



**Aldridge  
Traffic Systems**



monash freeway



**LED STREET &  
ROAD LIGHTING**



**traffic**<sup>®</sup>  
technologies.ltd

Traffic Technologies Ltd is Australia's Premier Traffic Company in providing innovative and cost effective solutions to the traffic industry.

Established in 2004 and listed on the Australian Stock Exchange in 2005 (ASX stock code: tti), Traffic Technologies has gained a strong reputation in a demanding industry through its technical products, signage division and traffic controller operations.

The Technical Products Division operates through the subsidiary company, Aldridge Traffic Systems (ATS), which specialises in the design, manufacture and installation of traffic signals, portable roadside technology, variable message signs (VMS) emergency telephones and road lighting. With a state of the art manufacturing facility and a "NATA" laboratory, ATS is able to deliver effective, timely and intelligent solutions to local and international customers.

The Signage Division operates through the subsidiary company, De Neeffe, which manufactures and supplies a complete range of directional and regulatory traffic signs and traffic control products to road traffic authorities, municipal councils and the construction industry. With manufacturing plants across the country, customers are assured of service and quality within dedicated time frames.

The Controller Division Quick Turn Circuits (QTC) was established in 1995 and has a history in developing, manufacturing and maintaining traffic and transport related systems for almost 20 years. QTC is one of the leading manufacturers of traffic controllers in Australia, based on the Sydney Coordinated Adaptive Traffic System (known as SCATS) which is used and operated in 27 countries and controls some 37,000 intersections worldwide. With a proven track record, QTC is able to deliver leading edge integrated turnkey solutions for local and international markets.

Our company's head office is located in Eltham, Victoria, Australia and has offices located in Sydney, Brisbane, Darwin, Canberra, Adelaide, Perth, Hobart and internationally in the United Kingdom (UK) along with a distribution network in Brunei, Chile, China, Colombia, Denmark, Ecuador, England, Fiji, Greece, Hong Kong, India, Ireland, Malaysia, Mexico, New Zealand, Pakistan, Philippines, Qatar, Russia, Saudi Arabia, Singapore and South Africa. Through this network our customers can be assured they will receive exceptional service and quality thanks to our highly trained and experienced staff and state of the art manufacturing facilities.







**Aldridge  
Traffic Group**

## **INNOVATIVE TRAFFIC SOLUTIONS**

*Subsidiary of Traffic Technologies Ltd*

Aldridge Traffic Systems Pty Ltd (ATS), a subsidiary company of Traffic Technologies Ltd, has over 40 years experience in the design, manufacture and installation of traffic signals, emergency telephones, portable roadside technology and road lighting products, with a state of art manufacturing centre situated at Rhodes, NSW, Australia and head office at Eltham, Victoria, Australia.

For more than 35 years we have been involved in many of the most prominent road and traffic lighting projects in Australia. Our substantial resources and efforts are committed to designing, manufacturing and supplying products and services to the Road and traffic industry.

Aldridge Traffic Systems Pty Ltd is quality endorsed to ISO9001:2008 and is WHS Certified to AS4801 in Occupational Health Safety. Our quality management system covers all the requirements of this standard and embodies our core processes of customer service, product development, manufacture and delivery, while a dedicated Quality department ensures the management, monitoring and improvement of the system.

Our experienced team of managers and engineers have exceptional knowledge of the road and traffic industry, and our ongoing research program ensures that our products incorporate the latest technology, enabling us to meet and exceed the expectations of our customers. Our distribution network includes offices throughout Australia and the United Kingdom. With agents and distributors in Ireland, Denmark, France, Spain, Singapore, Malaysia, Thailand, Sri Lanka, India, New Zealand, South America and UAE.

### **Aldridge Lighting Systems (ALS)** Lighting Solutions

We provide state of the art vehicle and pedestrian lighting for major arterial roads, tunnels, underpasses, major intersections, low-traffic urban roads, pedestrian areas and car parks. We have the technology and experience to achieve the required illumination results for safe night time motoring in all road conditions.

Aldridge products and lighting systems use the latest technology and can be customised to provide the most effective and efficient lighting schemes to comply with the requirements of Australian Standard AS/NZS1158 for both vehicle and pedestrian categories and our design service utilises cutting edge computer programming along NATA photometric data in order to provide solutions to meet the most stringent industry requirements.

