

ELD



ELD Emergency LED Drivers For LED Luminaires

General Specifications

- Self contained emergency lighting LED Drivers
- For luminaire installation
- For single power Led or parallel configured LED modules
- Eco, Auto-Test, DALI and closed protocol remote monitoring models
- Selectable non-maintained and maintained operation
- Switched live for switching the LED output
- Selectable emergency duration
- Nominal lifetime up to 100.000 h @ 40°C
- 5 years guarantee

Technical Specifications

Rated Supply Voltage: 220-240 Volt, 0/50-60 Hz

Charge Circuit: Smart charger circuit for Li-FePO4 battery

Charge Indicator: Green LED lamp

Fault Indicator: Red LED lamp

Emergency Duration: 1 or 3 hours

Operating Mode: Selectable Maintained / Non-maintained

Forward Voltage: 2.7 - 3.6 Volt

Max open circuit voltage: U-OUT 10 Volt (SELV)

Insulation Class: Class II

Protection Class: IP20

Temperature: ta -10/+45°C, tc 65°C

Terminals: 0.5 to 0,75mm² quick fit terminal block

Enclosure: White polycarbonate housing

Batteries & Management

- Li-FePO4 batteries
- Smart charge circuit
- Overcharge/ overdischarge protection
- Short/ open circuit protection
- Deep discharge protection
- Temperature protection
- Polarity reversal protection by connector
- Up to 10 year design life
- 3 years guarantee

Standards

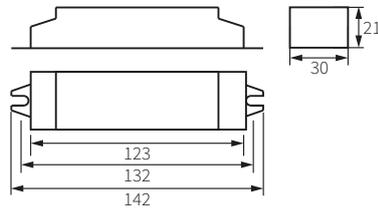
- EN 61347-1 (LVD)
- EN 61347-2-7 (LVD)
- EN 61347-2-13 (LVD)
- EN 62384 (Performance)
- EN 55015 (EMC)
- EN 61000-3-2 (EMC)
- EN 61000-3-3 (EMC)
- EN 61547 (EMC)
- According to EN 1838 (Emergency Lighting Application)
- According to EN 50172 (Emergency Lighting Application)
- According to EN 60598-2-22 (Luminaire)
- According to EN 62034 (Automatic Test)
- According to EN 62386 (DALI-2)



Ordering Details

Code	Type	Li-FePO4 Battery	Emergency Duration & Output Currents		
			1H	3H	8H
ELD10-E	Eco	3.2V - 1.0Ah	650mA	220 mA	-
ELD16-E		3.2V - 1.6Ah	650 mA	350mA	-
ELD20-E		3.2V - 2.0Ah	650 mA	450 mA	-
ELD32-E		3.2V - 3.2Ah	-	650 mA	250 mA
ELD10-AT	Auto-Test	3.2V - 1.0Ah	650mA	220 mA	-
ELD16-AT		3.2V - 1.6Ah	650 mA	350mA	-
ELD20-AT		3.2V - 2.0Ah	650 mA	450 mA	-
ELD32-AT		3.2V - 3.2Ah	-	650 mA	250 mA
ELD10-DALI	DALI-2	3.2V - 1.0Ah	650mA	220 mA	-
ELD16-DALI		3.2V - 1.6Ah	650 mA	350mA	-
ELD20-DALI		3.2V - 2.0Ah	650 mA	450 mA	-
ELD32-DALI		3.2V - 3.2Ah	-	650 mA	250 mA
ELD10-RM	Remote Monitoring	3.2V - 1.0Ah	650mA	220 mA	-
ELD16-RM		3.2V - 1.6Ah	650 mA	350mA	-
ELD20-RM		3.2V - 2.0Ah	650 mA	450 mA	-
ELD32-RM		3.2V - 3.2Ah	-	650 mA	250 mA

Dimensions (mm)



Wiring

