

SPECIFICATIONS

# LED hazloc LIGHTING

120-277 Universal Voltage

## THE Director

Explosion Proof LED Emergency Exit Sign



**Class I  
Division 2**  
**Groups A, B, C & D**

Flammable Gases & Vapors

T4A Temperature Rating  
Maximum Temperature  
**120°C / 248°F**

The Director 8W explosion proof LED emergency exit sign with two 4 watt bug eyes featuring reliable illumination and notification in Class I, Division 2 hazardous locations.

- 6" EXIT lettering legend, available in red or green
- Field-selectable directional chevrons
- Advanced Diagnostics and Scheduled Self Testing
- Short Circuit Proof
- Uses 8 watts in standby mode and operates at 16 watts
- NEC, OSHA and NEMA compliant
- Meets NFPA101 (Life Safety Code)
- Meets NFPA 70-NEC and OSHA illumination standards
- Fully Gasketed Housing
- Maintenance Free Battery Back-up
- Vandal-resistant UV stabilized polycarbonate lamp cover
- Stainless steel tamper-proof screws

### Specifications

**Lamp Types:** LED (Exit Sign), 4 watt LED Bug Eyes

**Input Voltage:** 120/277V AC @ 60Hz

**Lamp Voltage:** 12V DC

**Watts:** 8W (Max 29W) [Unit]; 16W (Max 24W) [Lamps]

**Current:** 0.30/0.08A (Max), 0.13/0.05A (Standby)

**Battery Type:** Sealed, Maintenance-free Nickel Cadmium

**Battery Runtime:** 90 Minutes



## THE Director

ORDER NUMBER	NAME
HELIO-010-40-U-X	The Director

ACCESS





If button is inactive, the link may be in revision.

### DIMENSIONS & FEATURES (Surface Mount Only)



14.5" W x 12.7" H x 3.5"

Weight: 20 lbs



1/2" Conduit Entries  
Sides & Top



Back Panel  
Knockouts

#### Advanced Diagnostic Circuitry

Circuitry is programmed to ensure the combination unit's readiness and reliability by continuously monitoring all critical functions. The diagnostic display is located inside, securely and not visible to the general public.

*Self Testing schedule is for 30 seconds every 30 days, 30 minutes every 60 days and 90 minutes annually.*

Specifications and data are subject to change without notice.

## THE Director

### DETAILED INFORMATION

The Director 10W explosion proof LED emergency exit sign with LED bug eyes features reliable illumination and notification in Class I, Division 2 hazardous locations. This unit supports 120-277V AC input voltages (29W max) and 12V DC output (24W max). The bug eye lamps are equipped with 4 watt LED bulbs. In the event of power outage, this unit will continue to function for 90 minutes via a sealed, maintenancefree nickel cadmium battery. A self-testing mechanism automates monitoring of critical functions within the unit.

This hazardous area LED emergency exit sign is suitable for Class I, Division 2 rated facilities. During operation, the unit features 120-277V AC input voltages (12V DC output for the lamp). The unit consumes 10 watts (max 29W), while the lamp consumes 12 watts (max 24W). Should power outage occur, the unit may revert to a nickel cadmium battery for power, which offers a runtime of 90 minutes. A low voltage battery disconnect built into the device preserves the solid-state battery and charger. This unit is constructed of cast aluminum with a sturdy polycarbonate cover and stainless steel, tamper-resistant screws.

Advanced Diagnostic circuitry is available in the Helio-010-40-U-X. This circuitry is programmed to ensure the combination unit's readiness and reliability by continuously monitoring every critical function of the unit. If a problem occurs, a single "Service Required" indicator illuminates immediately. A detailed diagnostic display that will further indicate the nature of the fault is located on the inside of the exit sign, out of sight from the general public. The self test will test the unit for a minimum of 30 seconds every 30 days, 30 minutes every 60 days and 90 minutes annually.

**LED Benefits:** Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

**Mount:** This unit is designed for wall mounts via a 1/2" electrical conduit entry on both sides and at the top.

**Applications:** Manufacturing plants, chemical plants, paint shops, oil refineries, gas stations, industrial facilities, warehouses, processing plants and other Class I, Division 2 hazardous locations.



IP68



NEMA



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The Director HazLoc Web Page