



ELPSM2 explosionproof LED emergency lighting systems

ELPSM2 LED emergency lighting systems are designed specifically for egress and emergency illumination in the most demanding harsh and hazardous environments.

Primary applications:

- To provide reliable illumination for egress areas during failure or interruption of power to the normal lighting system
- To illuminate machinery or panels during a loss of AC power
- In areas where flammable gases or vapors may become present due to abnormal, unusual or accidental conditions
- In manufacturing plants, refineries, petrochemical and chemical plants, waste and sewage treatment facilities, oil terminals, food processing facilities, breweries and other industrial manufacturing or process industry facilities subject to wet or corrosive conditions
- Where moisture, dirt, dust or corrosion will limit the life and reliability of ordinary emergency lighting systems
- Where required by the National Electrical Code®, the Life Safety Code® or other applicable codes
- In outdoor applications

Design features and benefits:

Copper-free aluminum enclosed, gasketed housing – Provides corrosion protection in the most extreme environments.

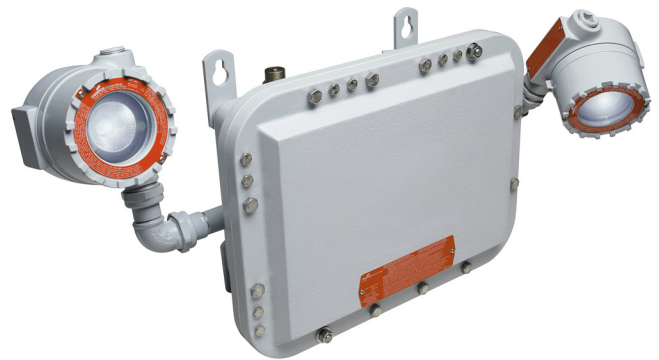
Durable LED lamp head assemblies – Provide protection against water ingress, corrosion and impact.

Nickel cadmium battery – High temperature rated nickel cadmium battery for reliable operation up to +40°C ambient.

Reduced maintenance costs – Self-test, monitoring and diagnostics reduce costly maintenance checks.

Remote mountable lamp heads – Lamp heads can be mounted independently from the enclosure, allowing you to focus light where you need it.

Solid state battery charger – Ensures long life and reliable battery operation. Prevents deep discharge by automatically disconnecting the battery from the luminaire.



Certifications and compliances

NEC and CEC:

- Class I, Division 1, Groups B, C, D
- Class II, Division 1, Groups E, F, G
- NEMA 3R

UL Standards:

- UL50E; UL844; UL924; UL1203; UL1598; UL8750

CSA Standard:

- CSA C22.2 No. 141-10; and CSA C22.2 No. 137

NFPA:

- Life Safety Code NFPA101® - Section 5-9 (Emergency Lighting)

Temperature rating:

Model	Class I & II, Division 1
ELPSM2 (all models)	T5

Note: ambient temperature at which the emergency system is rated is 0°C to +40°C. Operation at temperatures outside this range will affect the battery life and/or the charging performance.



Powering Business Worldwide

Additional specifications and ordering information

Electrical ratings:

Power supply:

- Input: 120–277 VAC, 50 or 60 Hz; 4 watts max.
- Output: 12 VDC

LED luminaire heads:

- Voltage: 12 VDC
- Lamp: 2 watt LED, 4 watt maximum
- Maximum 2 lamp heads

Standard materials:

Power supply and remote luminaire enclosure:

- Epoxy powder coated copper-free aluminum

LED lamp head assembly:

- Epoxy powder coated, aluminum

Exterior hardware:

- Stainless steel

Cover gasket:

- Neoprene

Part number example

ELPSM22EXSGBGN S794

ELPSM2 explosionproof emergency lighting system, (2) integral luminaires, single sided exit sign with green lettering, EVA luminaire, key operated external battery disconnect

ELPSM2	2	EXS	GB	GN	S794
Series		Integral exit sign			External battery disconnect switch
ELPSM2 Class I, Division 1 emergency luminaire		BLANK No integral exit sign			BLANK No external battery disconnect switch
		EXS* Single sided integral exit sign			S794 Key operated external battery disconnect switch
		EXD* Double sided integral exit sign			S854 Keyless external battery disconnect switch
		* Not UL or cUL listed.			
# of integral luminaires		Exit sign luminaire			Exit sign letter color*
0 No integral luminaires		BLANK Group C, D exit sign			BLANK Red lettering
2* (2) integral luminaires		GB Group B, C, D exit sign			GN Green lettering
* Two luminaires comprised of either two lampheads or one lamp head plus one exit sign lamp.		* Only applicable to assembly with EXS or EXD integral exit sign		* Only applicable to assembly with EXS or EXD integral exit sign	

Replacement accessories (ordered separately)

ELPSM2 K50 Replacement charging board and battery kit

Dimensions:

