

Aldridge Traffic Systems

A Subsidiary of Traffic Technologies Ltd



200MM Q.H. VEHICLE LANTERNS

FEATURES

200MM QUARTZ HALOGEN LANTERNS

- High intensity
- Durable thermoplastic components
- Exceptional structural strength
- U.V. stabilised components
- High reflectivity reflectors
- A range of acrylic lenses
- Adjustable lantern mounting centres
- Dust sealed beam enclosure
- Double insulated wiring
- Quality Class H transformers
- Meets international Standard specifications
- Injected moulded or aluminium pressure diecast modular housing components
- Suits all weather and operating environments
- Available in 35 or 50 Watts 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
- IP35 Protection
- IP65 Upon request

Aldridge Traffic Systems (ATS) 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, VL11.



Quality
Endorsed
Company
NO 2021 Lic 124
5th Global



WORLD RECOGNISED
ACCREDITATION

Aldridge Traffic Systems

A Subsidiary of Traffic Technologies Ltd



200MM Q.H. VEHICLE LANTERNS

LANTERN OPTIONS

ATS 200mm 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
- 200mm long, closed type visors
- 300mm long, closed type visors
- Left and right cutaway visors in 200, 300 and 400mm lengths
- Half and full horizontal louvres
- Half and full vertical louvres

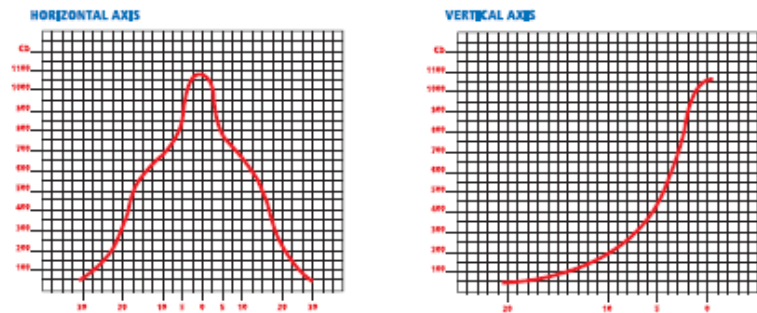
Transformer

| | |
|-----------|---------------------|
| 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 200mm 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 $2^{1/2}$ times the above values.

Lamp

| | | |
|-----------------|------------|------------|
| Wattage | 20 watts | 30watts |
| Rated Voltage | 10 V | 10 V |
| Light Output | 8200 lm | 525 lm |
| Burning Postion | Horizontal | Horizontal |

The lantern will accept Phillips type No. 13526 6611, Tungram No. 32160 or Wontan (Osram) Cat. No. 64015 type lamps, having base type PKX.225

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 vehices 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.