

# ALDRIDGE

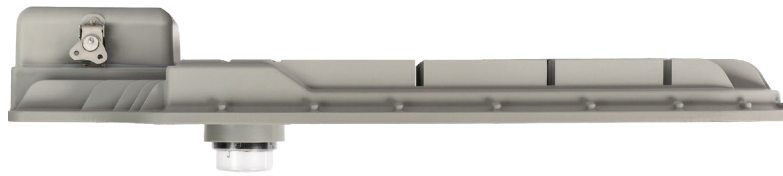


## V-LED II

### LED Lighting for Major Roads and Tunnels



**Z H A G A**  
Associate Member



# Aldridge Roadway Lighting Solutions

*LED street lights improve energy efficiency and energy affordability for local government, improve road safety and support the Government's smart cities agenda.*

Aldridge Traffic Systems design, manufacture and supply state-of-the-art vehicle and pedestrian LED lighting for major arterial roads, tunnels, underpasses, major intersections, low-traffic urban roads, public spaces, sports grounds and car parks. With over 30 years experience, Aldridge has the technology and experience required to obtain the best illumination results for safe night time motoring – in all road conditions. Together with energy cost savings which far exceed expectations, Aldridge provide a total lighting solution for the safety of motorists and pedestrians.

Aldridge have been supplying prominent roadway and pedestrian lighting projects throughout Australia and worldwide. Aldridge LED lighting systems use the latest technology through our smart city technology platform – TST, which can be customised to provide the most effective and efficient lighting schemes which comply with the requirements of Australian Standard AS/NZS1158 for both vehicle and pedestrian (V and P Categories).

Our design service utilises cutting edge technology along with NATA photometric data in order to provide the best solutions to meet the most stringent industry requirements.

Our experienced delivery team design, audit, deliver, install and maintain all facets of this exciting industry.

For a comprehensive guide to our lighting products please contact us for our latest catalogue.

Highways  
Major Roads  
Tunnels  
Underpasses



V-LED

'V-LED' – Gold Coast

# V-LED II

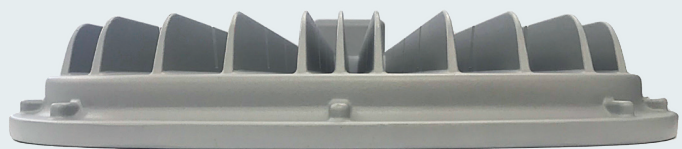
The V-LED MKII is a High Performance, Energy Efficient, Tunnel and Underpass Lighting Luminaire. Designed with an advanced LED Optical System, that sets new standards for 'V' Category Roadway Lighting. Proudly Designed in Australia by ATS.

## APPLICATIONS

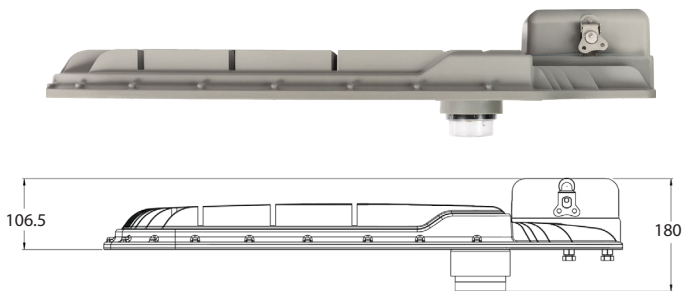
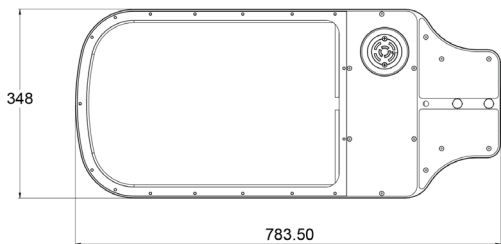
- Tunnels
- Underpasses
- Freeways
- Expressways
- Highways
- Motorways



'V-LED' Installation – Tasman Bridge, Tasmania



### Dimensions



### Features

- Smart City Ready - TST compatibility Zigbee, LoRa, NBIoT
- High Performance roadway luminaire designed to meet stringent Australian/New Zealand road lighting standard, AS/NZS 60698.2.3 & AS/NZS TS 1158.6
- High Performance Optics designed to comply and meet Australian standards AS1158-1.1 Cat V
- Direct replacement of conventional V - category High Pressure Sodium and Metal Halide luminaires
- Semi-cutoff and Aero screen (std) diffuser
- Integrated thermal management
- Segregated termination chamber c/w quick access
- 20 year Design Life
- 10 year warranty