Along with our partnering arrangement with one of Europe's leading luminaire manufacturers, Fael Luce and our experienced delivery team no project is too small to design, audit, deliver, install and maintain in all facets of this exciting industry.



# P-LED

THE P-LED IS A HIGH PERFORMANCE  
ENERGY EFFICIENT ROAD LIGHTING  
LUMINAIRE.

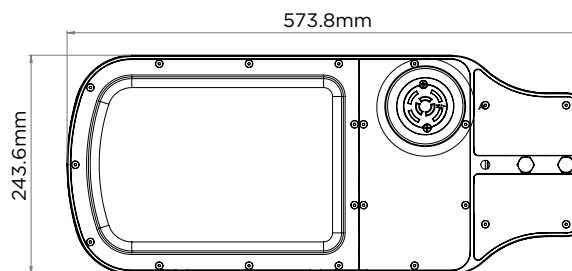
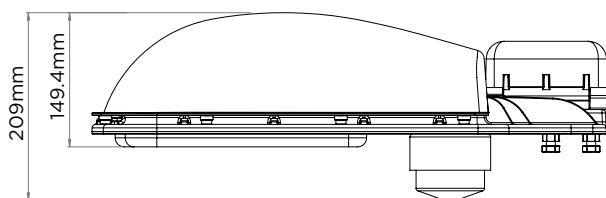
Designed with an advanced LED Optical System,  
that sets new standards for “P” Category Roadway  
Lighting. Designed in Australia specifically for  
the Australian & New Zealand Roadway market.

The P-LED embraces both High Performance  
and Functionality in design.





## Dimensions



## Features

- Robust design constructed using a high pressure die-cast aluminium body
- Integrated heat sinks for optimal rapid heat transfer, allowing for low LED temperatures increasing LED Life and Performance
- Standard drop or Aeroscreen lens High Performance CREE LED's
- Constant current driver with thermal cut-out & surge protection
- 10 Year warranty
- Complies with SA/SNZ TS 1158.6
- Fits 20mm-25mm nominal bore spigots (27mm-35mm O/D)
- IP66 Optical Chamber
- IP66 Electrical Chamber
- IP67 Electronic Driver
- Segregated Termination Chamber c/w hinged quick access latch system

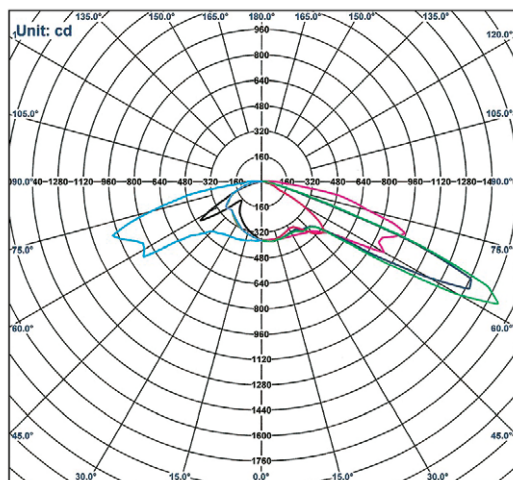
## Options

- 20W/30W/60W Arrangements
- Nema Photo Electrical Control 3/5/7 Pin Base Option
- Aeroscreen Visor
- Glareshield Visor
- Dimmable
- Colour: Grey/Black/White Powdercoat
- CCT 3000/5000K
- Decorative Perforated Cover

## Applications

- 'P' Category Roadways
- Suburban Roads
- Walkways
- Parks
- Including 'P4' & 'P5'
- Driveways
- Car Parks
- Security Lighting

## Photometric Design Data



## Specification

	20 SERIES	30 SERIES	60 SERIES
Catalogue Number	P2423W	P2430W	P4860W
Number of LED's	24	24	48
Current Drive	280mA	360mA	425mA
Correlated Colour Temperature	4,250k	4,250k	4,250k
Colour Rendering Index	>70	>70	>70
Input Voltage	240Vac / 50Hz Nominal	240Vac / 50Hz Nominal	240Vac / 50Hz Nominal
Systems Watts	23w	29.1w	60w
Total Run Current	0.108 Amps	0.125 Amps	0.25 Amps
Power factor Correction	0.97	0.97	0.97
Lamp and Driver Life Span	100,000 Hours	100,000 Hours	100,000 Hours
Ingress Protection	IP66	IP66	IP66
Impact Rating	IK06	IK06	IK06
Weight	6.8kg	6.8kg	6.8kg



