



Elevator Equipment Limited



LIGHT SABER

LED SHAFT LIGHTING SYSTEM – EN81-20

INNOVATION NOT IMITATION!!!!



Elevator Equipment Limited

Light Saber LED shaft lighting system is the first LED tube lighting system with built-in emergency back up and plug & play connection. All you need to do is connect our control unit to power. Light Saber is the perfect solution for all your shaft lighting needs and fully complies with EN81-20. In normal operation our Light Saber LED shaft lighting exceeds 100 lux and in emergency operation exceeds 10 lux throughout the lift shaft. It comes with two way switch from machine room to pit, with built-in pit socket, all in one run from top to bottom. Optional three way switching for lift car top available. With its ultra fast installation and light weight design, this system can be installed by one engineer.

The next generation LED Shaft lighting system has arrived !!!!

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Features:

230V & 12V Operation.

Three Hour Emergency Back Up.

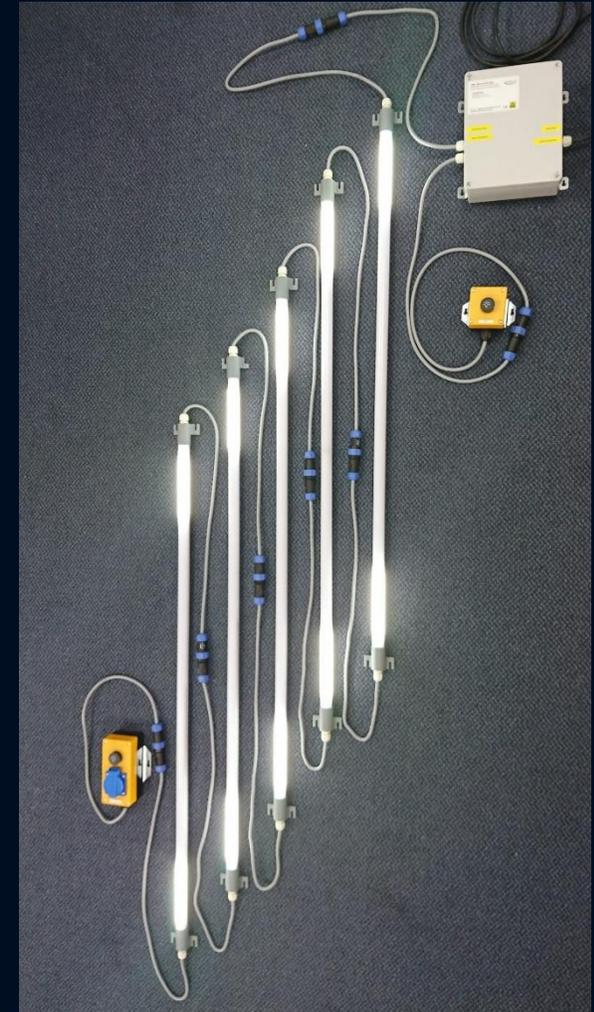
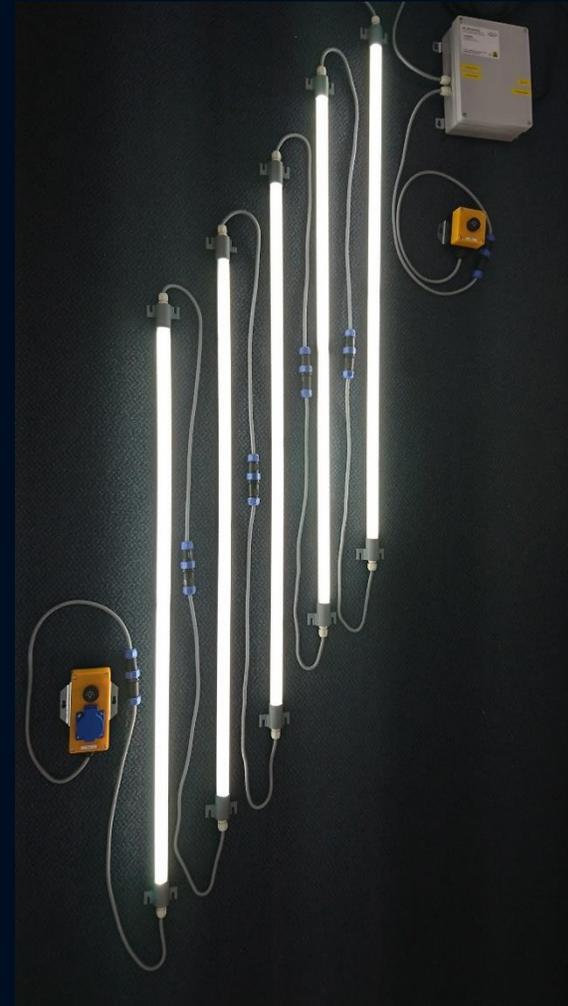
Normal Operation LED Light Exceeds 100 Lux.

Emergency Operation LED Light Exceeds 15 Lux.

High Efficiency LEDs 150 Lumen/Watt.

IP65 Boxes.

Weatherproof Connection.



