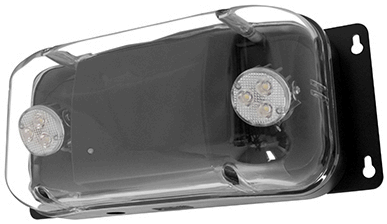
LED HAZARDOUS LOCATION EMERGENCY LIGHT | CLASS 1 DIVISION 2 | IP66 RATED | NEMA4X

Code: EL-C1D2-HO



The EL-C1D2-HO Series is not only ideal for wet locations, its durable design is also resistant to corrosive atmospheres and harsh environments.

Compatible Remote Head(s): RH-C1D2

FEATURES

- UL924, NFPA 101 Life Safety Code, NEC, OSHA, Local and State Codes
- IP66 rated for Ingree Protection
- Rated for Class 1, Division 2, Group A, B,C, & D
- UL Listed for Wet Locations
- 120-347VAC 50/60Hz
- Internal solid-state transfer switch
- Universal knockout pattern on back
- MR16 Base Style LED Lamps

WARRANTY INFORMATION

Any component that fails due to manufacturer's defect is guaranteed for 1 year. The warranty only covers products installed and maintained in accordance with the instructions provided by their respective manufacturer and no warranty is made with respect to any of our products that are otherwise installed or maintained. For full warranty details, visit our Warranty Section.

Conformance to Codes and Standards

The EL-C1D2-HO is UL listed and meets or exceeds the following: UL 924, NEC, OSHA, NEC, NFPA 101 Life Safety Code requirements, IP66 rated for Ingress protection, and Rated for Class I, Division 2, Groups A, B, C & D.

ORDERING INFORMATION

Series	Housing Color	Operation Type	Temperature Rating
EL-C1D2-HO	W (White)	RHST (Remote Head Capable +Self-Testing)	CW (Expanded Temperature Rating)
	B (Black)		

CONSTRUCTION

The EL-C1D2-HO features a durable polycarbonate enclosure with 5VA flame-retardant and UV-resistant construction, along with stainless steel hardware for outdoor and demanding environments. Two fully adjustable high-output LED lamp heads provide flexible positioning for optimal emergency egress illumination.

SELF-TESTING OPTION

The EL-C1D2-HO automatically performs NFPA-required monthly and annual testing while continuously monitoring AC power, the charging circuit, battery voltage, and AC-to-emergency transfer operation. This helps ensure reliable emergency operation and code compliance. A manual test can also be initiated using the touch sensor test switch.

3170 Scott St, Vista, CA 92081
Phone: 877-352-3948 | Fax: 877-352-3949
info@exitlightco.com

ILLUMINATION

The EL-C1D2-HO is a high-output emergency light featuring two fully adjustable 5000K LED lamp heads that deliver up to 1,600 lumens of emergency illumination. The high lumen output provides excellent egress coverage and allows for extended fixture-to-fixture spacing.

ELECTRICAL COMPONENTS

The EL-C1D2-HO operates on universal 120–347VAC, 50/60Hz input and includes a maintenance-free LiFePO4 battery that provides 120 minutes of emergency operation with a 24-hour recharge time. A touch sensor test switch with LED status indicator allows for convenient code-required testing. The solid-state circuitry includes brownout transfer, low-voltage disconnect, overload protection, short-circuit protection, and automatic AC-to-emergency transfer.

EMERGENCY OPERATION

Upon failure of the normal utility power, an internal solid-state transfer switch automatically provides uninterrupted emergency operation for at least 90 minutes. The fully automatic solid-state, two-rate charger initiates recharging a discharged battery within 24 hours.

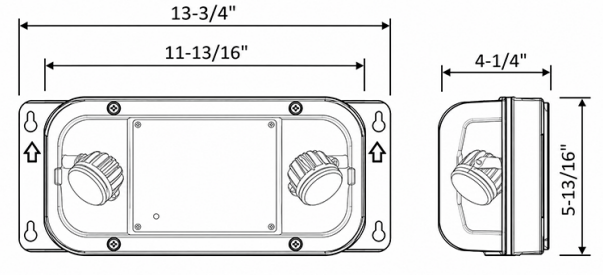
BATTERY - BATTERY BACKUP

The EL-C1D2-HO Emergency Light series features a 9.6V 5000mAH maintenance-free LiFePO4 battery that provides a minimum emergency duration of 90-120 minutes. Recharge time of the battery is 24 hours.

ELECTRICAL INFORMATION

Series	Input Voltage	Power Consumption	Current	Discharge Duration
EL-C1D2-HO-RHST	120-347VAC 50/60Hz	.3W	65mA	120 Minutes
EL-C1D2-HO-RHST-CW	120-347VAC 50/60Hz	.3W	100mA	120 Minutes

DIMENSIONS



OPERATIONAL TEMPERATURE

Temperature Ratings	
Series	**Temperature**
Standard	32°F to 104°F
Expanded Temperature Rating	-13°F to 122°F

REMOTE HEAD CAPABLE OPTION

The EL-C1D2-HO Emergency Light series offers The unit provides 9V 6W remote head capability for powering compatible remote emergency lamp heads.(see Emergency Operation Section).

CERTIFICATIONS

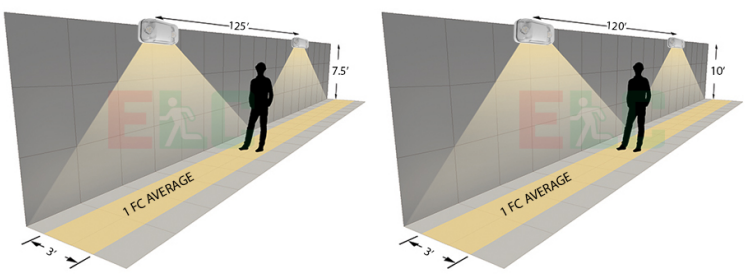
The EL-C1D2-HO is UL and CSA approved and meets or exceeds UL 924, UL 844, CSA C22.2 No. 141-15, CSA C22.2 No. 137-18, NEC, OSHA, and NFPA 101 Life Safety Code requirements. Rated for Class I, Division 2, Groups A, B, C & D hazardous locations with a T4A temperature rating and NEMA 4X ingress protection. The unit also conforms to CEC Title 20 requirements and FCC Part 15, Subpart B, Class A.

INSTALLATION

The EL-C1D2-HO is designed for surface wall mounting using die-cast mounting brackets and includes a conduit hub for conduit or pendant-mount installation. The unit is rated for Class I, Division 2, Groups A, B, C & D hazardous locations with a T4A temperature rating. Its NEMA 4X and IP66-rated enclosure is suitable for wet and outdoor locations, with a cold-location (CL) version available for freezer and low-temperature applications.

PHOTOMETRICS

Mount Height	3 FT Width Egress Path	6 FT Width Egress Path
	Fixture to Fixture	Fixture to Fixture
7.5 ft	125 ft	120 ft
101 ft	120 ft	118 ft



Disclosure: Spacing values are based on photometric calculations under laboratory conditions, assuming an open area with no obstructions and reflectance values of 80% ceiling / 50% walls / 20% floor. Actual spacing and illumination levels may vary depending on mounting conditions, room geometry, surface reflectance, obstructions, and other site-specific factors.