

# LED Retrofit Kits

## for EXIT signage



### Convert high consumption incandescent and fluorescent lamps to energy efficient LED lamps.

Converting existing exit signage from incandescent or fluorescent lamps to LED (light emitting diodes) lamps drastically reduces operating and maintenance costs for building owners and property managers. As part of energy efficiency programs, some Canadian electric utilities are also actively promoting conversion to LED with incentive and rebate programs for installers and building owners/managers.

## Features

Lumacell offers four retrofit kit options; all based on the long-life **AllnGaP** LED technology:

- Superstrip Series
- Mini-Wedge LMW Model
- Mini-Wedge LMWXD Model
- LED Lamp

Here are some of the benefits of using LED lamps in exit signs:

- Exceptional energy efficiency – reduces energy consumption by up to 90%
- Extremely long life – 10 to 25 years
- Important reduction in maintenance and energy costs
- Average payback is less than two years (see page 6)
- Retrofit kits are easy to install
- Improved visibility and reliability: **AllnGaP** LED technology



## Typical Specification

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Project/Location		Date
Contractor		Prepared by
LUMACELL Model		



# LED RETROFIT KITS

## SUPERSTRIP Series (LMR model)

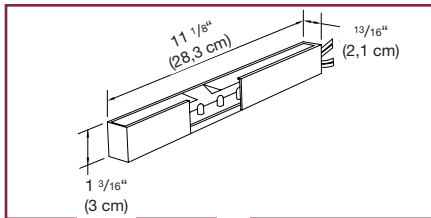


- Quick and easy to install
- Long-life, energy-efficient red AllnGap LED technology
- Module features two independent circuits – one for AC input; one for DC input
- Universal AC input: 120/277/347Vac; universal two-wire DC input: 6 to 24Vdc
- Power consumption of 1.1W per module
- 10 year limited warranty

### Power Consumption

Model	AC Specs		DC Specs	
<b>LMR</b>	120/277/347Vac	1.1W	6 to 24Vdc	1.3W

### Dimensions



### Ordering Information

Serie	Voltage	Options
<b>LMR</b> = hardwire retro-fit kit	<b>UNIV</b> = 120/277/347Vac, 6/12/24Vdc	<b>Blank</b> = 11.0" (28cm) long
	<b>UNIV36</b> = 120/277/347Vac., 36Vdc	<b>*-9.5</b> = 9.5 " (24 cm) long
	<b>UNIV48</b> = 120/277/347Vac, 48Vdc	
	<b>UNIV120</b> = 120/347Vac, 120Vdc	
	<b>120VACDC2</b> = 120Vac,120Vdc, 2 wires	

**EXAMPLE: LMRUNIV**

## MINI-WEDGE Series (LMW model)

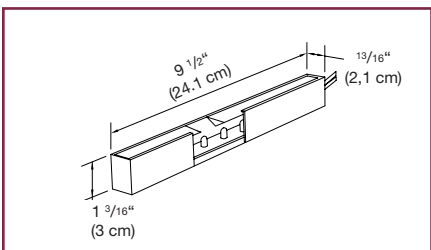


- Easiest to install in its class
- Compact size makes it ideal for virtually all exit signs
- Can be retrofitted directly on fluorescent ballast
- Long-life, energy-efficient red AllnGap LED technology
- Available with AC adaptor for all type of lamp sockets
- 10 year limited warranty

### Power Consumption

Model	AC Specs		DC Specs	
<b>LMW</b>	120Vac; 86Vac step down from 347Vac	1.7W	N/A	N/A

### Dimensions



### Ordering Information

Series	Voltage	Base
<b>LMW</b> = for std applications	<b>120</b> = 120Vac	<b>C</b> = candelabra
	<b>120HW</b> = 120Vac, hardwire	<b>I</b> = intermediate
	<b>240HW</b> = 240Vac, hardwire	<b>M</b> = medium
	<b>277HW</b> = 277Vac, hardwire	<b>B</b> = bayonet
	<b>347HW</b> = 347Vac, hardwire	<b>F</b> = G23 compact fluorescent
		<b>CIMB</b> = complete set of bases (exclude "F" base)
		<b>CIMBHQ</b> = Hydro-Québec set for "Efficient Products Program".

**EXAMPLE: LMW120C**