



GEORGIA
HEALTHCARE
GROUP
Tbilisi / Georgia

SUNSTONE HOSPITAL EMERGENCY EXIT SIGNS & EMERGENCY LIGHTING LUMINARIES SYSTEMS INSTALLATION EVEX-SUNSTONE-KAR-MTL-004



MATERIAL LIST & TECHNICAL SPECIFICATION

1) Emergency Lighting Fixture

250 Ea.

Purpose	: Illuminating egress routes during power cut
Type	: Automatically turn on during power cut
Light Type	: Halogen Lamp
Bulb	: 2 Ea. (Adjustable Head)
Operation Time	: min 90 minutes
Power	: 2x18W or 2x20W
Assembly	: Wall mounted or portable (As shown in the example)
Battery	: - Maintenance Free, Leak-Proof (Manufacturer and Date specified) - Lead-Acid or Ni-Cd
Power Unit	: 220 VAC, 50 Hz.
Protection	: IP 44 or NEMA 4
Gauges	: Electric Supply, Battery Charging, Low Battery Indicator
Operation	: Temp 0°C - 40°C, Humidity %20 - 80
Control	: On/off and Test Buttons
Accessories	: - Fittings for wall installation - Power Cable and Grounded Plug
Approval	: EN 60598-2-22
Spare	: 12 Ea. Additional excluded



2) Emergency Lighting Fixture

17 Ea.

<i>ditto, but</i>	
Protection	: IP65

3) Emergency Lighting Fixture

120 Ea.

Purpose	: Illuminating egress routes during power cut
Type	: Always on or automatically turn on during power cut
Light Type	: Led (Adjustable Direction)
Operation Time	: min 90 minutes
Power	: 4W - 6W
Assembly	: False Ceiling Mounted
Battery	: - Maintenance Free, Leak-Proof (Manufacturer and Date specified) - Lead-Acid or Ni-Cd
Power Unit	: 220 VAC, 50 Hz.
Protection	: IP 44 or NEMA 4
Gauges	: Electric Supply, Battery Charging, Low Battery Indicator
Operation	: Temp 0°C - 40°C, Humidity %20 - 80
Control	: On/off and Test Buttons
Accessories	: - Fittings for ceiling installation - Power Cable and Grounded Plug
Approval	: UL Listed
Spare	: 9 Ea. Additional excluded



4) Emergency Exit Sign

190 Ea.



Purpose	: Directing outside in emergency
Type	: Always on
Sign Name	: "Wall Type Go Straight Sign"
Assembly	: Wall Mounted (above door)
Sign Type	: Single Side
Material	: Aluminium body, Electrostatic white color painted
Sign Height	: min 150 mm
Assembly Height	: 200-240 cm
Illumination	: LED Strip
Illumination on the Sign	: min 2 cd/m²
Operation Time	: min 90 minutes (during power cut)
Battery	: NiCd, High Temp (Industrial Type)
Power Supply	: 220 VAC, 50 Hz.
Pictogram Standard	: ISO 3864-1
Spare	: 8 Ea. Additional excluded



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5) Emergency Exit Sign
ditto, but

25 Ea.



Sign Name : Wall Type "Final Exit Sign" without arrow
Sign Type : Single Side
Spare : 2 Ea. Additional excluded

6) Emergency Exit Sign
ditto, but

70 Ea.



Sign Name : Ceiling Type "Turn Sign" with arrow
Sign Type : Double Side
Assembly : Ceiling Mounted
Spare : 6 Ea. Additional excluded

7) 3x2.5mm² NHXMH- Cable and Installation 7500 m.
Type : Halogenfree, Multi strand copper wire
Cross Section : 2.5mm²
Fire Resistance : Minimum FE60
Temperature Range : -10° C / +80° C
Insulation : Silicone-based or doped polymer materials with similar qualities
Approval : EN or DIN or VDS Approvals

8) Cable Tray 3000 m.
Dimension : 100mm or suitable for the cable used, with cover
Material : Doped Polymer PVC
Other Features : - Flame retardant, non-flammable, halogenfree
- With cover, double cable channel
Accessories : With all kinds of flat bends, inside/outside risers, tee kits etc.
Approval : EN or DIN or VDS Approvals

9) Circuit Breaker, 6A 75 Ea.
Type : Type B
Rated Current : 6 A
Accessories : With mounting box and apparatus if required
Approval : EN or DIN or VDS Approvals

10) Earthed Socket Outlet (Surface or Recessed Mounted) 254 Ea.
Type : In a form suitable for where it is mounted
Rated Current : 20 A, earthed, with copper conductor
Approval : EN or DIN or VDS Approvals

General Notes:

- All quantities to be verified from the drawings, considering site conditions and contingency.
- All wiring, conduits, plugs, switches and boards and minor components are excluded from material list and shall be determined during installation.

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