS/C/1H	3,6 V / 1600 mAh (1-h)	2,75	0,023	0,50	42 x 234,5 x 23,5	0,140	30
EMLUS-FLS/C/3H	3,6 V / 4000 mAh (3-h)	3,60	0,029	0,55	42 x 234,5 x 23,5	0,140	30
EMLUS-FLS/D/1H	4,8 V / 1800 mAh (1-h)	3,80	0,030	0,56	42 x 234,5 x 23,5	0,140	30
EMLUS-FLS/D/3H	4,8 V / 4000 mAh (3-h)	5,50	0,041	0,60	42 x 234,5 x 23,5	0,140	30

* Measured under 230 V mains.

EMERGENCY LUMEN FACTOR

PRODUCT	FLUORESCENT LAMP TYPE & LAMP POWER			
	4-pin T8	4-pin T5	4-pin PLL	4-pin PLC
EMLUS-FLS/A	18W(%11)	13W(%18) 14W(%17)	11W(%20) 18W(%13)	13W(%20)
EMLUS-FLS/B	36W(%8)	24W(%11)	24W(%10) 36W(%13)	18W(%20) 26W(%14)
EMLUS-FLS/C	58W(%7)	21W(%15) 39W(%14)	55W(%10)	-
EMLUS-FLS/D	-	28W(%13) 35W(%10) 49W(%10) 54W(%12) 80W(%8)	-	32W(%13) 42W(%13)

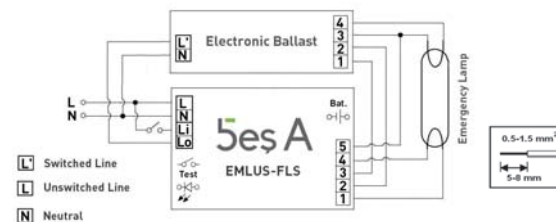
Measured with 3,6 V battery under maximum operating voltage.

BATTERY DATA

VOLTAGE	CAPACITY	CELL TYPE	CELL SIZE (mm)	QTY OF CELLS	DIMENSIONS (mm)	WEIGHT (kg)
3,6 V	900 mAh	AA	15	3	15 x 153±3 x 15	0,085
3,6 V	1200 mAh	SC	23	3	23 x 129±3 x 23	0,150
3,6 V	1600 mAh	SC	23	3	23 x 129±3 x 23	0,150
3,6 V	2500 mAh	C	26	3	26 x 150±3 x 26	0,240
3,6 V	3000 mAh	C	26	3	26 x 150±3 x 26	0,240
3,6 V	4000 mAh	D	33	3	33 x 180±3 x 33	0,375
4,8 V	1800 mAh	SC	23	4	33 x 172±4 x 33	0,225
4,8 V	4000 mAh	D	33	4	33 x 240±4 x 33	0,520

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

