

LED & CLS TRAFFIC SIGNAL LANTERNS

**FOR EUROPEAN AND BRITISH
STANDARDS BSEN12368-2006**

High quality LED lanterns specifically designed to meet European and UK standards. Available in 200mm, 300mm diameter sizes, and 230V, 48V, 42V AC power supply

FEATURES

- Clear front lens for maximum visibility
- Coloured lens corresponds to LED colour to minimize chance of false recognition
- Available in 200mm and 300mm sizes
- Available in 230V, 48V and 42V AC
- Optically tested LED array for uniform light output
- High luminous output
- IP65 protection against dust and moisture
- Specifically designed to comply with BSEN12368:2006
- Operates in high temperatures
- Low power consumption
- LED light source for long term reliability and operational life
- Low output degradation
- Low sun-phantom intensity
- Low veiling reflection
- Retrofit optics available



HIGH POWER EFFICIENCY

- Aldridge LED lanterns consume less than 20% of power compared to a halogen lantern.

ACCREDITED MECHANICAL RELIABILITY

- Aldridge LED lanterns has passed rigorous environmental test such as solar radiation, vibration, temperature, bump and IP65 specified in BSEN12368:2006. It has a proven field record of long term reliability.

LAMP FAILURE MONITORING

- Aldridge LED signals are fitted with power supply with self monitoring of LED failure. If 20% or 30% (can be customized) of LED fails, the aspect will shut down automatically. The shut down is latched permanently by a relay until manual reset by press of a button to ensure maximum safety.

LIGHT OUTPUT DIMMING

- Luminance intensity is controllable by varying input voltage or by phase control. The signals have linear dimming characteristics.

RETROFITTING

- Aldridge lanterns comes in standard 200mm or 300 mm diameter. Therefore lanterns can fit directly into various brand of lantern housing.

SPECIFICATIONS — VEHICLE

TECHNOLOGY	InGaN and AlInGap High intensity LED
SPECIFICATIONS:	
UNITED KINGDOM	TR2206
EUROPE	BSEN12368:2006 HD638
LUMINOUS INTENSITY	Class 3:2 400-2500 cd
ANGULAR DISTRIBUTION	Table 4 Medium Wide Beam
LUMINOUS UNIFORMITY	1:10
SUN PHANTOM	Class 5
SIGNAL COLOUR	Complies with BSEN12368:2006
COMBINED COLOURS	Complies with BSEN12368:2006
OPERATING TEMPERATURE	-15°C ~ +70°C

SPECIFICATIONS — VEHICLE

	230V MODEL	48V MODEL	42V MODEL
NORMAL BRIGHTNESS VOLTAGE	230V AC	48V AC	42V AC
DIMMED BRIGHTNESS VOLTAGE	165V AC	32V AC	28V AC
LINEAR DIMMING RANGE	160~230V AC	28~48V AC	26~42V AC
OPERATING VOLTAGE RANGE	120~280V AC	20~55 V AC	18~49V AC
POWER CONSUMPTION	230V MODEL	48V MODEL	42V MODEL
NORMAL	10~12W	10~12W	10~12W
DIMMED	5~6W	5~6W	5~6W
POWER FACTOR	>0.97	>0.97	>0.97
SWITCHING TIME	<120ms	<120ms	<120ms