

## Mini Retract-a-Lite™ Series

The next generation unseen solution



### Features

- Easy to retrofit in finished walls: the unit slides in through an 8.25" by 5.75" hole
- No back-box needed to pre-install
- Input: standard AC input 120/347VAC; optional 120/277VAC
- Output: 12VDC with up to 100W of power
- Battery: choice of sealed, maintenance-free lead-calcium or nickel-metal hydride
- Remote capacity: can drive several wall or ceiling-mount 12VDC remote Retract-a-Lite™ fixtures
- Charger: micro-controller driven, temperature compensated, high precision, fast recharge
- Remote AC fixture: direct connection to 120 or 347VAC power generators
- MR16 LED lamps 4W, 5W and 6W
- Certification: CSA C22.2 No.141
- **Warranty details at: [www.emergi-lite.ca](http://www.emergi-lite.ca)**



### Typical specifications

Supply and install **Emergi-Lite® Mini Retract-a-Lite™ Series**. The unit shall be designed to be completely concealed in walls with a cavity. The equipment shall consist of a metal housing containing two modules joined by a flexible bracket and electric conduit. One module contains the battery, charger circuitry and electrical connection box; the other module contains the emergency lights installed on the back of a door able to rotate several turns of 360°. The unit equipment shall be completely concealed in the wall after installation through a rectangular opening not larger than 8.25" by 5.75". In stand-by mode, the only visible parts of the unit shall be the flat door and trim plate, coated with a high-quality off-white finish that can be customized on site with paint or other suitable wall covering. Upon a power failure the unit will expose the emergency heads by rotating its door 180° and then will power the lamps. At the restoration of the AC power or at the end of the battery discharge, the lamps will turn off and the unit will retract the heads by rotating the door 180° in the same direction. The unit shall not require the presence of AC power in order to close the door and conceal the lights. The door of the unit shall be easy to force-turn (open or close) by hand, in any rotation direction. The light source shall be 12V MR16 LED lamps of specified technology, wattage and light output. The unit shall supply the rated load for a minimum of 30 minutes or until the battery is discharged to 87.5% of its nominal voltage (whichever duration is longer). The charger circuitry shall utilize a micro-controller IC that samples the battery in relation to the ambient temperature, state of charge, and input voltage fluctuations. The charger shall be current limited, temperature compensated, short-circuit proof, and reverse-polarity protected. The circuit will charge in accordance with CSA C22.2 – 141 requirements. The unit shall be furnished with a recessed, illuminated push button serving as test switch and status indicator light. When specified, the unit shall come complete with the **Emergi-Lite®** series of auto-test micro-controller circuitry to ensure the equipment readiness and reliability by continuously monitoring every critical function of the unit. If a component failure occurs, the pilot light located on the front of the unit will change colour from green to red and will flash indicating a fault. A detailed diagnostic legend shall be available on the back side of the door and shall provide fault identification (battery, charger circuitry, lamps) for maintenance personnel. The auto-test shall simulate a power loss for one minute monthly, 10 minutes every 6 months, and a full 30-minute test every 12 months.

The equipment shall be **Emergi-Lite®** model: \_\_\_\_\_ .

### Replacement lamps: MR16 type

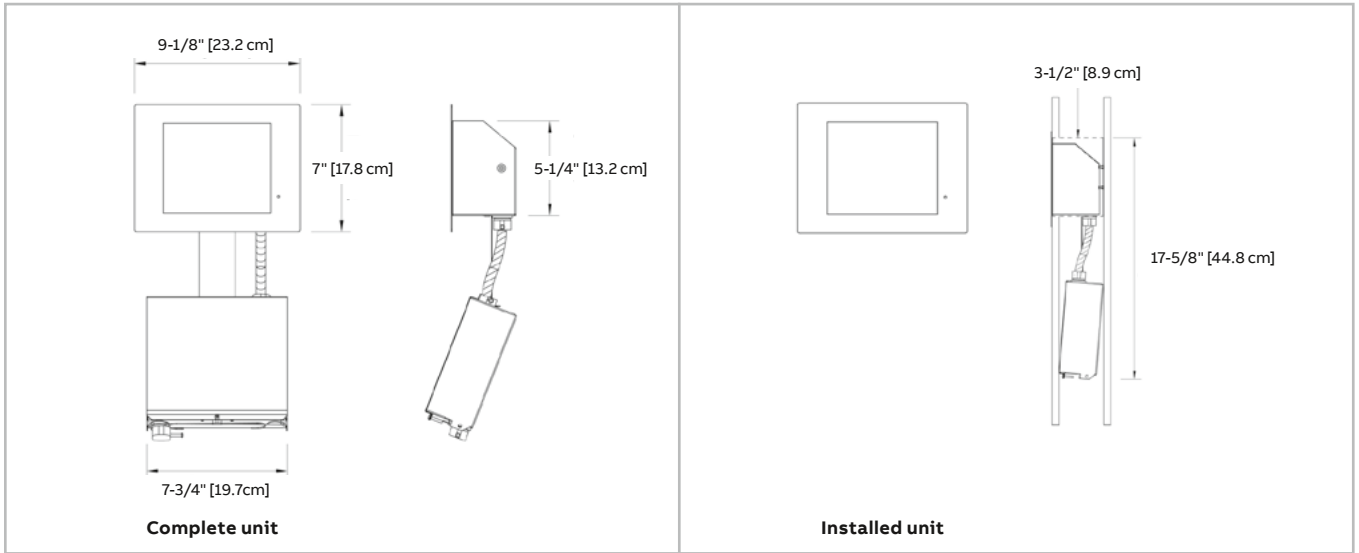
Model	Lamp type	Voltage/wattage
580.0093-E	MR16 LED	12V-4W
580.0104-E	MR16 LED	12V-5W
580.0106-E	MR16 LED	12V-6W

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### Dimensions

Dimensions are approximate and subject to change.



### Power consumption and unit rating

Model	AC specs	Wattage capacity			
		30 min	1H00	2H00	3H00
MRL80	120/347 VAC	80	40	24	–
MRH100	0.25/0.09 A	100	70	36	24

### Ordering information

Series	Powerpack	Voltage	Number of heads	Options
MR	L80= lead-calcium, 12V-80W H100= nickel-metal hydride, 12V-100W	-2= 120/277VAC Blank= 120/347VAC	LG= MR16 LED, 12V-4W LI= MR16 LED, 12V-5W LJ= MR16 LED, 12V-6W	D3= time delay (15 minutes) U= auto-diagnostics <sup>1</sup> UN= auto-diagnostics, non-audible <sup>1</sup>

Example: MRL80/LJ

<sup>1</sup>Minimum lamp load required:  
20% of unit capacity