

MEMCO LED ELEVATOR LIGHTING



PRODUCT INFORMATION SHEET

INTRODUCTION

Memco's emergency LED elevator lighting system is a tailor-made, plug & play solution for use in both new installations and modernisation programmes. The system is housed in a robust controller box and is supplied pre-wired for up to 6 LEDs (2 min).

LED lighting runs for 50,000 hours and is a modern, cost-effective alternative to incandescent or fluorescent lighting which use 90% more power. The light quality is brighter and superior, giving an exceptional look.

LEDs have 25 times the lifespan of a 2,000-hour halogen lamp and therefore require less service visits than any other type of lighting, saving money on engineer calls.

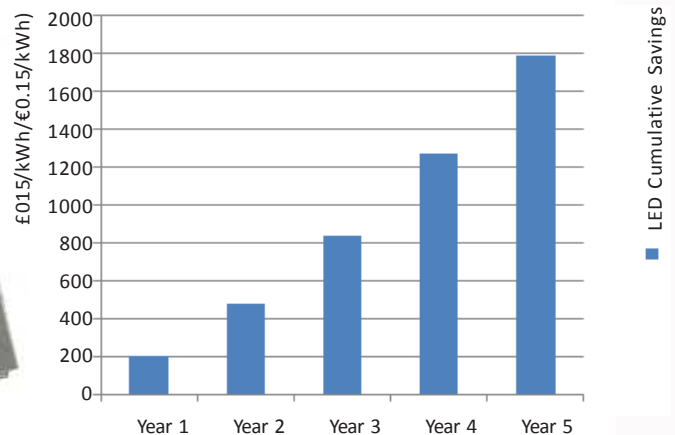
We offer 2 models including a premium eco-friendly option with PIR feature which switches off when the lift is not occupied to save energy, and a dimmable feature to allow the user to adjust the level of lighting within the elevator.



Features & Benefits:

- Energy efficient
- Brighter lighting - increased safety & visibility
- Dimmable feature: lower intensity for spas and hotels, higher for hospitals and clinics
- Emergency lighting in the event of a power failure
- Battery back-up of 120 minutes
- Reduced heat output, no UV light emitted
- Plug & play system

Halogen vs LED



Usage: 1 Elevator with 4 LEDs illuminated for 10 hours/day, 52 weeks/year.
Energy Cost Source: <http://www.energy.eu/>

MODEL RANGE

The range consists of two model types:

Part Nos.	Feature Options		
	PIR Detection	Power Save Mode	Adjustable Light Intensity
B100 200	✓	✓	✓
B100 250	✗	✗	✓

12V LED Light Fixture and Housing, 30° lens, colour temperature 5,000 - 7,000k. Lamp is 3 x 1W Cree LEDs. Order quantity req'd (min 2).
 B100 033 Cool white, silver finish
 B100 034 Cool white, white finish
 B100 035 Warm white, white finish (colour temp 2000 - 3500k)

B100 880-01 Spur box, mains connected 230V AC, with 0.5m cable.

B100 880-02 Replacement battery.



SPECIFICATIONS

Emergency Light	120 mins @ 350mA load
Ambient Operating Temperature	+40°C maximum
Battery Back-up System	3.6V ±5% Cell, 4.5Ah NiCad, 3W max. load, 200mA charge current
Battery Part No. B100 880-02	3.6V NiCad, 3-cell stick. Complies with IEC598. The battery is required to be fully charged for 24 hours to enable the Emergency Light to reach 2-hr maximum backup
Battery Replacement	3 years
Environmental	IP50 2006/95/EC 2 credits BREEAM rating RoHS, CE
PSU – 12V output	216-264V AC Input, short circuit, over current and over voltage protection
PIR Detection	Range: 2.5m Angle: 80 degrees Light on time: 10secs to 3mins approx
Light Intensity	User-adjustable light output
Lux Rating (per lamp)	Cool white 530 lux at 2m; 330 lux at 2.5m; 200 lumens output Warm white 400 lux at 2m; 250 lux at 2.5m; 160 lumens output
Charging Status	LED Indication
Mechanical	280x135x54mm, Galvanised Steel enclosure
Electrical	Mains Voltage Input: 216-264V AC, 50mA, 50Hz Output: 12V DC nominal Load: 2.5A Max.
Vibration	BS EN 60068-2-64:1995 Test Fh (random vibration) BS EN 60068-2-6:1996 Test Fc (sinusoidal vibration)
EMC	Emissions EN12015:2004 Immunity EN12016:2004

This product is designed for use in elevators with powered automatic doors where the closing force is 25N/mm or less as per EN81 requirements. It should be installed by qualified personnel only, therefore any use outside of this application is at the installer's own risk and should be assessed appropriately.

As a result of our policy of continual improvement, the information in this document is subject to change without notice and it is intended only as general guidance on product performance and suitability. This information shall not form part of any contract.



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