

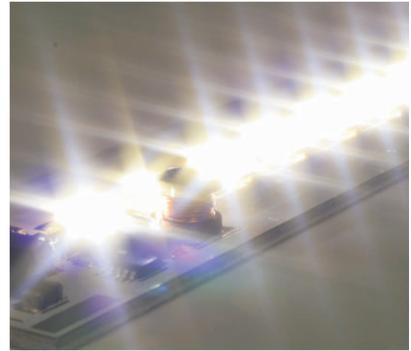


# LED Lighting: Getting It Right

## The future of lighting is LED !

LED lighting is quickly making its way into our daily lives replacing older technologies and offering improved energy efficiency, higher durability, increased life, lower maintenance and improved brightness.

The low-power nature of LED lighting makes them an ideal choice for automotive, camping, caravans, boating, solar or any battery-powered application where energy saving is essential.



**National Luna** has brought high-performance LED technology to market with the introduction of a new range of low-voltage, compact, energy-saving light fixtures.

The highest quality LED components are combined with high-performance regulator circuits and strong materials to provide a durable and effective product that offers :

- Unique "Dim" - "Bright" setting.
- Significant energy saving.
- Optimal light distribution.
- High efficacy and overall efficiency.
- Stable output under various conditions.
- Low glare.
- Long lifetime.
- Durable.
- Safe operation.

The range starts with the low-power and economical 9-LED light and spans to the incredible ultra-powerful 27-LED model.

All models are protected against reverse-polarity and short-circuit conditions and operate from a wide voltage range commonly experienced in battery-powered and portable applications.

**Available from all leading 4x4 and outdoor stores**

# National Luna LED features :

## Dual-Power 2-in-1 function

One of the most useful features of these LED lights is the option to select between a low and high power mode. The "Dim" mode is perfect for ambient lighting and is the ultimate energy saver. The impressive "Bright" mode provides full light output, useful for wide-area lighting.

## Anti-Glare

A specially-designed anti-glare texture combined with high-clarity polycarbonate reduces glare, eliminates UV emission and improves light distribution.

## Ultimate Energy Saving

The combination of high-quality LED's and a high efficiency regulator circuit provides the best light output at the lowest power consumption. When other lights start to fade these lights keep going for longer.

## Quality Construction

All models use high-quality LED's and electronic components as well as metal circuit boards for durable, trouble-free operation for years.

Ultra-Power models are assembled with an aluminium base for low-temperature, long-term operation.



## Mounting options

Standard models can be attached to flat surfaces quickly and easily - No additional brackets or adhesives necessary. Clip-on versions are available for quickly attaching to poles for a non-permanent setup. 8m cables supplied standard with all clip-on models.

## Wide Operating Voltage

Built-in regulator circuits ensure constant power and brightness under a wide operating voltage covering 12V and 24V applications.

## Safe, natural light

These lights provide a natural white light similar to daylight without any ultra-violet or infra-red emission, making them safe and pleasant to use.

	9-LED	15-LED Ultra Power	21-LED	27-LED Ultra Power
Luminous Flux (Lumens)	Dim: 62 Bright: 176	Dim: 70 Bright: 350	Dim: 70 Bright: 480	Dim: 105 Bright: 616
Max Power	2.21 W	3.46 W	4.75 W	6.25 W
Voltage Range	10 - 15Vdc	10 - 30Vdc	10 - 30Vdc	10 - 30Vdc
Current (mA) (at 12Vdc)	Dim: 61 Bright: 184	Dim: 51 Bright: 288	Dim: 51 Bright: 396	Dim: 74 Bright: 524
Efficacy (lumens per watt)	85lm / W	113lm / W	115lm / W	118lm / W
Size (mm)	200 x 30 x 16	200 x 30 x 16	300 x 35 x 16	300 x 35 x 16

Manufactured



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National Luna reserves the right to change specifications without prior notice.

Specifications verified by the  
South African Bureau of Standards