

# CLS TRAFFIC AND SYMBOLIC 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

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



ARROW (200mm)	ARROW (200mm)	ARROW (200mm)
X = 0.693	X = 0.570	X = 0.074
Y = 0.305	Y = 0.429	Y = 0.549
ARROW (300mm)	ARROW (300mm)	ARROW (300mm)
X = 0.685	X = 0.573	X = 0.058
Y = 0.315	Y = 0.424	Y = 0.608

## SYMBOLIC SIGNALS AVAILABLE IN STANDARD COLOURS



## 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

