SWISS EMERGENCY LIGHTING POWER

ABOUT US

Lampec AG is a Swiss sales organisation committed to serving its customers with electronic components for emergency lighting in a very flexible and customer-oriented manner. We're powered by Sander Elektronik, the Swiss emergency lighting experts with a 45-year track record and have the backing of an international group.

Our product range is among the broadest in the industry and encompasses intelligent standard and bespoke special solutions for best-practice results in each application. Our flexibility, broad expertise and solution-oriented approach make us a competent and valuable partner.

We think
CREATIVELY

We stand for
INNOVATION

We provide
QUALITY

And we deliver
ON TIME

EMERGENCY LIGHTING MODULES

Lampec offers a wide range of emergency lighting modules to power the latest LED arrays or more traditional fluorescent lamps. From standard units to self-test and DALI compatible modules, all our electronic solutions are backed by our 5-year warranty (all batteries supplied include a 12-month warranty).

The embedded microprocessor control circuits automatically adjust charge and output current to meet battery and load, ensuring constant illumination continues at maximum efficiency for the entire emergency duration.

To meet specific operational needs, there is a variety of battery options available, including NiCd, NiMH and $LiFePO_4$. Each module also includes an LED status indicator.

All modules comply with harmonized European standards and are supported by a 5-year warranty, providing complete confidence that Lampec products are the best choice for professional lighting manufacturers.

SELECTION

Self-Testing Emergency Lighting Units for LED Luminaire Conversion

	Emergency Conversion Units (EMCU) battery outside the housing				Emergency Conversion Boxes (EM BOX) battery inside the housing		
LED module voltage	min. 12 V max. 55 V[1]	min. 20 V max. 105 V[2]	min. 100 V max. 220 V	min. 100 V max. 300 V	min. 12 V max. 55 V	min. 20 V max. 105 V	min. 100 V max. 220 V
maximum output voltage (with faulty or disconnected LED array)	60 V	120 V[3]	300 V	370 V	60 V	120 V	300 V
SELV	touchable LEDs	isolated LEDs	non-SELV	non-SELV	touchable LEDs	isolated LEDs	non-SELV
device types with plastic housings for class I or class II luminaires	EMCU TS 55V	EMCU TS 105V	EMCU TS 220V	-	EM BOX MS 55V	EM BOX MS 105V	EM BOX MS 220V
device types with metal housings for class I luminaires	EMCU FS 50V EMCU KS 55V EMCU WS 55V	EMCU FS 130V EMCU KS 105V EMCU WS 105V	EMCU FS 220V EMCU KS 220V EMCU WS 220V	EMCU HS 300V (for LED tubes)	-	-	-
device types for DALI installations	EMCU FDS 50V EMCU TDS 55V EMCU WDS 55V	EMCU FDS 130V EMCU TDS 105V EMCU WDS 105V	EMCU FDS 220V EMCU TDS 220V EMCU WDS 220V	-	EM BOX MDS 55V	EM BOX MDS 105V	EM BOX MDS 220V
device types for wireless communication	EMCU FSx 50V EMCU TSx 55V EMCU WSx 55V	EMCU FSx 130V EMCU TSx 105V EMCU WSx 105V	EMCU FSx 220V EMCU TSx 220V EMCU WSx 220V	-	EM BOX MSx 55V	EM BOX MSx 105V	EM BOX MSx 220V
batteries	NiCd (SC, D cells) | NiMH (LA, AA cells) | LiFePO₄ (18650 cells)						
battery regeneration	EMCU KS 55V EMCU TS 55V EMCU WS 55V	EMCU KS 105V EMCU TS 105V EMCU WS 105V	EMCU KS 220V EMCU TS 220V EMCU WS 220V	-	EM BOX MS 55V	EM BOX MS 105V	EM BOX MS 220V
notes	1) EMCU FS = 50 V | 2) EMCU FS = 130 V | 3) EMCU FS = 150 V						

