

# MINI-PHANTOM™ Series

Unseen Solution  
The Next Generation

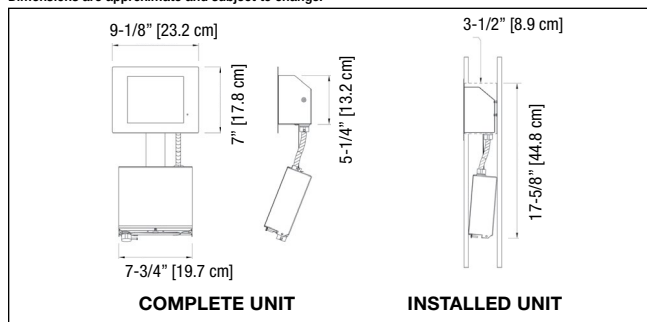


## FEATURES

- 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 Phantom™ 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
  - Meets or exceeds CSA 22.2 No.141-15
- See warranty details at: [www.tnb.ca/en/brands/lumacell](http://www.tnb.ca/en/brands/lumacell)

## DIMENSIONS

Dimensions are approximate and subject to change.



## REPLACEMENT LAMPS: MR16 TYPE

MODEL	VOLTAGE/WATTAGE
580.0093-L	12V-4W LED
580.0104-L	12V-5W LED
580.0106-L	12V-6W LED

## TYPICAL SPECIFICATIONS

Supply and install Lumacell® Series Mini-Phantom™. 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 the installation through a rectangular opening not larger than 8.25-in by 5.75-in. 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 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 the 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 Lumacell® series of auto-test micro-controller circuitry that will 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 color 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 the maintenance personnel. The auto-test shall simulate a power loss for one minute monthly, 10 minutes every sixth months, and a full 30-minute test every 12 months.

The Unit shall be CSA 22.2 No.141-15 certified.

The equipment shall be Lumacell® model: \_\_\_\_\_.

## POWER CONSUMPTION AND UNIT RATING

MODEL	AC SPECS		WATTAGE CAPACITY			
			30MIN	1H	2H	3H
MPS80	120/347VAC		80	40	24	-
MPH100	120/347VAC	0.25/0.08A	100	70	36	24

### IN THE SAME FAMILY:



- MINI-PHANTOM™ Series  
Remote Fixtures

## ORDERING INFORMATION

SERIES	UNIT CAPACITY	LAMP WATTAGE	VOLTAGE	OPTION
MP	<b>S80</b> = Lead-Calcium, 12V-80W <b>H100</b> = Nickel-Metal Hydride, 12V-100W	<b>LD7</b> = MR16 LED, 2X4W <b>LD9</b> = MR16 LED, 2X5W <b>LD10</b> = MR16 LED, 2X6W	<b>Blank</b> = 120/347VAC <b>ZC</b> = 120/277VAC	<b>AT</b> = auto-test* <b>ATN</b> = auto-test (non-audible) <b>TB</b> = T-Bar mounting unit <b>T3</b> = time delay (15 minutes)*  * Minimum lamp load required: 20% of unit capacity.

EXAMPLE: MPS80LD7AT

by ABB

LUMACELL