

# SOLAR & WIND



# DC LIGHTING

The Lumina range offers the highest quality DC lighting at the most competitive prices

- ◆ High reliability and long operation life
- ◆ Highest light output available
- ◆ Very low power consumption
- ◆ Maintenance free
- ◆ High efficiency
- ◆ Easy to install
- ◆ Rear or side cable entry
- ◆ Attractive design
- ◆ Two year warranty



Originally designed for use in solar power systems, the Lumina lights are also ideally suited for use in boats, recreational vehicles, caravans, wind power systems and any other low voltage DC lighting applications.

Within each light fixture is a high efficiency light inverter which converts 12 or 24 VDC of a battery system into the AC voltage required for optimum lamp operation. The high quality inverter pre-heats the compact fluorescent lamp before operation thereby prolonging the lamp life and preventing early tube blackening.

The tough, impact resistant ABS housing is designed to prevent intrusion by dust and insects whilst the strong acrylic lens protects the lamp from physical damage and enhances light distribution. The lens is easily removable to allow lamp replacement.

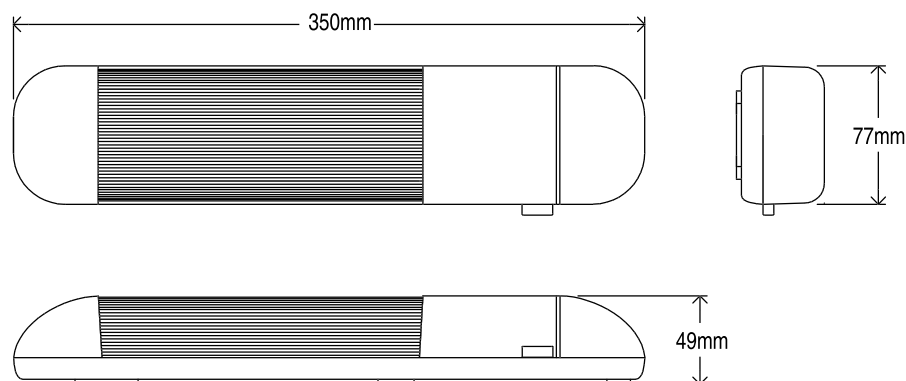
The compact fluorescent lamps within the Lumina Lights have many advantages over straight fluorescent tubes including higher light output (Lumens) and lower current consumption. For example the Lumina 9 provides over 30% more light whilst consuming 25% less power than a light with an 8 watt straight fluorescent tube.

All Lumina fixtures are fully protected against reverse polarity connection and damage from short and open circuits. The fixtures will not be damaged if the lamp is removed or fails during operation. The inverter also eliminates the flicker effect found on low quality lights and is filtered against radio frequency interference.

Under normal operating conditions a lamp life span of up to 8000 - 10,000 working hours can be expected.

Model	Lumina 7*	Lumina 9*	Lumina 11*	Lumina 18
Lamp Wattage	7W	9W	11W	18W
Nominal Input Voltage	12 or 24VDC	12 or 24VDC	12 or 24VDC	12 or 24VDC
Current Consumption at 12V	0.5A	0.6A	0.89A	1.3A
Current Consumption at 24V	0.25A	0.3A	0.45A	0.65A
Type of Tube	Compact Fluorescent			
Tube Lumen Output	400	600	900	1200
Inverter Frequency (kHz)	>30	>30	>30	>30
Inverter Waveform	Pure Sinewave			
Inverter Efficiency	>90%			
Operating Temperature Range	-10 to +50°C			
Open Circuit Protected	Yes			
Short Circuit Protected	Yes			
Reverse Polarity Protected	Yes			
Switch	Push Switch			
Warranty Period (excludes lamp)	Two Years			
Weight (kg)	0.39	0.39	0.40	0.43

\* Any of these models can use a 7, 9 or 11W lamp.



*Lumina 7 @ 400 Lumens =40W*

*Lumina 9 @ 600 Lumens =60W*

*Lumina 11 @ 900 Lumens =75W*

*Lumina 18 @ 1200 Lumens =100W*

Exclusive distributor in Australasia