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Technical Specification:

- Power Supply: 230VAC 50 Hz.
- Battery Type: Sealed Lead Acid Type 12V/3.2Ah.
- Battery Charger Type: 2 Step Bulk Charge.
- Power Consumption: 10W Peak (Bulk Charging), 2.5W (Standby).
- Battery Backup Load: Up to 5A at 12VDC.
- Socket AC Load: Up to 1KW.
- Operation Temperature: 0-80°C.
- Operation Humidity: 10-80% (Non Condensing).
- Colour Temperature: 6000K
- IP Protection: IP64
- Lifetime: 50,000 hours estimated.
- LED Light Tune: 120 wide lighting angle.

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Installation:

Safety Warning:

All Installation's to be carried out by a qualified electrician or other competent person only.

It is dangerous to alter specification or modify the product in any way.

Never install the lighting under live conditions.

Power supply voltage 230VAC.

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Installation:



Only use correct power tools and hand tools for the rawlplugs and screws within the installation packs.

Firstly identify a suitable location to install this system by carrying out assessment of the area to which this system will be installed. The area must be suitable for the application and be free from any water or damp.

Start by installing the Control Unit and Machine Room Shaft Lighting Switch with the lift machine room in a suitable position.

Connect the power cable from the control unit to a suitable supply, 230VAC – **Do not switch the power on until all connections are made.**

Install all the lighting tubes from top to bottom starting at 50cm from the headroom ceiling and finishing 50cm from the pit floor.

Once the last light tube has been installed, connect the Pit Switch/Socket and install in a suitable location within the lift pit area.

Three way switching option to be connected directly to the control unit if required.

Before power is switched on, please connect the emergency battery within the control unit.

Allow 24 hours charging time before you test the emergency back up system.

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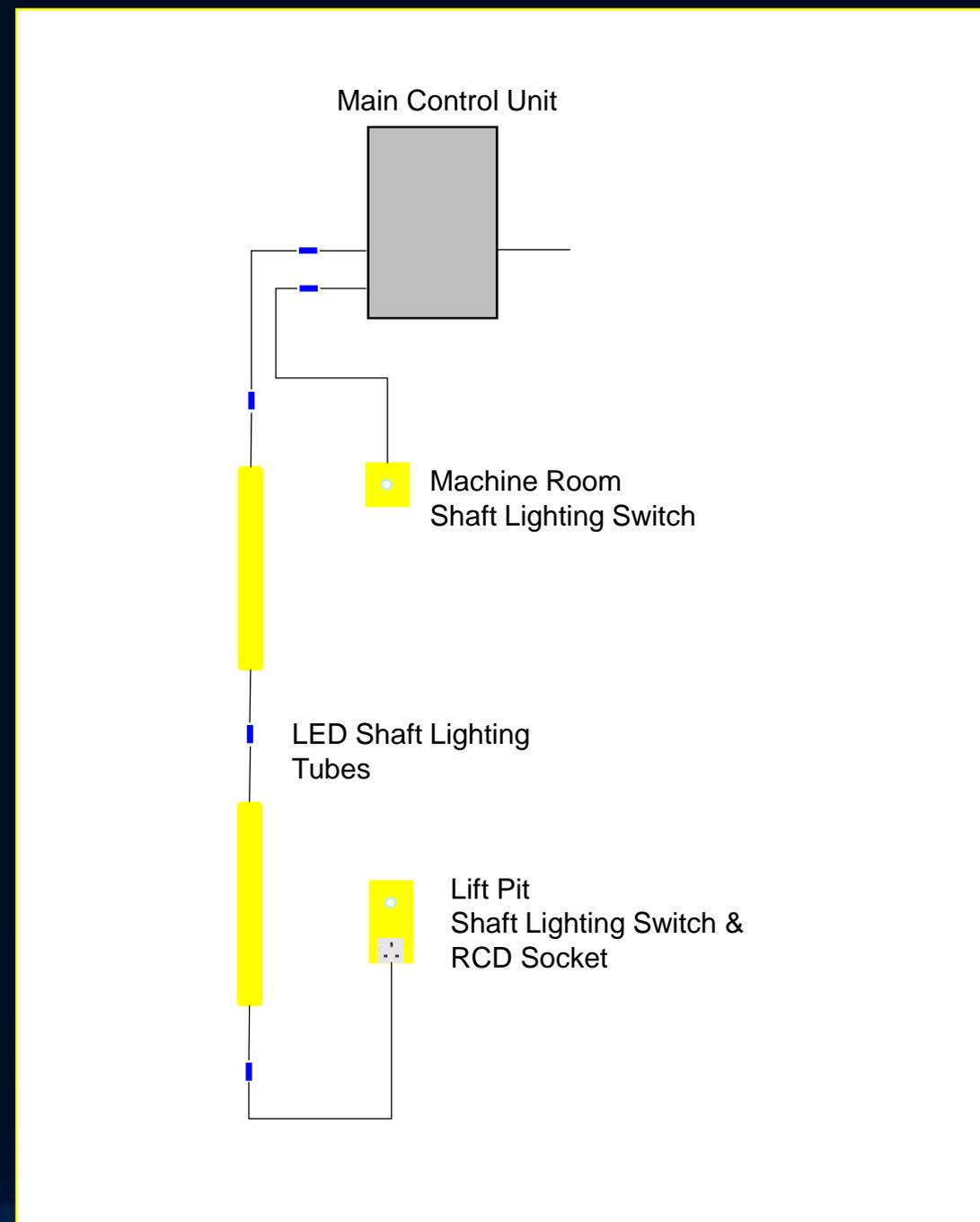
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Layout Drawing:

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