# Fire escape safety sign
EN7010
FE LED signslot

Conforming to ISO standard (soon to be European Norm EN7010), the FE LED Signslot comprises a silver anodised aluminium 30mm diameter ceiling mounted Signslot with 100mm drop rods or a wall mounted option, supporting an 8mm thick silica acrylic (glass look) panel with laser engraved and printed graphics.

Complete with a minimum 5 hour emergency battery back up and green LED charge indicator.

Driver & Battery
Back - up unit

30mm

250mm

120mm

50mm
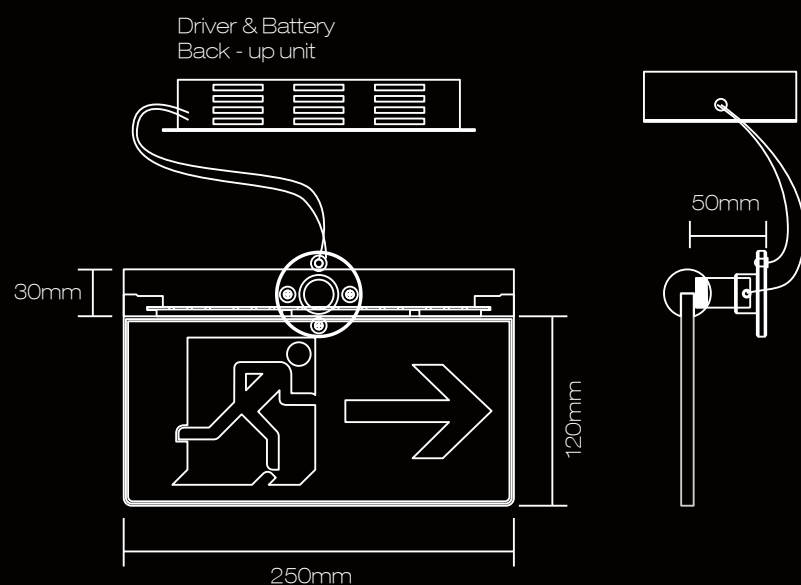
Technical specification for emergency LED power supply

The emergency kit includes driver and battery backup. Emergency kits are designed for low voltage LED's

The module accommodates:

- Non-maintained power failure mode:
  LED's illuminating only in event of power failure.

- Maintained mode:
  LED's illuminated permanently by driver, but in event of power failure become battery maintained.

Emergency conversion kit is made in accordance with safety directive UE/ PE-EN61347-2-7.

To meet the safety requirements modules are equipped with:

- Electronic battery charging control system:
  Controls the power level of the batteries. Prevents overcharging and maximises battery life.

- Electronic battery discharge control system:
  Controlling the discharge of power from the batteries to maintain constant illumination during discharge and to maximise battery life.

- Automatic switch control system:
  automatic power switch to battery maintained mode in event of power failure.

- Visual LED system:
  Indicates the presence of power and charging process.

Conforms to EU standards:
Safety - PN-EN 61347-2-7
Disturbance elimination - PN-EN 55015
Resistance for disturbance - PN-EN 61547
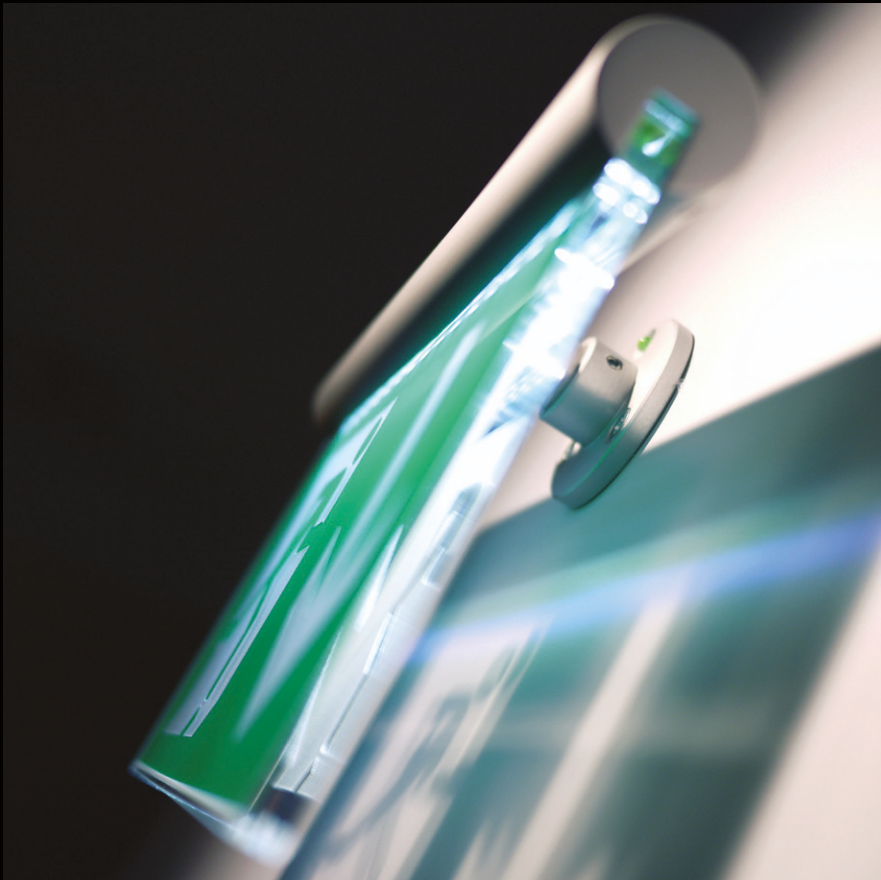
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IP protection	IP20
Input voltage	AC 230V/50Hz
Output voltage	DC12V
Maximum loud output	0.25A
Power consumption from the battery	max 1A
Frequency	20-40 kHz
Reaction time in event of power failure	0,1s
Battery nominal voltage	7,2V
Capacity of battery	2,5Ah
Type of battery	Ni-Cd HT, Ni-MH HT
Durability of battery	4 years
First charging and full readiness to work	24hrs
Battery back up	5hrs
Maximum work temperature	70°C
Normal temperature work	5°C-50°C
Dimensions L/W/H	200/72/60mm

