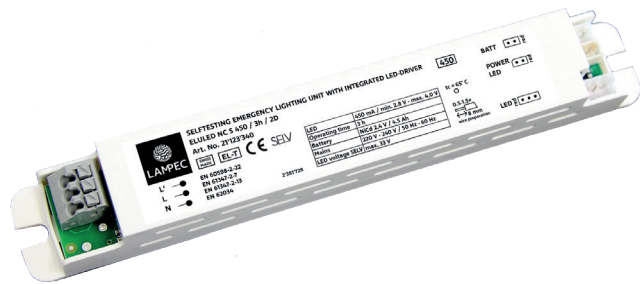


EMERGENCY LIGHTING UNIT

ELULED NC

Emergency lighting unit for LED applications with integrated LED driver



Technical specifications

Mains voltage range	220 – 240 V
Main frequency	50 / 60 Hz
Output voltage range	2,8 – 13,5 V
Output current in maintained operation	350 or 700 mA
Power consumption	max. 15 VA
Switchover time mains – emergency	< 0,5 s
Max. housing temperature t_c	65 °C
Ambient temperature range	5 – 50 °C
Functionality test	weekly 2 min. (random – see selftest data sheet)
Duration test	four times annually
Battery charging time	24 h
Protection classes	I und II
Protection type	IP20
Weight	60 g
C housing dimensions	L 165 x B 24 x H 21 mm
Hole spacing	157 mm

Product description

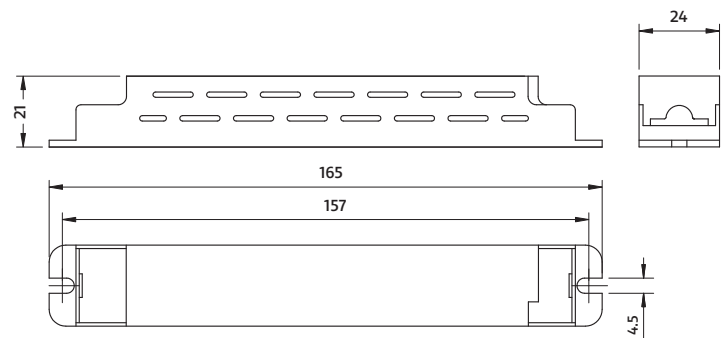
The emergency lighting unit ELULED NC operates LED modules within a range of 2,8 to maximum 13,5 V in maintained and non-maintained operation with a constant power output to the LED array. The integrated selftest functionality corresponds with European standards.

- Self-contained emergency LED driver for maintained and non-maintained operation
- Usage in single Power LEDs and LED arrays between 2,8 and maximum 13,5 V
- Polycarbonate housing for protection classes I and II luminaires (L 165 x B 24 x H 21 mm)
- 60 months guarantee

Properties

- Maintained and non-maintained operation
- Selftest as per IEC 62034
- Electronic control of LED currents in maintained operation
- Currents in maintained operation 700 or 350 mA (automatic recognition of the LED array) (other values upon request)
- 3 h emergency operation
- Constant power output in emergency mode 3 h (depending on battery type used, see table on page 2)
- SELV
- Optional bus communication (DALI or Meterbus)
- Bi-colour LED status display
- Deep discharge protection
- Suitable for escape route lighting, back-up lighting and particularly hazardous workplaces
- Ambient temperature range 5 – 50 °C
- Adapted charge conditions for all battery types (NiCd, NiMH, LFP)

C housing

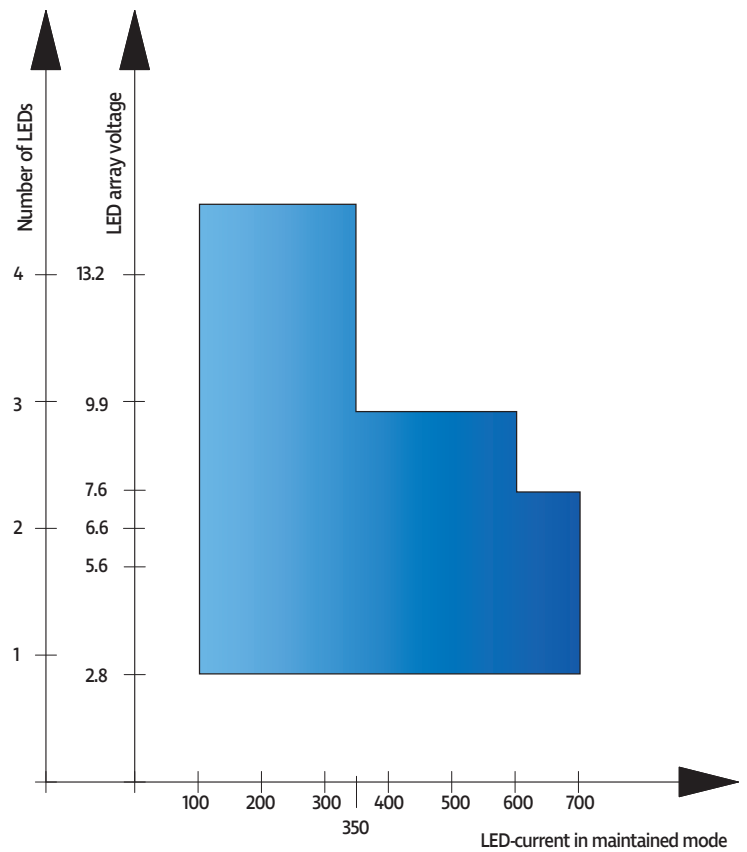


Technical data

Specifications	Type	ELULED NC	
LED voltage in maintained mode		min. 2,8 V max. 7,6 V	min. 2,8 V max. 13,5 V
LED current in maintained mode		700 mA ¹⁾	350 mA ¹⁾
Output power in maintained mode		max. 5,3 W	max. 5,3 W
Emergency operation duration		3 h ²⁾	3 h ²⁾
Output power in emergency operation with battery types NiCd/NiMH 2.4V-1.8Ah and LFP 3.2V-1.5Ah		0,5 W	0,5 W
Output power in emergency operation with battery types NiCd/NiMH 2.4V-4Ah-4.5Ah and LFP 3.2V-3Ah		1,2 W	1,2 W
SELV		✓	✓
Product references for DALI communication		ELULED NC FDS	ELULED NC FDS
Product references for wireless communication		ELULED NC W	ELULED NC W
Battery types		NiCd (SC, D cells) NiMH (LA, A cells) LFP (1x, 2x18650 cells)	

¹⁾ other values upon request
²⁾ 8 h upon request

Operation range in maintained mode



Selftest

- Selftest as per IEC 62034
- Bi-colour LED status display
- Battery status
- LED module status
- Charging cycle

Batteries

- High temperature cells 5 – 50 °C
- NiCd / NiMH / LFP batteries consisting of SC, D / LA, AA / 18650 cells
- Charging time 24 h
- Battery regeneration for capacity optimisation
- See battery data sheets for details

Certification marks

- CE
- SELV



Safety

- Protection classes I and II
- Protection type IP20
- SELV

Standards

- EN 60598-2-22
- EN 61347-2-7
- EN 61347-2-13
- EN 62386
- EN 62034
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- Suitable in installations conforming to VDE 0108 oder EN 50172

All information is supplied without liability. Technical data subject to change without notice.