

ALDRIDGE

*Traffic Solutions
beyond tomorrow.*



TRAFFIC SIGNAL HEAD

TRAFFIC
TECHNOLOGIES

www.aldridgetraffic.co.uk

ALDRIDGE TRAFFIC SYSTEMS

TRAFFIC SIGNAL HEAD

The Aldridge Signal head is a high quality robust polycarbonate housing with LED lanterns specifically designed to meet all relevant European and UK standards. The simple modular design is easy to install and maintain providing a variety of signal head configurations for junction layouts. With LED lanterns available in 200 mm diameter for 230v & 48v AC power supplies they typically consume 20% less than an equivalent HI signal.

PRODUCT FEATURES

- Modular design
- Robust UV and weather resistant polycarbonate construction
- Illumination options for Tungsten Halogen LED Array & LED Central light source
- Easy to maintain with quick lamp change
- Robust locking and hinge mechanism on aspect doors
- Multiple aspect assembly options together with backing boards
- Inter-changeable doors to accommodate 200 mm or 300 mm aspect sizes
- Box sign kit available to accommodate TSRGD regulatory signs



OPERATIONAL FEATURES

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

TECHNICAL FEATURES

HIGH POWER EFFICIENCY

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

ACCREDITED MECHANICAL RELIABILITY

ATS lantern housing and LED lanterns are CE certified and have passed rigorous environmental tests 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

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

RETROFITTING

The ATS aspect is available in standard 200 mm diameter. Therefore lanterns can be retrofitted into various brand of lantern housing.



TECHNICAL DATA

OPTICAL

TECHNOLOGY	IngaN and AlIngap high intensity LED
SPECIFICATIONS	TBC
UNITED KINGDOM	TR2206
EUROPE	BSEN12368:2006 / HD638
LUMINOUS INTENSITY	Class3:2 400-2500 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 to 70°C

TECHNICAL DATA

ELECTRICAL

	230V MODEL	48V MODEL
NORMAL BRIGHTNESS VOLTAGE	230VAC	48VAC
DIMMED BRIGHTNESS VOLTAGE	165VAC	2VAC
LINEAR DIMMING RANGE	160~230VAC	28~48VAC
OPERATING VOLTAGE RANGE	120~280VAC	20~55VAC
POWER CONSUMPTION		
NORMAL	10~12W	10~12W
DIMMED	5~6W	5~6W
POWER FACTOR	>0.97	>0.97
SWITCHING TIME	<120 ms	<120 ms