



CLIR

Recessed LED Clean Room Exit Sign



PROJECT: _____
FIXTURE TYPE: _____
LOCATION: _____
CONTACT/PHONE: _____



PRODUCT DESCRIPTION

The CLIR LED EXIT Series is a high-performance exit sign designed to withstand demanding environments, making it ideal for Cleanroom applications and other public areas where safety and security are paramount.

The CLIR series features a robust aluminum, cold rolled or stainless steel enclosure, a polycarbonate lens, and optional Tamper-Resistant hardware, ensuring durability in even the toughest applications. It is available with red or green LEDs and WB option is standard with self-test/self-diagnostics. The CLIR series is the perfect solution for providing clear and reliable exit signage in entryways, stairwells, corridors, and other areas within Cleanroom facilities or any space requiring a heavy-duty, vandal-resistant EXIT sign.

APPLICATIONS

- Biosafety and Containment
- Cleanrooms
- Containment Areas
- Corridors
- Exit
- Isolation Areas
- Laboratories
- Packaging and Staging
- Research and Development
- Vivariums

ORDERING INFORMATION

Series	Power Source	Housing/Door	Gauge Size	Legend Color	Finish	Options
CLIR	LB = AC Only	A ¹ = Aluminum	16 = 16 Gauge	G = Green Letters	AM = Antimicrobial White	TRH = Tamper-
	WB = NiCad Battery	C ² = Cold Rolled Steel	18 = 18 Gauge	R = Red Letters	B = Brushed	Resistant Hardware
		S4 ³ = Stainless Steel 304	20 = 20 Gauge		P = Polished	
		S6 ³ = Stainless Steel 316				

Notes

¹ Only available in 16 gauge with Antimicrobial White Finish

² Only available with Antimicrobial White Finish

³ Only available in 18 gauge

FEATURES & BENEFITS

- Durable, high-abuse construction, IK10 Rated
- One-piece seam welded aluminum, cold rolled steel or stainless steel housing
- Stainless Steel overlapping doorframe with 0.125" clear polycarbonate lens
- Tamper-Resistant Hardware option available (Option: TRH)
- Self-test/self-diagnostics standard with WB configuration

SPECIFICATIONS

Illumination:

Constant, uniform illumination by long-life, high intensity, red or green LEDs

Housing:

One piece die-formed aluminum, cold rolled steel or stainless steel

Input:

120/277V Dual primary, 60Hz input

Battery:

Maintenance-free NiCad battery

Operating Temp:

10°C to 45°C (50°F to 113°F)

Run Time:

ETL Listed 90 Minute emergency run time, 24 hour recharge time

Legend:

Fully-illuminated 6" characters with 3/4" stroke, field selectable directional chevrons included for all configurations

Mounting:

Recessed Mount

Finishes:

Antimicrobial White, Brushed or Polished

Options:

Tamper-Resistant Hardware (Option: TRH)

Certifications:

ETL Listed, Salt spray test: 1,000 hours; Reflectance: 92%, IP65 per IEC 60598, meets or exceeds UL 924 and NFPA 101 Standards, meets or exceeds CSA and NRCAN requirements, Class 100 (ISO 5) Cleanroom, IK10 Impact Rated

Warranty:

Any component that fails due to a manufacturing defect is guaranteed for five years with a separate five year prorated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full Mule warranty document for detailed information. (Terms and Conditions apply)

Ordering Example: CLIR-WB-A-16-G-WH





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ELECTRICAL RATINGS

Model	NiCad Battery	Brownout	Low Voltage Disconnect	Overload Disconnect	Short Circuit Disconnect	Solid State Transfer	Input			
							VAC	Hz	mA	W
CLIR-LB	N/A	N/A	N/A	N/A	N/A	N/A	120/277	60	100	1
CLIR-WB	3.6V 400mAh	Yes	Yes	No	N/A	Yes	120/277	60	50	2.7

CONSTRUCTION

The CLIR Series features a one-piece, die-formed prime 16-20 gauge material, ensuring durability and versatility for recessed wall mounting. It is available in four surface finishes: a painted TGIC polyester applied powder coat through a five-stage pre-treatment process; Antimicrobial White or White or a brushed or polished stainless steel finish. This treatment, along with 0.125" polycarbonate lens, provides excellent resistance to fingerprints, surface impurities, and wear.

Field-selectable chevron knockouts are concealed and easily removable for added flexibility. Stencil letters are 6 inches high with a 3/4-inch stroke for clear visibility.

ILLUMINATION

Illumination of the CLIR series is achieved with high output, long lasting, red or green LEDs. Includes color-matched diffuser that eliminates hot spots and striations, providing optimal light output.

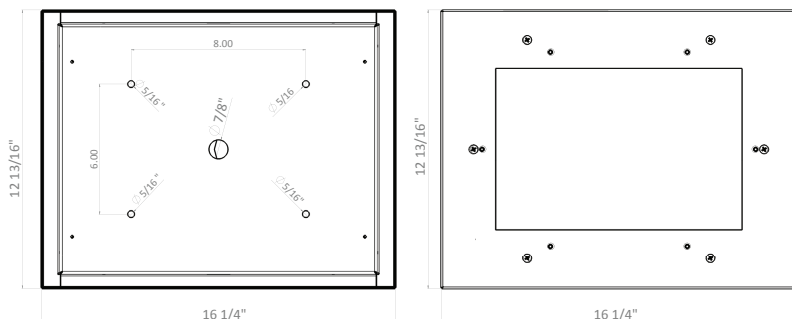
INSTALLATION

The hardware is tamper-resistant and constructed with rugged steel with a silicone gasket to achieve IP65 rating.

CONFORMANCE TO CODES & STANDARDS

The CLIR is ETL Listed, Salt spray test: 1,000 hours; Reflec tance: 92%, IP65 per IEC 60598, meets or exceeds UL 924 and NFPA 101 Standards, meets or exceeds CSA and NRCAN requirements, Class 100 (ISO 5) Clean-room, IK10 Impact Rated.

DIMENSIONS



DEPTH +.25" FOR ROUGH IN



ELECTRICAL

Input

Dual-voltage input 120 or 277VAC @ 60Hz.

Sealed Nickel Cadmium Battery – NiCad (WB Only)

Mule Lighting sealed nickel cadmium batteries are maintenance-free.

Emergency

The CLIR series exit will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

WET LOCATION (RATED IP65)

Wet Location Rated fixture that allows water or other liquids to drip, splash or flow on or against. The construction prevents the accumulation of water on live parts.

SELF-TEST/SELF-DIAGNOSTICS (WB ONLY)

The bi-color circuit is factory preset; without any field adjustments needed. It continuously monitors the performance condition of the AC power, battery supply, and charging circuitry. The intent of this option is to provide visual signaling to identify fault at the Exit. Fault indicators are as follow:

●	Steady	Battery Disconnected
●	Flash	Battery Recharge Failure
● ●	Double Blink	Battery Failure
● ● ●	Three Blink	LED Failure

Self-testing/Self-diagnostics also has a manual test function, press test button as follows:

Press Test Button Once	30 Seconds Discharge Test
Press Test Button Twice	30 Minutes Discharge Test
Press Test Button Three Times	90 Minutes Discharge Test