



PEW Electrical
Distributors



Plus LED Shaft Lighting System

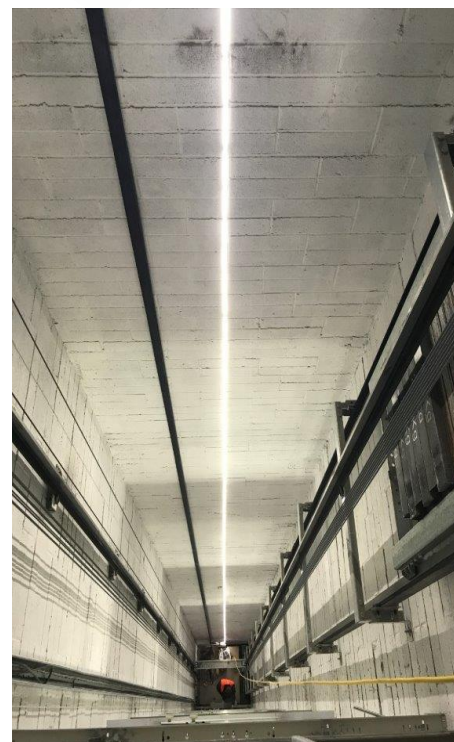
with integrated emergency lighting

A patented high performance LED shaft lighting system complete with emergency feature and quick installation method. In compliance with EN81-20 and meeting CE, RoHS and REACH manufacturing guidelines.

Featuring 120 LEDs per metre, the **Plus LED** light band incorporates both Main and Emergency electrical circuits in one housing. Under emergency conditions, the Control Box powers 12 LEDs per metre, providing continued safe illumination for operatives.

Easy-to-order PEW codes **953**** (where ** is strip length in metres) and Control Box code **90000** (for emergency lighting back-up)

NOTE: Maximum length 70 metres and shaft floor plan area of 16m²



Normal operation



Emergency operation

Benefits

Deployment of high performance LED components

- high degree of illumination
- reduced power consumption
- low generation of heat
- increased service life

Emergency lighting in the entire shaft from a continuous LED light band

- considerable increase in security for maintenance personnel
- uniform illumination of the shaft even under emergency conditions

Neutral colour temperature

- natural colour rendering of all components in the shaft

System-optimised shaft lighting Control Box

- emergency power supply is independent of the elevator control unit
- easy installation for retrofit, modernisation and new installation projects

NOW INCLUDES A SHORTENING KIT FOR ONSITE CUTTING & MAINTAIN YOUR WARRANTY*

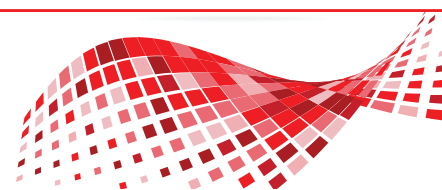
* by strictly following shortening instructions

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Plus LED Shaft Lighting System

with integrated emergency lighting



Install Kit

The 953** LED light band is pre-wired and sealed to a 5mtr feed cable, with loose wires for connecting to the Control Box (90000 - ordered separately). 6mm Dowels are also included to hang the light band from the shaft wall.

Note: supply cable into mains / emergency box and into switches not included.

Control Box

The Control Box contains the rechargeable battery for the emergency light power supply, the charging unit and the necessary electronic system to switch on the emergency light in case of a power failure.

The Control Box continuously monitors the main power supply during operation and will switch immediately to the emergency light in case of a power failure. The maximum conservation time of the emergency light depends on the length of the **Plus LED** strip.



Control Box (PEW code 90000)

Accessories

Engraved Shaft Lighting Switch (PEW code VI3591/SL)

30mtr Pull Cord Switch (PEW code K3192/30)

Technical data	Plus LED Shaft Lighting System
Input power shaft- / emergency light (optional)	230 – 240 VAC / 24 (12) VDC
Configuration shaft- / emergency light	108 / 12 LEDs per meter
Angle of the illumination (50 lx-width)	> 160 degree
Colour temperature	approx. 5,000 K
Service life (mttf) at $T_{en} = 25\text{ °C}$	approx. 50,000 hours
Average vertical illumination (1 m-distance) shaft- / emergency light	> 300 lx / 35 lx
Maximum length	60 m, divisible in meters
Operation temperature	-20 °C to +50 °C
Power consumption shaft- / emergency light	< 8 / 0.8 W per meter
Dimension (width x height)	approx. 22 x 9 mm
Weight	< 210 g/m
Safety class / degree of protection	IP65 / 2
Burning characteristics	self extinguishing
Pre-fuse shaft-lighting	6 to 16 A