

ELS Series Self-Contained Emergency Lighting Unit

Incandescent

Zone 2 and 22
Gas (G) and Dust (D)

Applications

- Enclosed and gasketed, non-metallic emergency lighting system suitable for use where flammable gases, vapors or dusts may become present due to abnormal conditions defined as Zone 2 and 22.
- Typical applications include manufacturing plants, refineries, petrochemical and chemical plants, waste and sewage treatment facilities, food processing facilities and other industrial manufacturing or process facilities subject to wet or corrosive conditions.

Features

- Provides 90 minutes of emergency lighting.
- The electronics consists of a solid state charger, transfer circuit and low voltage disconnect circuit.
- A LED pilot light indicates the presence of AC line voltage, and a test switch is provided for testing transfer operation.
- Upon restoration of normal power, the charger will begin a recharge cycle. It will bring the battery to full capacity.
- 6 A fuse provided as standard.
- 12 Vdc, 10 W or 21 W incandescent lamps.
- Lamp base BA15D.
- Battery capacity 7 A/h.
- Connections on 2.5 mm² terminals.

Standard Materials

- Fiberglass reinforced polyester housing, carbon loaded for low resistivity
- Aluminium glass sealed spotlight

Certifications and Compliances

◆ ATEX Certification

• Certification Type: ELS

- Gas: Zone 2
 - Conforming to ATEX 94/9/CE: Ⓢ II 3 G
 - Type of Protection: Ex nAR II
 - Temperature class: T2
- Dust: Zone 22
 - Conforming to ATEX 94/9/CE: Ⓢ II 3 D
 - Type of Protection: Ex tD A22
 - Surface Temperature: T121 °C
 - Ambient Temperature: -20 °C to +55 °C
 - CE Declaration of Conformity: 50282
 - ATEX Certificate: LCIE 02 ATEX 6046
 - Index of Protection according EN/IEC 60529: IP66
 - Impact Resistance (shock): IK10 (housing)

◆ Others Certification

- INMETRO Certificate: BVC11.0643-X ①



2 Lamp Version — ELS 2100712A

① Inmetro certification available on special request only. Contact your local sales for more information

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2 x M20 entries at the top, supplied with one M20 polyamide cable gland [cable diameter 6.5 to 14.5 mm] and one M20 blanking plug.

Number of Lamps	Wattage W	Weight kg	Volume dm ³	Catalog Number	
				205–254 Vac, 50/60 Hz	110 – 120 Vac, 50/60 Hz
1	10 W	8.50	4.55	ELS1100712A	ELS1100712B
2	10 W	7.70	4.80	ELS2100712A	ELS2100712B
1	21 W	8.50	4.55	ELS1210712A	ELS1210712B
2	21 W	7.70	4.80	ELS2210712A	ELS2210712B

Dimensions in Millimeters (Inches)

