REVOLUTION Series

Thermoplastic Combination LED Light Bar Exit

Model: _____ Date: _____

Accessories: _____

Job Name: _____ Type: _____

Unique “Light Bar” design combines LED exit illumination with reliable, low-profile LED emergency lighting. The Revolution series offers maintenance free, long-life dependable service, and easily mounts above doors and in restricted spaces to fit any application.

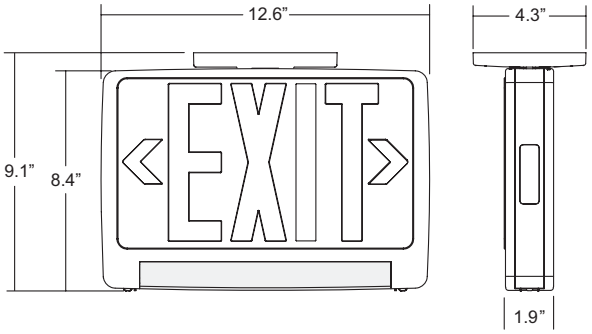


FEATURES AND BENEFITS

- Unique adjustable “Light Bar” emergency lighting with ultra-bright, energy-efficient white LEDs
- Remote capable - operates up to one (1) MLED-LO remote lamp head
- Universal style - includes 2 faceplates, a backplate and mounting canopy
- Optional Guardian Self-test/Self-diagnostics (G2) available
- Field-selectable directional chevrons
- Suitable for Damp Locations
- California Energy Commission (CEC) compliant

SPECIFICATIONS

Illumination:	Exit Face: High output, long lasting red or green LEDs EM Lights: 1.5W Ultra-bright white LEDs Remote Capacity: 1W, 9.6V
Housing:	Injection-molded UL 94 5VA flame-retardant, high-temperature thermoplastic
Input:	120/277VAC Dual primary, 60Hz
Battery:	Maintenance free NiCad battery
Run Time:	UL Listed 90 minute emergency run time, 24 hour recharge time
Electrical:	Brownout circuit (G2 only), low voltage disconnect, overload and short circuit protection
Mounting:	Ceiling, end or wall mount
Finishes:	Black or White
Options:	G2 = Guardian Self-test/Self-diagnostics
Certfications:	UL 924 Listed for Damp Locations
Warranty:	Any component that fails due to manufacturers defect is guaranteed for 5 years with a separate 5 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full Exitronix warranty document for detailed information. (Terms and conditions apply)



ORDERING INFORMATION Example: CLED-U-WH-G2

Series	Style	Finish	Options (Factory Installed)	Accessories[2] (Field Installed)
CLED = Red	U[1] = Universal	BL = Black	G2 = Self-test/Self-diagnostics	WG-S = Wire Guard (Back Mount)
GCLED = Green		WH = White		XG-6 = Poly Guard (Back Mount)

Notes
[1] Universal includes 2nd exit face and backplate
[2] Order as separate line item

CONSTRUCTION
The CLED series is constructed of a precision molded housing constructed of 5VA flame-retardant, corrosion-proof, UV-stable thermoplastic.

ILLUMINATION
Fully illuminated 6" stencil letters with 3/4" stroke, with minimum of 100 ft viewing distance is achieved with high output, long lasting red or green Light Emitting Diodes (LEDs). An exclusive color-matched diffuser eliminates hot spots and striations, providing optimal light output. LEDs are a maintenance-free solution, providing up to 100,000 hours of use without failure.

EMERGENCY LIGHTS
Light bar features ultra-bright white LEDs consuming 1.5W. CLED is remote capable and can operate up to one (1) MLED-LO remote lamp head.

ELECTRICAL
Input
Dual voltage input 120 or 277VAC @ 60Hz.

Nickel Cadmium Battery – NiCad (With Battery Only)
Exitronix nickel cadmium batteries are maintenance-free.

Brownout Circuit (G2 only)
Brownout circuit monitors the line voltage, as the line voltage sags and can no longer illuminate the exit sign to meet UL 924 visibility test, the emergency circuit will turn on to supply a portion or all the power to illuminate the sign for a minimum of 90 minutes until the line voltage is restored.

Low Voltage Disconnect (G2 only)
When the battery's terminal voltage falls below predetermined levels, the low voltage circuit disconnects the emergency lighting load. The disconnect remains in effect until normal power is restored, preventing deep battery discharge and improving the life of the battery. The disconnect will also automatically reconnect the load circuit once the battery voltage returns to a normal value after charging.

Solid-State Transfer
The unit features a solid-state switching transistor which eliminates damaged contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC power and automatically energizes the lamps. Upon restoration of the AC voltage, the emergency lamps will switch off and the charger will automatically recharge the battery.

Overload and Short Circuit Protection
The solid-state overload monitoring system in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short circuit is removed. This overload current protective characteristic eliminates the need for fuses or circuit breakers for the DC load.

Test Button
Our easily located test button allows for manual verification of proper operation of the transfer circuit and emergency lamps.

INSTALLATION
Simple snap together universal design allows for faceplate and back plate to be fully interchangeable. Mounting canopy is supplied with all signs and snaps into enclosure with two positive locking tabs.

Damp Location Rated - Standard
Damp Location rating ensures the fixture is designed to operate safely in outdoor locations that are protected from the direct elements. Damp Location rated fixtures may be installed indoors. Products with Damp Location ratings are not designed to withstand constant or significant moisture or direct contact with water or steam.

Guardian Self-Test/Self-Diagnostics – (Option: G2)
The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit.

The purpose of this option is to provide visual signaling in response to a fault at the EXIT sign battery and/or battery charger. If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LEDs will stay illuminated until the fault is corrected.

The Guardian circuit also monitors the transfer circuit as well as performing automatic code compliant testing. The Guardian circuit will perform a 30 second discharge and self-test every 28-30 days. A 90 minute discharge and self-test is performed every 6 months.

CONFORMANCE TO CODES & STANDARDS
The CLED Series is UL Listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101. California Energy Commission (CEC) compliant

ON-CENTER SPACING (Multiple units mounted at a typical 7.5 foot height)

Model	# of LED Lamps	3' Path, 6' Corridor	6' Path, 6' Corridor
(G)CLED	2	16'	12'

Barron assumes no responsibility for local requirements or specific project variables. This is a guideline to be used as a design aid, not as a guarantee of any code compliance.

