FIREscape EL-40

40m Exit Sign Frame

Features

- Complies with BS5266 for open areas
- Supports 2 lighting lines with 127 points per line
- Slim profile - only 100 mm deep
- Robust design.

Description

40m Emergency Exit Sign Frame (battery required). The cup features a bi-coloured status LED indicating charge/fault status (green for charging, red for fault). The frames require an exit sign lens (sold separately).

Specification				
Ordering code	EL-40			
Case colour	White (RAL 9003 “Signal White”)			
Case material	Fire resistant PC + ABS plastic (FR3010)			
Fire class	UL94 V-O			
Operation time	1 to 3 hours			
Dimensions (mm)	W 300 x H 125 x D 100 (inc. cup)			
Weight (g)	220			
Operating humidity	RH95% non-condensing			
Operating temperature	+ 10 °C to + 40 °C			
Storage temperature	- 30 °C to + 70 °C			
IP Rating	IP20			
Control gear type	Nepcon 7			
Control gear charge rating (min & max current)	5/40 mA			
Control gear charge rating (min & max voltage)	8.5 V			
Operating voltage (max.)	41 V			
Supply current (Amps)	30.5 mA			
Current consumption (charger set for 3h standby time (mA)) / Intensity	6.8 / 0	12.0 / 1	15.5 / 2	23.0 / 3
	30.5 / 4	36.5 / 5	42.0 / 6	46.0 / 7
Sleep mode	1 mA			
Energy consumption	0.4 W			
Tc Value (max. permissable temperature)	+ 45 °C at IC3/L1			
Open circuit voltage	8.7 V			
Max. working voltage (battery terminal & LED terminal) (Cl 35 61347 & Cl 21 61347)	U-OUT=10V			
Supply current from battery (D.C.)	80 mA			
Discharge rate	52 mA			
Battery voltage range	8.4 V to 6.0 V			
Battery discharge current	73 to 88 mA			

For further information visit our website

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Emergency output factor (EOF I) for LED control gear	1.6
Light source type & rated wattage	LED, 1 W
Supply conductors	0.8 mm^2
Compatible lenses	EL-40G-U(ISO), EL-20G-D, EL-20G-L, EL-20G-R, EL-40G-D, EL-40G-L, EL-40G-R
Compatible bases	YBN-R/3, YBN-R/3(WHT)
Approvals and markings	EL sign
Safety Information	Protection against electric shock relies upon luminaire enclosure. The luminaire (control gear) is supplied VY line voltage and/ or battery voltage. The luminaire (control gear) is only suitable for high risk areas when when controlling line voltage to device but high risk areas are excluded from scope of emergency lighting approvals. The luminaire is 'proof against voltage polarity reversal' (through diode bridge). No insulation used between supply and the battery circuit. During abnormal operating condition the recharging of battery is performed automatically. The control gear is not suitable for use only on battery supply not having trickle or intermittent re-charging. The controlgear is supplied form an internal power supply.

Luminaire Currents

Standby time				1 Hour		3 Hours				
Intensity	Led current [mA]	Luminance [Cd/ m2]	Average power consumption [W]	Max. Power consumption from line [mA]	Max. Power consumption [NU]	Max. Power consumption from line [mA]	Max. Power consumption [NU]	Avg. Current from battery	Min. Current from battery	Max. Current from battery
0	0	0.0	0.03	3.3	2	6.8	4			
1	8	0.3	0.19	8.5	5	12.0	7			
2	16	0.6	0.30	12.0	7	15.5	10			
3	32	1.3	0.53	19.5	12	23.0	14			
4	50	2.0	0.77	27.0	17	30.5	19			
5	60	2.4	0.95	33.0	20	36.5	23			
6	70	2.8	1.12	38.5	24	42.0	26			
7	80	3.2	1.25	42.5	26	46.0	29	80	80	80
Battery charge Current				5		15				
Energy @ 24h (mAh)				120		360				
Battery charging Voltage				8.5		8.5				
Charger cut off Voltage				8.45		8.45				
LED open circuit Voltage				8.5		8.5				

Photometric Data

None available