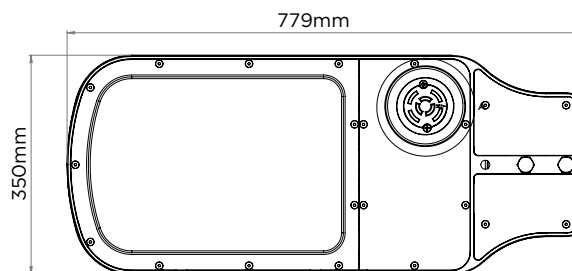
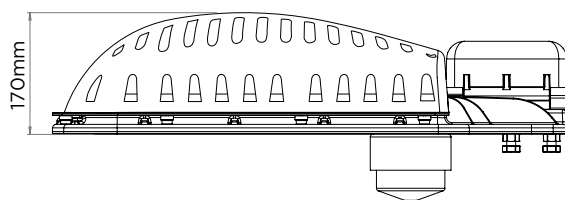
# V-LED

IN THE V- LED, HIGH PERFORMANCE  
& ENERGY EFFICIENT LIGHTING TAKES  
ON A NEW SHAPE & DIMENSION.

Inside the Ultra-thin luminaire is an advanced LED optical system that sets new standards for "V" Category Roadway lighting. Manufactured in Australia specifically for the Australian/New Zealand major road lighting market the V-LED embraces both high performance and functionality in design.



## Dimensions



## Features

- Robust design constructed using a high pressure die-cast aluminium body
- Integrated heat sinks for optimal rapid heat transfer, allowing for low LED temperatures increasing LED Life and Performance
- IP65 optical / control gear chamber
- Flat lens for reduced glare control
- High Performance CREE LED's
- Thermal Cut-out
- 32-40mm nominal bore pipe size
- 10 Year warranty
- Meets the Requirements of SA/SNZ TS 1158.6
- IP67 Electronic Driver
- Segregated Termination Chamber c/w hinge guide access latch system
- Optical performance via 3 distributions

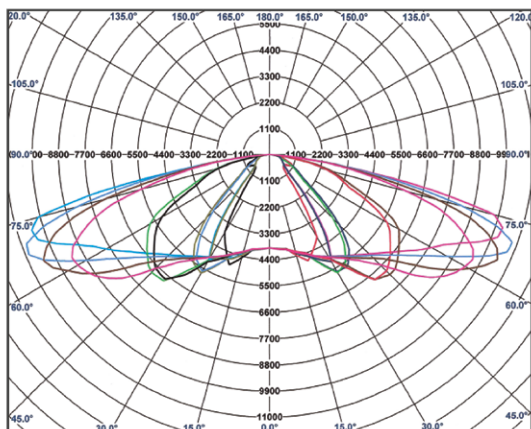
## Options

- 105W/198W/298W Arrangements
- Nema Photo Electrical Control 3/5/7 Pin Base Option
- Glareshield Visor
- Dimmable
- Colour: Grey/Black/White Powdercoat
- CCT 3000/5000K
- Photometric Distribution Type II III IV

## Applications

- 'V' Category Roadways
- Major Intersections
- Freeway Access Ramps
- Roundabouts
- Arterial Roads
- Highways
- Dual Carriageways
- Bridges
- Pedestrian Crossings
- Amenity

## Photometric Design Data



## Specification

	100 SERIES	200 SERIES	300 SERIES
Catalogue Number	V108-105W	V162-198W	V216-298W
LED Manufacturer	CREE	CREE	CREE
Number of LED's	108	162	216
Current Drive	383mA	383mA	450mA
Correlated Colour Temperature	4,200k	4,200k	4,200k
Colour Rendering Index	>70	>70	>70
Input Voltage	240Vac / 50Hz Nominal	240Vac / 50Hz Nominal	240Vac / 50Hz Nominal
Systems Watts	105w	198w	298w
Total Run Current	0.475 Amps	0.830 Amps	1.3 Amps
Lamp and Driver Life Span	100,000 Hours	100,000 Hours	100,000 Hours
Power factor Correction	0.96	0.96	0.96
Weight	<15kg	<15kg	<15kg
Remote Gear	<12kg	<12kg	<12kg
Impact Rating	IK06	IK06	IK06



## **Aldridge Traffic Systems**

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