

CLS TRAFFIC SIGNAL LANTERNS

200mm 300mm



FEATURES OPTICAL MODULE

- Meets all requirements of AS-2144
- Available in 200mm and 300mm sizes
- Available in Aluminium, Polycarbonate and Recyclable Go Green Enviro Housing
- Available in:
 - 230V AC (LV)
 - 42V AC (ELV) Dim-By-Wire
- High luminous output
- Low output degradation
- Low sun-phantom intensity
- Uniform lens illumination
- No veiling reflection
- Coloured lens corresponding to LED colour to minimize chance of false recognition
- Wide range of temperature operation
- IP65 protection against dust and moisture
- Compatible with existing Traffic Controllers in relation to dimming and monitoring
- Long term reliability and operational life
- Substantial energy and cost saving
- Low maintenance
- Easy retrofit optics available
- Symbolic signals available

SPECIFICATIONS

DISPLAY TECHNOLOGY	InGaN and AlInGaP High intensity LED
OPTICAL MODULE DIMENSION	200mm / 300mm roundel
LUMINOUS INTENSITY	Comply per AS-2144
SIGNAL COLOUR	Red/ Amber/ Green/White per AS/2144
OPERATING TEMPERATURE	-15° C ~ +55°C
IP CLASS	Class II IP65 Optical module / IP35 Housing
EMC/ELECTRICAL SAFETY STANDARD	AS 61000.6.1, AS 61000.6.3, AS-NZS 3100
ENVIRONMENTAL TEST	AS/IEC 60068.2.14, 2.2, 2.30, 2.5, 2.64
POWER	7~9W (200mm) 10~13W (300mm)
POWER FACTOR	>0.99
OPERATING VOLTAGE	230V AC (LV) 42V AC (ELV) Dim-By-Wire
APPROVAL STANDARDS	AS-2144, Vicroads (TCS-038) NSW (TSI-SP-045) NZ (AS-2144)

RED ASPECT (200mm)	YELLOW ASPECT (200mm)	GREEN ASPECT (200mm)
X = 0.693	X = 0.570	X = 0.074
Y = 0.305	Y = 0.429	Y = 0.549
RED ASPECT (300mm)	YELLOW ASPECT (330mm)	GREEN ASPECT (300mm)
X = 0.688	X = 0.572	X = 0.081
Y = 0.312	Y = 0.425	Y = 0.580

For electromagnetic compatibility and immunity complies with the requirements of AS-2144 as per AS/NZS4252.1. IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC1000-4-6.

FEATURES LANTERN HOUSING

- U.V. stabilized components
- Adjustable lantern mounting centers
- Exceptional structural strength
- Dual side hinging doors
- Available with wide range of accessories
- Lanterns are available in 1, 2, 3 or 4 aspects
- Door locking clips available as an anti theft device Benefits Durable thermoplastic components
- Injection moulded plastic or aluminum housing components

TECHNOLOGY

Using high intensity LEDs, CLS delivers a more uniform light distribution. The signal is seen as one single light source, with no visible diodes compared to traditional LED signals which are visually seen as single LEDs grouped to form a light source. CLS provides a more comfortable visual to road user.

LANTERN OPTIONS

Aldridge LED Lanterns are normally available in one, two or three aspect sizes, but the modular design permits Aldridge 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. Customers may specify Aldridge lanterns fitted with target boards, visors, mounting straps and louvres etc. Special length interconnecting cable is also available on special order. Cable is also available on special order.

ACCESSORIES

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

- Target boards with white border
- Target boards without border
- Various length mounting straps
- Various cable harness lengths are available

Our visors come in the following sizes:

- 200mm or 300mm, open type visors
- 200mm or 300mm, closed type visors
- Left and right cutaway visors
- Half and full vertical louvres
- Half and full horizontal louvres

Traffic Signal Lanterns fitted with **Central Light Source (CLS)** Signal, utilizing latest generation high intensity LED and optical lens design. Designed to meet Australian Standards.

