



ALE1 & ALE5 LED REPLACEMENT LAMPS



Input Voltage:	240V
Max Power Consumption:	2.1W
Frequency Range:	50hz
Operating Temperature:	31°C
Lamp Fitting:	E27
Beam Spread:	38°
Lifespan:	Up to 50,000 hours
Luminous Intensity:	400 Lux
Colours:	White & Warm
Head Diameter:	63 mm
Height:	87 mm & 66 mm
Weight:	103 gms & 96 gms

ALE1 & ALE5 DESCRIPTION:

The AUZLED 2.1W-240V ALE1 & ALE5 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 ALE1 & ALE5 LEDs do not have a heat-generating transformer and run 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 2.1W-240V ALE1 & ALE5 LEDs are designed to retrofit for the R63 reflector lamp while the ALE5 is a shorter version with both sharing the same technical data. Both provide minimal energy consumption and retrofit into any fittings with standard 240V E27 lamp holders for use in small down lights, roof cavities, custom positions, wall spots and ceiling fittings. 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 ALE1 & ALE5 LEDs provide a cost-effective form of down lighting that is a money saving alternative to expensive low voltage halogen and florescent globe and ballast lighting costs each month.

ALE3 & ALE7 LED REPLACEMENT LAMPS



Input Voltage:	240V
Max Power Consumption:	3.8W
Frequency Range:	50hz
Operating Temperature:	31°C
Lamp Fitting:	E27
Beam Spread:	38°
Lifespan:	Up to 50,000 hours
Luminous Intensity:	550 Lux
Colours:	White & Warm
Head Diameter:	95 mm
Height:	125 mm & 100 mm
Weight:	268 gms & 238 gms

ALE3 & ALE7 DESCRIPTION:

The AUZLED 3.8W-240V ALE3 & ALE7 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 3.8W-240V ALE3 & ALE7 LEDs do not have a heat-generating transformer and run 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 3.8W-240V ALE3 & ALE7 LEDs are designed to retrofit for the R90 reflector lamp while the ALE7 is a shorter version with both sharing the same technical data. Both provide minimal energy consumption and retrofit into any fittings with standard 240V E27 lamp holders for use in small down lights, roof cavities, custom positions, wall spots and ceiling fittings. 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 3.8W-240V ALE3 & ALE7 LEDs provide a cost-effective form of down lighting that is a money saving alternative to expensive low voltage halogen and florescent globe and ballast lighting costs each month.

OPERATING TEMPERATURE, POWER & LIFESPAN COMPARISONS

	Florescent globe & ballast	LED (Light Emitting Diode) Lamp
Heat generated/globe	120 C	31 C
Power consumption	26 Watt	2.1 Watt
Hours / life up to	5,000	50,000

RUNNING COSTS COMPARED TO ALE1 & ALE5

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 ballasts 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
Florescent	26	0.58	4.64	\$14.94
ALE1 - ALE5	2.1	0.04	0.32	\$1.16

CARBON EMISSIONS TO THE ATMOSPHERE

To create electricity of 1KWH (1000 watts for 1 hour) .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
Florescent	26	.03836	.1918	70.0
ALE1 - ALE5	2.1	.002877	.0144	5.26

ORDERING DETAILS:

ALE1W	R63 LONG WHITE
ALE1WW	R63 LONG WARM WHITE
ALE5W	R63 SHORT WHITE
ALE5WW	R63 SHORT WARM WHITE

ALE5 LED REPLACEMENT LAMP



OPERATING TEMPERATURE, POWER & LIFESPAN COMPARISONS

	Florescent globe & ballast	LED (Light Emitting Diode) Lamp
Heat generated/globe	120 C	31 C
Power consumption	44 Watt	3.8 Watt
Hours / life up to	5,000	50,000

RUNNING COSTS COMPARED TO ALE1 & ALE5

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 ballasts 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
Florescent	44	0.98	7.81	\$28.52
ALE3 - ALE7	3.8	0.08	0.67	\$2.46

CARBON EMISSIONS TO THE ATMOSPHERE

To create electricity of 1KWH (1000 watts for 1 hour) .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
Florescent	44	.06	.30	109.5
ALE3 - ALE7	3.8	.005	.025	9.125

ORDERING DETAILS:

ALE3W	R90 LONG WHITE
ALE3WW	R90 LONG WARM WHITE
ALE7W	R90 SHORT WHITE
ALE7WW	R90 SHORT WARM WHITE

ALE7 LED REPLACEMENT LAMP