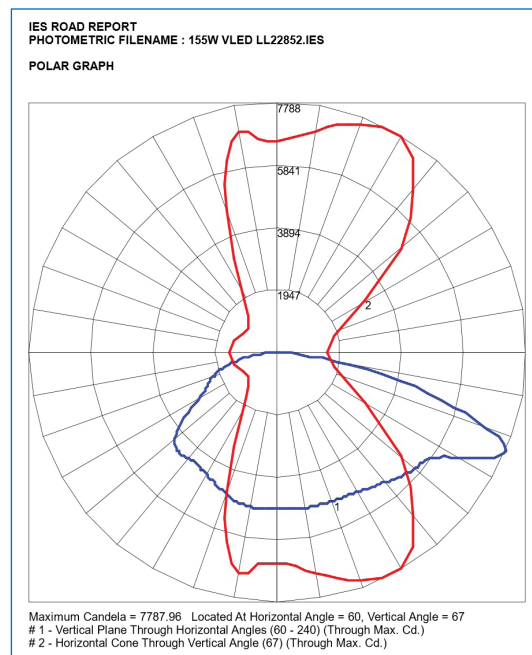
### Technical Data

- Body:** High Pressure Marine Grade Die Cast Aluminum
- Optics:** Type 2 - 3 - 5 - FT (Forward Throw)
- LED:** CREE
- Wattage:** 75 - 85 - 147 - 175 - 265 - 290 Watts
- Finishing:** Powder Coat (Grey Standard)
- Mounting:** 9 - 15 Metres
- Fixing:** Side Spigot Mount (32 - 40mm OD)
- IP rating:** IP66
- IK rating:** IK06
- Voltage:** 220V - 240V 50/60Hz
- Power Factor:** >0.9

### Options

- Photocell:** 7-pin Nema receptacle (7PN)
- Fuse Terminal Block:** (FTB)
- Surge Protection Device:** (SPD - 10KVA, 20KVA)
- Class II:** (DB - Double Insulated)
- Colour:** Black (BL), White (WH) Grey (GR - Standard)
- CCT:** 3000K, 4000K (Standard), 5000K
- Visor:** Glare shield/spill light kit (GV)
- Remote Gear:** (GV)
- 5° Tilt Adjustment Adapter:** (STA)

### Photometric Design Data



### Specification V-LED II

PRODUCT CODE	V75WT5N7P	V85WT5N7P	V147WT5N7P	V175WT5N7P	V265WT5N7P	V290WT5FTN7PBP
System Watts	75	85	147	175	265	290
Input Voltage (V)	220V - 240V 50/60Hz	220V - 240V 50/60Hz	220V - 240V 50/60Hz	220V - 240V 50/60Hz	220V - 240V 50/60Hz	220V - 240V 50/60Hz
CCT (K)	4000	4000	4000	4000	4000	4000
CRI	Ra>80	Ra>80	Ra>80	Ra>80	Ra>80	Ra>80
IP Protection	IP66	IP66	IP66	IP66	IP66	IP66
IK Protection	IK06	IK06	IK06	IK06	IK06	IK06
Weight (Kg) Remote Gear: Less 1.8Kg	<12kg	<12kg	<12kg	<13kg	<14kg	<14kg

Residential Roads

PLED II



BERLIN



BOSTON SE



BOSTON TE



Highways and Major Roads

V-LED MID



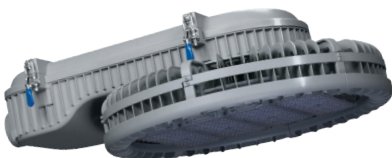
V-LED MKII



BOSTON V



H-LED



E-LED



Residential Roads

COMO C



COMO P



COMO S



COMO T



FLAT S



FLAT M



FLAT L



Tunnels and Underpasses

T-LED



V-LED MID



V-LED MKII



FLUD S



FLUD M



FLUD L



S-LED





## Aldridge Traffic Systems Pty Ltd

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