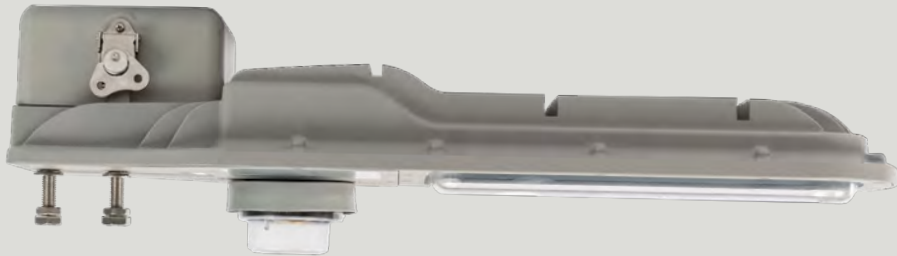


# ALDRIDGE



## P-LED II



## LED Lighting for Residential Roads

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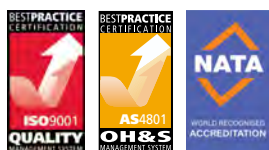
# Aldridge Roadway Lighting Solutions

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

Aldridge design and supply state of the art vehicle and pedestrian LED lighting for major arterial roads, tunnels, underpasses, major intersections, low-traffic urban roads, public space and car parks. 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 involved with prominent roadway and pedestrian lighting projects in Australia and worldwide. Aldridge products and LED lighting systems use the latest technology, 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 in all facets of this exciting industry.







#### APPLICATIONS

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

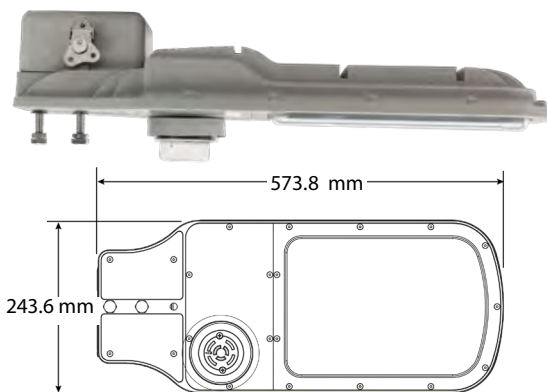
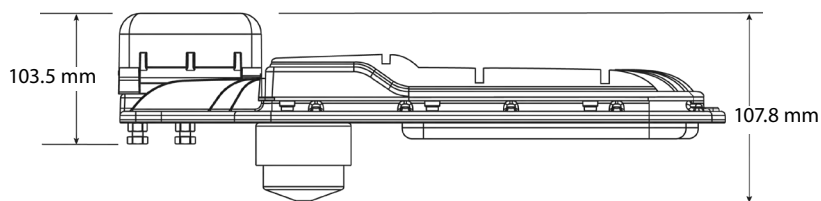
## P-LED II

Embraces both high performance and functionality in design. An 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 and New Zealand Roadway market





## Dimensions



## Features

- SmartCity Ready - TST compatibility Zigbee, LoRa, NBLoT
- High Performance Street Lighting luminaire designed to meet stringent Australian/New Zealand standards
- High Performance Optics designed to comply and meet Australian standards AS 1158.3.1 Cat. P
- Direct replacement of conventional P-category Mercury Vapour, Metal Halide, High Pressure Sodium and Fluorescent luminaires
- Integrated thermal management
- Segregated termination chamber c/w quick access latch
- Self cleaning housing and PMMA optical diffuser
- Semi-cutoff (SD - Std) and Aero screen diffusers (AE)
- 20 year design life
- 10 year warranty

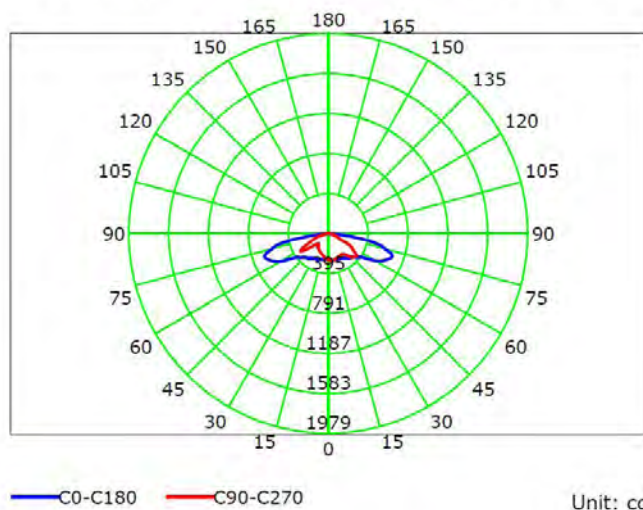


## Options

- Fuse Terminal Block:** (FTB)
- Surge Protection Device:** (SPD20KVA)
- Class II:** (DB - Double Insulated)
- Colour:** Grey (GR Standard), Black (BL), White (WH),
- CCT:** 3000K, 4000K (Standard), 5000K
- Visor:** Glareshield/spill light kit (GV)

## Photometric Design Data

### Luminous Intensity Distribution Curve



## Technical Data

- Body:** High Pressure Marine Grade Die Cast Aluminum
- Optics:** P4 & P5 Distribution
- LED:** CREE
- Wattage:** 12 - 14 - 20 - 27 - 57 Watts
- Finishing:** Powder Coat Grey (Grey Standard)
- Mounting:** 4 - 9 Metres
- Fixing:** Side Spigot Mount (27-35mm OD)
- IP rating:** IP66
- IK rating:** IK06
- Voltage:** 220V - 240V 50/60Hz
- Power Factor:** >0.9
- Nema:** Nema 7 receptacle (std)
- Surge Protection Device (SPD) :** 10KVa Standard

## Specification P-LED II

PRODUCT CODE	PLED.II.12W	PLED.II.14W	PLED.II.20W	PLED.II.30W	PLED.II.60W
Wattage (Watts)	12	14	20	27	57
System Watts	14	17	23	30	60
Input Voltage	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
CRI	Ra>80	Ra>80	Ra>80	Ra>80	Ra>80
IP Protection	IP66	IP66	IP66	IP66	IP66
IK Protection	IK06	IK06	IK06	IK06	IK06
Weight (Kg)-max.	<5kg	<5kg	5kg	6.8kg	7.4kg

## Residential Roads

PLED II



BERLIN



BOSTON SE



BOSTON TE



## Highways and Major Roads

V-LED MID



V-LED MKII



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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