



## ALG1 LED REPLACEMENT LAMP



Input Voltage	240V
Max Power Consumption	2.1W
Frequency Range	50hz
Operating Temperature	31°C
Lamp Fitting	GU10
Beam Spread	38°
Lifespan	Up to 50,000 hours
Luminous Intensity	400 Lux
Colours	White & Warm
Head Diameter	63 mm
Height	70 mm
Weight	93 gms

### ALG1 DESCRIPTION:

The AUZLED 2.1W-240V ALG1 LEDs have passed the EMC test (no RF interference) and comply with all Australian standards allowing them to be installed in hospitals, medical centres and office buildings equipped with electronic equipment.

The 2.1W-240V ALG1 LED does not have a heat-generating transformer as it runs at a cool 31°Celsius thereby reducing air conditioning costs and the need for heat resistant covers. An added bonus is that they are shatterproof and shock resistant and don't contain any hazardous mercury that makes them safer to handle and install.

The 2.1W-240V ALG1 LED is designed to provide minimal energy consumption and retrofit into any fittings with standard 240V GU10 lamp holders providing they accommodate a head diameter of 63mm. With a lifespan of up to 50,000 hours or 17 years based on eight-hour days replacement globe and maintenance expenses are reduced significantly.

The 2.1W-240V ALG1 LED provides a cost-effective form of down lighting that is a money saving alternative to expensive low voltage halogen or fluorescent globe and ballast lighting costs each month.

## ALE4 LED REPLACEMENT LAMP



Input Voltage	240V
Max Power Consumption	5.7W
Frequency Range	50hz
Operating Temperature	31°C
Lamp Fitting	E27
Beam Spread	38°
Lifespan	Up to 50,000 hours
Luminous Intensity	900 Lux
Colours	Warm & Cool White
Head Diameter	120 mm
Height	135 mm
Weight	436 gms

### ALE4 DESCRIPTION:

The AuzLED 5.7W-240V ALE4 LED has passed the EMC test (no RF interference) and complies with all Australian standards allowing them to be installed in hospitals, medical centres and office buildings equipped with electronic equipment.

The 5.7W-240V ALE4 LED does not have a heat-generating transformer and it runs at a cool 31°Celsius thereby reducing air-conditioning operating costs and the need for heat resistant covers. An added bonus is that they are shatterproof and shock resistant and don't contain any hazardous mercury that makes them safer to handle and install.

The 5.7W-240V ALE4 LED is designed to take the place of the popular Par38 150 Watt mirror backed spotlight or a 36-Watt fluorescent type floodlight. It is a retrofit into any standard 240V E27 internal, exterior or large down light lamp holders. With a lifespan of up to 50,000 hours or 17 years based on eight-hour days so there is less replacement globe and maintenance expenses are reduced significantly.

The 5.7W-240V ALE4 LED provides a cost-effective form of down lighting that is a money saving alternative to expensive low voltage halogen or fluorescent globe and ballast lighting costs each month.

## OPERATING TEMPERATURE, POWER & LIFESPAN COMPARISONS

	Halogen low volt globe & transformer	Florescent globe & ballast	LED (Light Emitting Diode) Lamp
Heat generated/globe	170 C	120 C	31 C
Power consumption	62 Watt	16 Watt	2.1 Watt
Hours/life UP TO	5000	5000	50,000

## RUNNING COSTS COMPARED TO ALG1 LED

Calculated on the domestic cost of electricity being charged at 22.20 cents per kilowatt-hour - including GST. Meaning that it costs 22.20 cents per hour for 1000 watts - the comparison running costs include transformers and ballasts.

Lamp Type	Power in watts	Cost in cents per hour	Cost in cents at 8 hours per day	Cost at 365 days per year
Halogen	62	1.37	10.96	\$40.00
Florescent	26	0.58	4.64	\$14.94
ALG1 LED	2.1	0.04	0.32	\$1.16

## CARBON EMISSIONS TO THE ATMOSPHERE

To create electricity of 1KWH (1000 watts for 1 hour) 1.37 pounds of carbon dioxide is given off into the earth's atmosphere in 1 hour.

Lamp Type	Power in Watts	Pounds of emission in 1 Hour	Pounds in 5 hours	Pounds in 365 days
Halogen	62	.08494	.4247	155.02
Florescent	26	.03836	.1918	70.0
ALG1 LED	2.1	.002877	.0144	5.26

## ALDG1 & ALDG2 FITTINGS

AUZLED Lighting has designed and manufactured a selection of round and square shaped ceiling fittings in white or brushed silver. The die-cast fittings feature a terminal box plus spring mounts to enable easy installation. AUZLED Lighting is Australia's premier designer and manufacturer of superior quality 240 Volt LED products covering a wide range of commercial, industrial, marine, hospitality, retail and residential applications.



## OPERATING TEMPERATURE, POWER & LIFESPAN COMPARISONS

	Mirror backed floodlight	Florescent globe & ballast	LED (light Emitting Diode) Lamp
Heat generated/globe	170 C	120 C	31 C
Power consumption	150 Watt	48 Watt	5.7 Watt
Hours/life UP TO	5000	5000	50,000

## RUNNING COSTS COMPARED TO ALE4 LED

Calculated on the domestic cost of electricity being charged at 22.20 cents per kilowatt-hour - including GST. Meaning that it costs 22.20 cents per hour for 1000 watts - the comparison running costs include ballast where fitted.

Lamp Type	Power in watts	Cost in cents per hour	Cost in cents at 8 hours per day	Cost at 365 days per year
Flood light	150	3.33	26.64	\$97.24
Florescent	48	1.06	8.48	\$30.95
ALE4 LED	5.7	0.12	0.96	\$3.50

## CARBON EMISSIONS TO THE ATMOSPHERE

To create electricity of 1KWH (1000 watts for 1 hour) 1.37 pounds of carbon dioxide is given off into the earth's atmosphere in 1 hour.

Lamp Type	Power in Watts	Pounds of emission in 1 Hour	Pounds in 5 hours	Pounds in 365 days
Flood light	150	0.21	1.05	383.25
Florescent	48	0.066	0.33	120.45
ALE4 LED	5.7	0.008	0.04	14.6

AUZLED's development team installed 108 - 3 watt LED lights and fittings into a Residential Aged Care facility providing a soft light compared to the existing harsh florescent lighting units. An annual review of the running expenses showed a reduction in power and maintenance costs of nearly \$1,000 per month.

