

# Invisilite™ Series

## NEW & Improved Recessed Cabinet Emergency Lighting



The NEW Invisilite™ Series by Ready-Lite is virtually unseen until there is a brown out condition or a complete loss of power. The brown out sensitive transfer circuit automatically initiates emergency mode and instantly releases the two MR16 lamps to illuminate the path to safety. When AC is restored, the internal motor returns the lamp/door assembly back to its enclosure. A new feature in this redesigned unit is the door that now flips 180°, driven by a patent-pending, energy-storage circuit.

The new remote Invisilite™ is now self-contained in a small enclosure making the unit much more installer friendly.

### Features

- **Fully automatic operation** – the unit door opens upon loss of AC power and closes when the power is back or at the end of battery discharge
- **Charger** – micro-controller driven, temperature compensated, high-precision, fast recharge
- **Self-powered Unit** – maintenance-free, sealed lead acid battery with a 10-year design life
- **Input** – Standard AC input 120/347Vac, 0.25/0.09 Amps; optional 120/277Vac
- **Front assembly white** – color and finish can be customized on site
- **Back-box (self-powered unit)** – made of heavy-duty, galvanized steel
- **Emergency lights** – two high-efficacy MR16 halogen lamps; power range from 2x12W up to 2x50W
- **Warranty** – 3-year warranty on electronics, 5-year warranty on motor, 1 year full, 9 years pro-rated on battery
- **Remote** – Also available as a remote fixture; in 12Vdc or 24Vdc; no back box, no AC wires are required.
- **CSA C22.2 No. 141 certified**
- **Patent-pending design**





Project/Location:

Date:

Contractor:

Prepared by:

# Invisilite™ Series

## Unit Rating Chart

Model Number	Emergency power available for lamps		
	30 minutes	One hour	Two hours
HIDE75	75 W	40 W	24 W
HIDE150	150 W	80 W	48 W

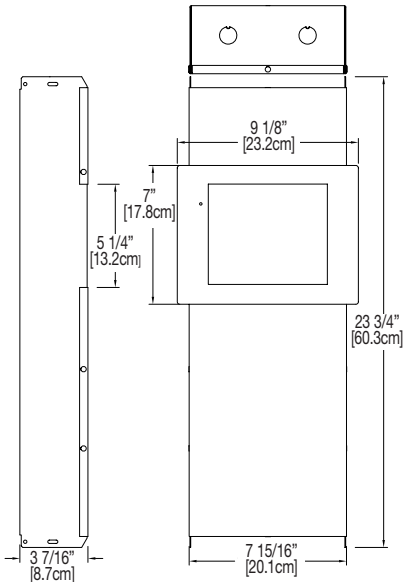
## Typical Specification

Supply and install an **Ready-Lite Series Invisilite™** fixture as specified and as shown on the drawings. The unit shall be designed with a concealed back-box to be installed in wall or ceiling cavity, including T-bar suspended ceilings. Bar hanger brackets shall be provided with the self-powered unit.

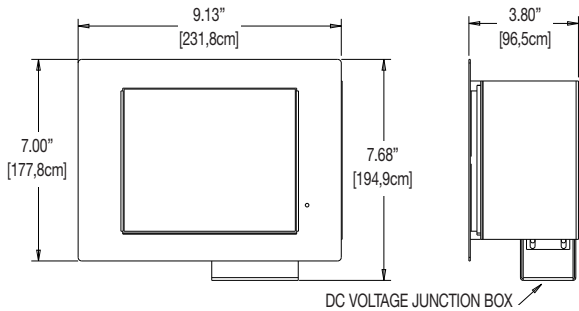
## Dimensions

**PATENT PENDING**

### Battery Unit



### Remote fixture



If a battery unit is specified, the unit shall consist of a metal back box containing the batteries, the lamp assembly and a charging circuitry. The back box shall be constructed of heavy-duty galvanized steel. The unit components: battery assembly, charger circuitry and lamp assembly shall have a modular design and come standard with quick connect plugs for easy installation in the back box.

If a DC-remote unit is specified, the unit shall not require the presence of AC power in order to close the door and conceal the lights. The back box shall be constructed of heavy-duty galvanized steel and be supplied with two (2) MR16 lamps as specified and a mounting bracket for final assembly.

The unit equipment shall be completely concealed in the wall or ceiling during normal power conditions. Upon a power failure the unit will expose the emergency heads by rotating its door 180° and then 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 in the wall (ceiling) by rotating the door by 180°. Under normal conditions, 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. The light source shall be 12V, MR16 halogen 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 1/2% 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.

The unit will come complete with an auto diagnostic micro-controller circuitry that will ensure the equipment readiness and reliability by continuously monitoring critical functions of the unit. If a problem occurs, the pilot light located on the front of the battery unit, will change color from green to red and will flash indicating a fault. A detailed diagnostic legend shall be available on the door back side 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 30-minute test every 12 months.

The equipment shall be **Ready-Lite catalogue number:** \_\_\_\_\_.

## Ordering Information

### Battery-operated unit equipment

EXAMPLE: HIDE7512WADN

Series	Unit Capacity	AC Input Voltage	Options	AC Voltage
<b>HIDE</b>	<b>75</b> = 12V, 75W Lead-acid <b>150</b> = 12V, 150W Lead-acid	<b>12W</b> = 12W each head <b>20W</b> = 20W each head <b>35W</b> = 35W each head <b>50W</b> = 50W each head <b>20WH</b> = 2x 20 watts MR16, High lumen output <b>35WH</b> = 2x 35 watts MR16, High lumen output <b>50WH</b> = 2x 50 watts MR16, High lumen output	<b>AD</b> = auto-diagnostic <b>ADN</b> = auto-diagnostic, non-audible <b>D3</b> = time delay 15 min	<b>Blank</b> = 120/347VAc <b>U277</b> = 120/277VAc

### DC-remote lighting fixture

EXAMPLE: HIDR12/12

Series	Remote Voltage	Lamp Wattage	Options
<b>HIDR</b>	<b>12</b> = 12Vdc <b>24</b> = 24Vdc	<b>/12</b> = 12W each head <b>/20</b> = 20W each head <b>/35</b> = 35W each head <b>/50</b> = 50W each head <b>/20H</b> = 2x 20 watt, MR16, High lumen output <b>/35H</b> = 2x 35 watt, MR16, High lumen output <b>/50H</b> = 2x 50 watt, MR16, High lumen output	<b>TB</b> = T-bar mounting kit

[www.readylite.com](http://www.readylite.com)

**Thomas & Betts**

