

Squarelite



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Emergency Luminaires
Surface Mount



General Specifications

Application	Anti-Panic Lighting, Escape Route lighting, Hazardous Area Lighting
Mounting	Surface mount
Type	Manual Test, Self Test, DALI2, Wireless, Central
Operating Mode	Non-maintained
Emergency Duration	Selectable 1/3 hours or 3/8 hours
Light Source	Single power led, 5000-6500K, CRI>70, max 280 Lumen
Lumen Output	Up to 240 Lumen
Battery	Li-FePO4, Ni-Cd, Ni-MH
Warranty	5 years (Li-FePO4 battery 3 years, Ni-Cd/ Ni-MH battery 1 year)

Technical Specifications

Supply Voltage	Li-FePO4: 220-240 Volt, 0/50-60 Hz, 0,03A, max 3W Ni-Cd/ Ni-MH: 230 Volt, 50-60 Hz, 0,03A, max 3W
Battery	Li-FePO4: 3.2 Volt , Ni-Cd/ Ni-MH: 3.6 Volt
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp (AT & DALI models)
Insulation	Class II
Protection	IP40
Temperature	Li-FePO4: ta 0 /+45°C, Ni-Cd/ Ni-MH: ta 5 /+40°C
Terminals	Up to 2x2,5mm ² quick fit terminal
Cable Entry	Top & side
Enclosure	White polycarbonate housing

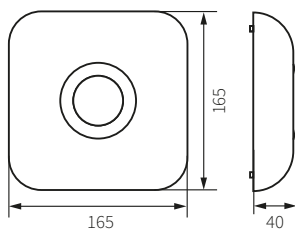
Li-FePO4 Batteries & Management

- Smart charge circuit
- Overcharge/ overdischarge protection
- Short/ open circuit protection
- Deep discharge protection
- High/Low temperature protection
- Polarity reversal protection by connector
- Up to 10 year design life

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62471
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

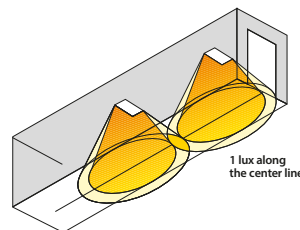
Dimensions (mm)



Ordering Details

Code Li-FePO4 Models	Lumen Output			Battery	Type
	1H	3H	8H		
SQL-10E-XX	210 Lm	90 Lm	-	3.2V-1.0Ah Li-FePO4	Manual Test
SQL-16E-XX	210 Lm	130 Lm	-	3.2V-1.6Ah Li-FePO4	
SQL-20E-XX	210 Lm	175 Lm	-	3.2V-2.0Ah Li-FePO4	
SQL-32E-XX	-	240 Lm	90 Lm	3.2V-3.8Ah Li-FePO4	
SQL-8E-XX	130 Lm	-	-	3.6V-0.8Ah Ni-Cd	
SQL-15E-XX	-	130 Lm	-	3.6V-1.5Ah Ni-Cd	
SQL-22E-XX	-	175 Lm	-	3.6V-2.2Ah Ni-MH	
SQL-10AT-XX	210 Lm	90 Lm	-	3.2V-1.0Ah Li-FePO4	Auto Test
SQL-16AT-XX	210 Lm	130 Lm	-	3.2V-1.6Ah Li-FePO4	
SQL-20AT-XX	210 Lm	175 Lm	-	3.2V-2.0Ah Li-FePO4	
SQL-32AT-XX	-	240 Lm	90 Lm	3.2V-3.8Ah Li-FePO4	
SQL-8ST-XX	130 Lm	-	-	3.6V-0.8Ah Ni-Cd	
SQL-15ST-XX	-	130 Lm	-	3.6V-1.5Ah Ni-Cd	
SQL-22ST-XX	-	175 Lm	-	3.6V-2.2Ah Ni-MH	
SQL-16DALI-XX	-	130 Lm	-	3.2V-1.6Ah Li-FePO4	DALI2
SQL-20DALI-XX	-	175 Lm	-	3.2V-2.0Ah Li-FePO4	
SQL-32DALI-XX	-	240 Lm	-	3.2V-3.8Ah Li-FePO4	DALI1
SQL-15DALI-XX	-	130 Lm	-	3.6V-1.5Ah Ni-Cd	
SQL-22DALI-XX	-	175 Lm	-	3.6V-2.2Ah Ni-MH	
SQL-16LUM-XX	-	130 Lm	-	3.2V-1.6Ah Li-FePO4	Wireless - Luminula
SQL-CBE-XX	-	240 Lm	-	-	Central Eco
SQL-CBDALI-XX	-	240 Lm	-	-	Central DALI2

Escape Route Lighting



Antipanic (Open Area) Lighting