Self-Testing Emergency Lighting Units with Integrated LED Driver

	ELULED S 1-3		ELULED NC		ELULED S 2-17W	
LED module voltage (mains operation)	min. 3 V max. 8 V	min. 3 V max. 12 V	min. 2,8 V max. 7,6 V	min. 2,8 V max. 13,5 V	min. 9 V max. 25 V	min. 9 V max. 25 V
LED module current (mains operation)	700 mA (Jumper off)	350 mA (Jumper on)	700 mA[1]	350 mA[1]	350 mA (Jumper on)[1] 700 mA (Jumper off)[1]	350 mA (Jumper on)[1] 700 mA (Jumper off)[1]
output power (mains operation)	2,1 - 5,6 W	1,05 - 4,3 W	max. 5 W	max. 5 W	2 - 17 W	2 - 17 W
emergency operation duration	3 h	8 h	3 h[2]	3 h[2]	3 h	8 h
output power (emerg. operation) NiCd/NiMH 2.4V-1.8Ah batteries	0,5 W	-	0,5 W	0,5 W	0,5 W	-
output power (emerg. operation) NiCd/NiMH 2.4V-4/4.5Ah batteries	1,2 W	0,35 W	1,2 W	1,2 W	1,2 W	0,35 W
SELV	☑	☑	☑	☑	☑	☑
device types with plastics housings for class I or class II light fittings	-	-	ELULED NC	ELULED NC	-	-
device types with metal housings for class I light fittings	ELULED S 1-3 H ELULED S 1-3 F	ELULED S 1-3 H ELULED S 1-3 F	-	-	ELULED S 2-17W	ELULED S 2-17W
device types for DALI installations	-	-	ELULED NC FDS	ELULED NC FDS	ELULED FDS 2-17W	ELULED FDS 2-17W
device types for wireless communication	-	-	ELULED NC SFx[3] ELULED NC SFi	ELULED NC SFx[3] ELULED NC SFi		
batteries	NiCd (SC, D cells) | NiMH (LA, AA cells)		NiCd (SC, D cells) | NiMH (LA, AA cells) LiFePO₄ (1x, 2x or 3x18650 cells)		NiCd (SC, D cells) | NiMH (LA, AA cells)	
battery regeneration	-	-	☑	☑	-	-
notes	1) other values upon request | 2) 8 h upon request | 3) SFx = external aerial, SFi = internal aerial					

REMOTE EMERGENCY BOXES

Lampec remote emergency boxes for LED panels and downlights are an effective solution for converting mains luminaires to emergency lighting operation. Offering the perfect combination of quality and value, we've boxed up the latest innovations with guaranteed reliability and 100 % compliance.

A microprocessor automatically adjusts the output of the LED current to match the battery and LED load, providing maximum illumination while ensuring full operation.

Under normal mains operation the LED is supplied by the existing mains LED driver. However, under emergency operation the LED will be powered from the battery in the remote box.

The remote emergency kit can be supplied with Nickel-Cadmium (NiCd), Nickel-Metal Hydride (NiMH) or Lithium-Iron-Phosphate (LiFePO$_4$) batteries and comes complete with a green LED status indicator and ceiling bezel. Plug and socket connectors can also be supplied to clients' specifications.

With 100 % compliance to harmonized European standards and backed up by a 5-year warranty (all batteries supplied include a 12-month warranty), Lampec remote boxes achieve the perfect balance of quality and value.

EMERGENCY DOWNLIGHT

The Lampec emergency downlight range is the ideal solution for escape routes and open areas in commercial, industrial and public spaces where discreet emergency lighting is required.

A microprocessor adjusts the output current to match the battery and LED load, providing constant power output and ensuring optimal illumination during the full emergency operation duration.

Available with NiMH or LiFePO$_4$ single or two cell batteries, and open area or corridor lens variants, the range offers options to suit customer and application requirements.

With 100 % compliance to harmonized European standards and backed up by a 5-year warranty (all batteries supplied include a 12-month warranty), the Lampec downlight range is an unobtrusive and easy-to-install emergency luminaire.

BATTERIES

Lampec high-temperature batteries are specifically selected and tested for use with self-contained emergency lighting.

NiCd (SC or D cells): A tried and tested technology, these cells provide a combination of reliability and value.

NiMH (LA or AA cells): With eco-friendly credentials and a more compact size, these cells are suitable for use in smaller enclosures whilst still benefitting from reliability and value.

LiFePO$_4$ (18650 cells): The very latest technology at the forefront of battery science. These cells are becoming widely accepted as a perfect solution for emergency lighting applications. Even more compact than either NiCd or NiMH and provided with protective circuitry to ensure safe and reliable operation.

WE ARE PART OF THE
POLYNOM GROUP

polynom ag

Bringing together some of the leading names in European emergency lighting, the Swiss polynom group ensures a strong financial backing and enables a powerful synergy for and between the group companies. As a forward-thinking group, polynom is dedicated to transforming a traditional industry by investing further in innovative technologies and products, focussed on customer needs and expectations.

Sander Elektronik AG

Based near Zürich, Switzerland, Sander Elektronik AG develops and manufactures high quality emergency lighting products in an ISO 9001 environment. With an output approaching half a million modules per year from its highly automated production facility, Sander has been producing state-of-the-art components for more than 45 years.

P4 Limited

Recognised as one of the UK's leading 'full service' providers of self-testing emergency lighting systems, P4 have been designing and manufacturing self-testing emergency lighting for almost 30 years.

Luxbox Lighting Technology Limited

Primarily active in the UK and Ireland market, Luxbox distributes emergency lighting components to the lighting industry. Luxbox encourage customers to think about what's inside the box, and to strive for compliance to the latest safety standards.

Local distributor:

www.lampec-swiss.ch

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