



Why Use LED?

Light emitting diodes (LEDs) have been used for years, primarily in the electronics industry for circuit board mounted indicator lights. Increased performances (brightness), lower production costs and the availability of a variety of colors have led to the successful use of LEDs in replacing incandescent lamps found in architectural, commercial and industrial applications.

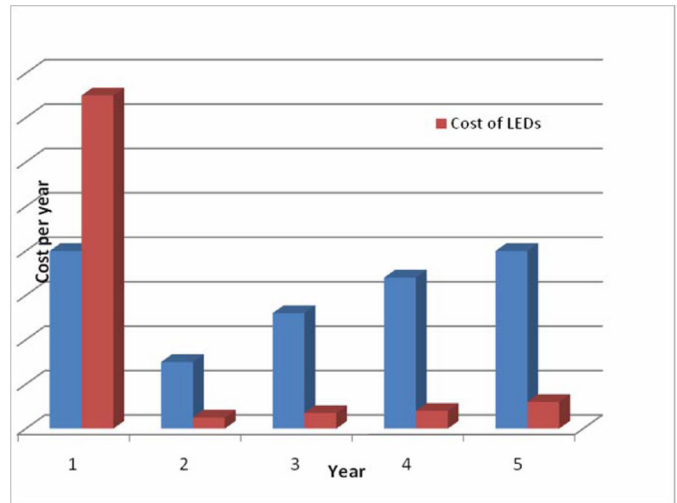
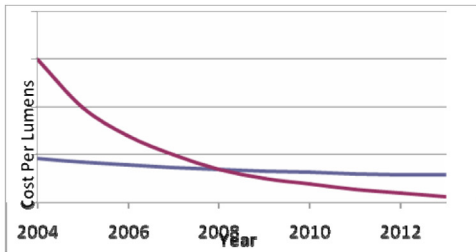
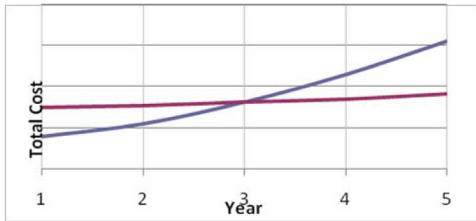
Benefits of LED Technology

- * Long life
- * Reduction of maintenance costs
- * Decrease of electric costs by up to 90%
- * Vibration resistant solid-state electronics
- * Low heat generation
- * Variety of colors available
- * Wide range of voltage applications

dolphin lighting



Product	Qty	Watt (W)	Current used (amp)	Actual Power Consumed (W)
Halogen	1	50	0.28	61.6
LED	1	5.8	0.04	8.8



dolphin lighting



	Halogen	LEDs
Total Number	500	500
Current Measured (A)	140	20
Power Consumption per year (kWh)+	134904	19272
Power Savings per year (kWh)	NA	115632
Electricity cost per year#	AUD\$32,215	AUD\$4,602
Cost Savings per year	NA	AUD\$27,613
Cost Savings per year (%)	NA	85.7%
Carbon emission per year (kg)*	134904	19272

+based on average 12 hour usage per day

#based on \$0.2388 per kWh

*based on 1kg per kWh