

# Aldridge Traffic Systems

A Subsidiary of Traffic Technologies Ltd



## 300MM Q.H. VEHICLE LANTERNS

### FEATURES

#### 300MM QUARTZ HALOGEN LANTERNS

- High intensity
- Durable thermoplastic components
- Exceptional structural strength
- U.V. stabilised components
- High reflectivity reflectors
- A range of polycarbonate and acrylic lenses
- Anti sun-phantom septums
- Adjustable lantern mounting centres
- Dust sealed beam enclosure
- Double insulated wiring
- Quality Class H transformers
- Meets International Standard specifications
- Injected moulded or aluminium sheet metal housing polyester powder coated
- Suits all weather and operating environments
- Available 50 Watt configuration
- Accepts Q.H. lamps produced by a number of leading manufacturers
- Dual hinging doors
- Simple reliable lamp holder one handed operation to change globe
- Available with wide range of accessories
- Compatible with 200mm lanterns for mounting of mixed combinations
- IP35 Protection

Aldridge Traffic Systems (ATS) 300mm lantern utilises a proven lantern housing design. Through the use of thermoplastic or diecast material selection and production control, a long life and durability of the lanterns is ensured.

The dust sealed lens / reflector beam enclosure significantly reduces optical system cleaning requirements, thereby reducing maintenance costs.

Lenses are available which will meet American ITE, British Standards BS505 and Australian AS/NZS2144:2002 chromaticity performance requirements. The colour fast properties of lenses are operationally proven.

The lanterns are designed to nest, permitting compact multi-lantern post (pedestal) mounting. Visors and target boards are specially designed for easy in-field replacement, in the event of damage.

The vacuum impregnated and conservatively rated transformers provide reliable, safe performance and manufactured to AS3108.



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### LANTERN OPTIONS

ATS 300mm lanterns are normally available in one, two or three aspect sizes but the modular design permits ATS to supply lanterns with four or more aspects, to order. Lanterns may be supplied with arrow (or special) display in any specified combination of aspects. Lunar white lenses are also available to order. Customers may specify ATS lanterns fitted with target boards, visors mounting straps and louvres. Special length interconnecting cable is also available on special order.

### Mounting Dimensions

Please refer to the LED Lantern brochure for the mounting dimensions.

### Accessories

ATS vehicle lanterns are available with a full range of accessories including:

- Target boards with white border
- Target boards without border
- 150mm, 300mm and 500mm mounting straps
- 200mm long, open type visors
- 300mm long, closed type visors
- 400mm long, closed type visors
- Left and right cutaway visors in 300mm and 400mm lengths
- Half and full horizontal louvres
- Half and full vertical louvres

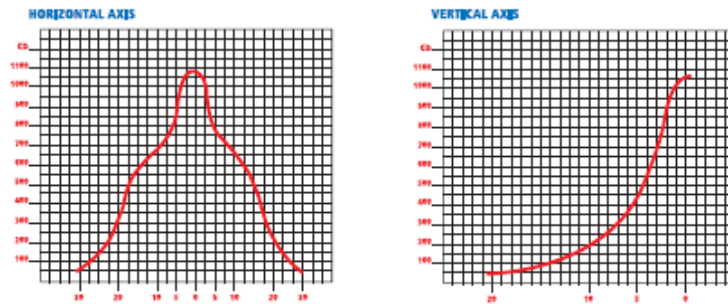
### Transformer

Primary	240V
Secondary	9.95V to 10.02V MAX
Type	Class H
Rating	50 VA
Frequency	50 / 60Hz

This vacuum impregnated transformer is manufactured to AS3108, VL11.

Other transformers are available for other primary input voltages and 12 volt secondary, to order.

### TYPICAL POLAR CURVES - RED & GREEN



The Polar curves given above are typical of the performance characteristics of ATS 300mm Q.H. lanterns for red and green aspects and serve as a guide only. Detailed test results from recognised laboratories are available upon request. Values for yellow aspects will be approximately 2<sup>1/2</sup> times the above values.

### Lamp

Wattage	50 Watts
Rated Voltage	10 V
Light Output	820 lm
Burning Position	Horizontal

The lantern will accept Phillips type No. 13526, Tungram No. 32160 or Wontan (Osram) Cat. No. 64015 type lamps, having base type PKX.22S

### Typical Chromacity Co-ordinates

Red	x=0.680	y=0.319
Yellow	x=0.567	y=0.431
Green	x=0.218	y=0.524

### Complies with requirements of AS/NZS2144:2002

### Optional Displays

To give reliable arrow and other similar lantern aspect display, ATS offer internal mounting masks, punched and formed to fit snugly inside the lens.

These masks are manufactured from polypropylene or aluminium. They serve to eliminate peeling problems plus enhance lantern cleaning and product versatility. The masks available for vehicles lanterns include:

- Arrow masks to AS/NZS2144:2002 and BS505. These universally suit right turn, left turn, straight ahead applications. The masks may be mounted in any red, yellow or green aspect.
- Special masks to suit Bus (B), Tram (T), or similar are available and the internal mask concept permits ATS to generate displays to suit a variety of client needs and specifications.