



Section Four:

Standby Emergency Lighting System


i. TubeSaver™TS Standby Lighting Power Package

ii. L-Galaxy™LED EXIT Series

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i . "TubeSaver" T5 Standby Lighting Power Package

"TubeSaver" T5 Standby Lighting Power Package	Product Code	Model Number	Product Description
	29116	TS / T5 / 1 / 14W / EMKT	T5 1*14W Standby Lighting Power Package (ballast, inverter and battery included)
	29117	TS / T5 / 1 / 28W / EMKT	T5 1*28W Standby Lighting Power Package (ballast, inverter and battery included)

Introduction:

Emergency lighting is important part of the facilities in a modern building and security assurance. When meeting with interrupt of the normal power supply, fire or power failure and other special circumstances, in order to ensure the safety of personnel evacuation and rescue work quickly, emergency lighting become very important. The products are used to provide centralized power supply for emergency lighting and lamps so as to ensure their normal work, under a fire or other emergency situations.

Remark:

Ballast in this product, can be any model of the series—"TubeSaver" T5 EC Electronic Ballast in our catalogue.

Inverter

Parameters:

Model Number	Lamp Type	Rated Voltage	Operating Frequency	Rated Frequency	Adjustable Output Range	Operating Temperature	Length	Width	Height	Hole Spacing
U1*14	I	220V	50Hz	50Hz	Unadjustable	10℃+50℃	130mm	41mm	32mm	122mm
U1*28	I	220V	50Hz	50Hz	Unadjustable	10℃+50℃	130mm	41mm	32mm	122mm

Standard: BS EN60598-2-22
BS 5266-1

Battery for 14W Set: C2500 (Sealed Rechargeable Ni-Cadmium Cylindrical Cell)

Features:

*Capacity is tested after charging 0.1C for 14 to 16 hours.

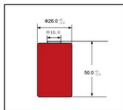
**Typical capacity and internal impedance are for reference.

***-delta V or dT/dt controlled (20mV or 1°C per min)

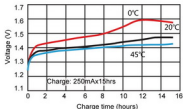
Technical Parameters:

Nominal Voltage		1.2V
Capacity*	0.2C Discharge	
	Minimum	2500 mAh
	Typical**	2650 mAh
Weight		68g
Typical Internal Impedance		12mΩ (After charge)
Charge	Standard	250mA x 15hrs
	Fast***	1250mA x 2.6hrs
Ambient Temperature	Standard charge	0°C - 45°C
	Fast charge	10°C - 40°C
	Discharge	-20°C - 60°C
	Storage	-20°C - 45°C

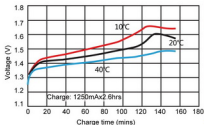
Dimensions (with tube):



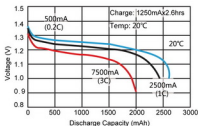
Standard charge characteristics:



Fast charge characteristics:



Discharge characteristics:



Battery for 28W Set: D4000 (Sealed Rechargeable Ni-Cadmium Cylindrical Cell)

Features:

*Capacity is tested after charging 0.1C for 16 hours.

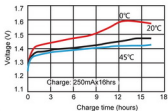
**Typical capacity and internal impedance are for reference.

***-delta V or dT/dt controlled (20mV or 1°C per min)

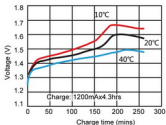
Technical Parameters:

Nominal Voltage		1.2V
Capacity*	0.2C Discharge	
	Minimum	4000 mAh
	Typical**	4150 mAh
Weight		118g
Typical Internal Impedance		11mΩ (After charge)
Charge	Standard	400mA x 16hrs
	Fast***	1200mA x 4.3hrs
Ambient Temperature	Standard charge	0°C - 45°C
	Fast charge	10°C - 40°C
	Discharge	-20°C - 60°C
	Storage	-20°C - 45°C

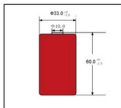
Standard charge characteristics:



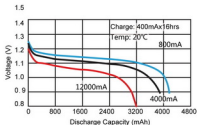
Fast charge characteristics:



Dimensions (with tube):



Discharge characteristics:

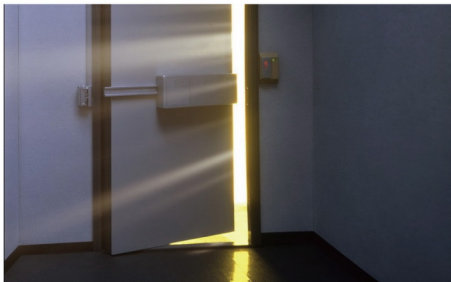
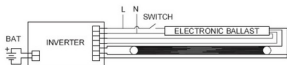


Standard:

EN61000-6-3:2007



EN61000-6-1,2007

Connection Diagram:



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ii. "L-Galaxy" LED EXIT Series

"L-Galaxy" LED EXIT Series	Product Code	Model Number	Product Description
	29110	GLX-EML-450mm	1.5 ft LED EXIT
	29111	GLX-EML-600mm	2 ft LED EXIT
	29112	GLX-HEML-450mm	1.5 ft LED EXIT
	29113	GLX-HEML-630mm	2 ft LED EXIT

Features:

• **Integrated with LED light source, L-Galaxy LED Exit Light, is your unique saving choice:**

- Housing: Fire-resistance PC and aluminium extruded sections.
- LED Light Source: high luminance, low power consumption, capable of frequent start-up.
- Chargeable. Power supply by AC or battery.
- Over-charge, over-discharge, over-current, over-voltage, short circuit, open circuit protected.
- Chargeable battery: Distinguished Non-corrosive Ni-Cd Battery, maintenance free.
- Huge capacity, charging time \leq 24h, 3h operation under emergency.

• **Advantages compared with traditional light source of fluorescent lamp and incandescent lamp:**



- Low energy consumption with satisfied energy saving performance, consume 50% less energy.
- Long life-span (twice as traditional light) and economical.
- Dramatically reduce maintenance.
- Higher efficacy.

Application:

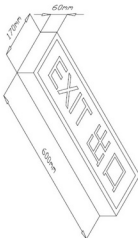
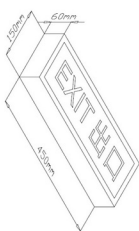
Widely used in shopping malls, office buildings, parks, exhibition halls, car parks and other public places as a guide sign.



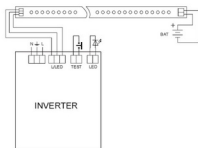
Technical Parameters:

Model Number	GLX-EML-450mm	GLX-EML-600mm
Type	Wall-mount, Single-face	Wall-mount, Single-face
Dimension	450(L)x60(W)x150(H)mm	600(L)x60(W)x170(H)mm
Operation temperature	-10-40℃	-10-40℃
legend		
Light Guide Panel	PC	PC
LED Information		
Color temperature of LED	6000-7000K	6000-7000K
led Lumen maintenance at 50 after first 10K hours	82-95 lm	82-95 lm
AC mode luminance on white color area	95 cd/m ²	82 cd/m ²
DC mode luminance on with color area	49 cd/m ²	45 cd/m ²
LED lamp (Diameter, Power)	Φ4.8; 0.06W	Φ4.8; 0.06W
Warranty (LED, control Unit)	3 yrs	3 yrs
Electrical Performance		
Input Voltage	AC 220V 50Hz	AC 220V 50Hz
Total system power including charger after battery is fully charged	≤3W	≤3W
System power factor	0.67-0.85	0.67-0.85
Battery recharge time	12 hrs	12 hrs
Min battery discharge duration	3 hrs	3 hrs
Min changeover time	≤1S	≤1S
Deep discharge shut down	with overdischarge protection, 2.8V	with overdischarge protection, 2.8V
Battery Information		
Battery	3.6V 2500mAh Ni-Cad	3.6V 2500mAh Ni-Cad
Battery Type	Ni-Cad	Ni-Cad
Warranty of battery	3 yrs	3 yrs

Dimension Diagram:



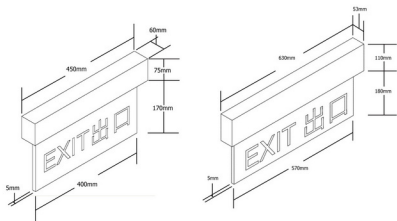
Connection Diagram:



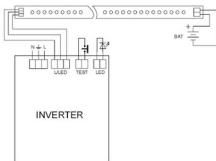
Technical Parameters:

Model	GLX-HEML-450mm	GLX-HEML-630mm
LED Board Dimension (mm)	400(L)x5(W)x170(H)mm	570(L)x5(W)x180(H)mm
Iron Plate Dimension (mm)	450(L)x60(W)x75(H)mm	630(L)x53(W)x110(H)mm
Lamp	LED Φ 4.8	LED Φ 4.8
Power Supply	AC 220V 50Hz	AC 220V 50Hz
Power Consumption	\leq 3W	\leq 3W
Battery Type	3.6V 2500mAh Ni-Cad	3.6V 2500mAh Ni-Cad
Discharge Duration	3 hrs	3 hrs
Recharge Period	12 hrs	12 hrs

Dimension Diagram:



Connection Diagram:



Standard: EN60598-1:2008+A11:2009
EN60598-2-22:1998+A1:2003+A2:2008
BS5266 - Part I
BS5499 - Part III
FSD PPA 104(A) 4th Revision
FSD Code of Practice Clause 5.10 Exit Sign