LED module

Stabilized output	Voltage output	Outside power supply
Yes	12V	No

Maximum loud output I-Max	Work time	Battery type
0,25A	5hrs	7,2V/2500mAh

Driver connection

LED Driver
LED Tail
5hr Battery

Earth
N
L
Feed in
LED Driver
B B L+ L- D+ D-

Charging LED

Black to L-
Connect to LED's (sign)

Black/Red to L+
Link for maintained-
Remove link for non-maintained
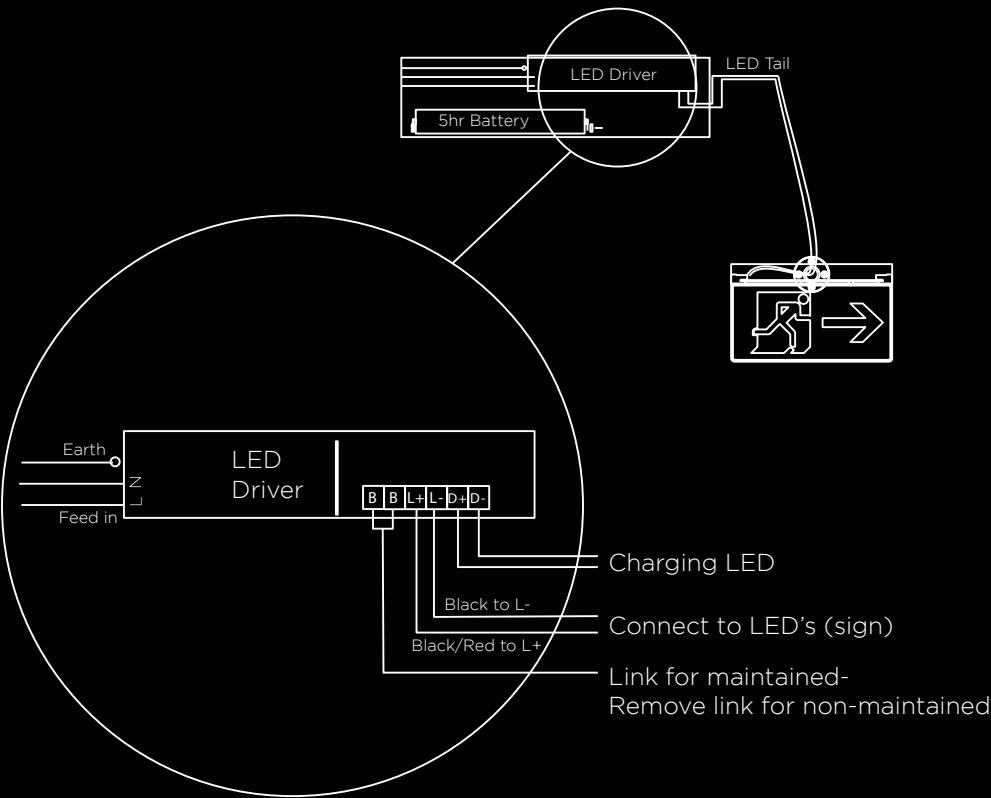
Charging LED - to be wired into LED Driver D+ & D-
LED Wire - to be wired into the LED Driver L+ & L-
Earth Wire - attach to the LED Driver fixing screw
240v supply to be wired to LED Driver L & N