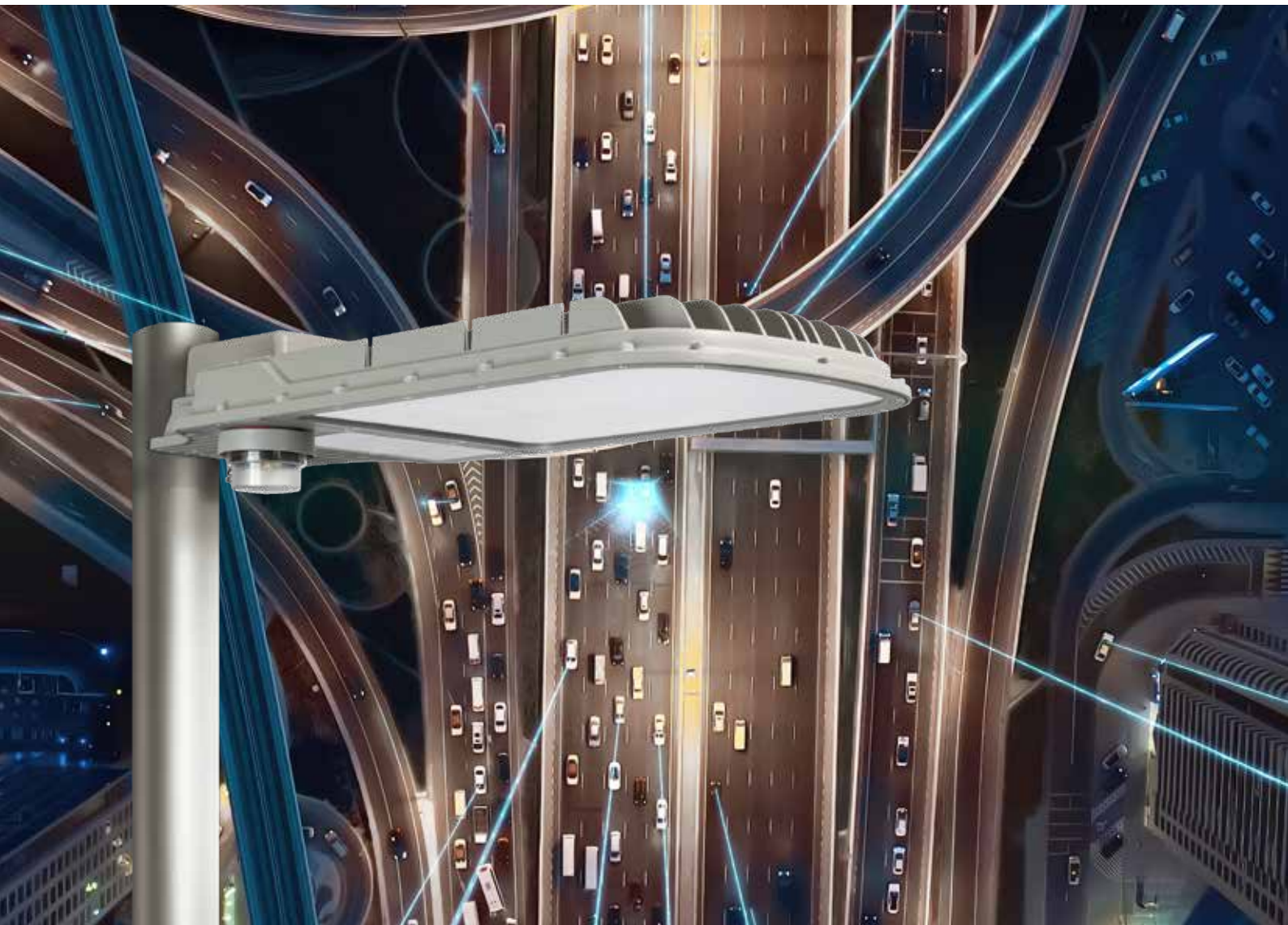


ALDRIDGE



Road, Street, Tunnel Lighting

Lighting the Roads and Highways Worldwide



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P. Cat Residential Roads

P. Cat.

PLED II



FLAT S



FLAT M



FLAT L



Decorative

COMO C



COMO P



COMO S



COMO T



Decorative

BOSTON TE



BOSTON SE



TASMAN



BERLIN



V. Cat Highways and Major Roads

V. Cat.

V-LED MKII



V-LED MKIII



Decorative

BOSTON V



High Mast

H-LED



E-LED



Tunnels and Underpasses

Security

S-LED



Flood

FLUD



FLUD X



T-LED



V. Cat.

V-LED MKII



V-LED MKIII



Aldridge Roadway Lighting Solutions

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

Aldridge Traffic Systems (ATS) design and produce state of the art, smart city ready vehicle and pedestrian LED lighting for major arterial roads, tunnels, underpasses, major intersections, low-traffic urban roads, public space and car parks.

ATS 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, ATS provide a total lighting solution for the safety of all road users and pedestrians.

ATS are involved with prominent roadway and pedestrian lighting projects throughout Australia and worldwide. ATS products and LED lighting systems utilise 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 employs advanced technologies along with NATA photometric data in order to provide the best solutions to meet the most stringent lighting requirements.

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

This comprehensive brochure will make it easy to identify product options and to match Aldridge luminaires and lamp technology to your specific project.

Contact our sales team to discuss your next project:

+61 2 9701 9900 or info@aldriggetraffic.com.au



Residential Roads



P-LED

Como

Boston

Flat

Berlin

12V 'P-LED'

P-LED II

Embraces both high performance and functionality in design. This incredible energy efficient P. Cat. road luminaire is designed with an advanced LED Optical System, that sets new standards for Roadway Lighting. Ranging from 13 Watts - 58 Watts.

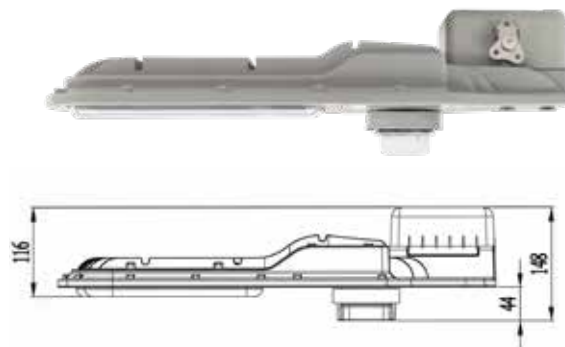
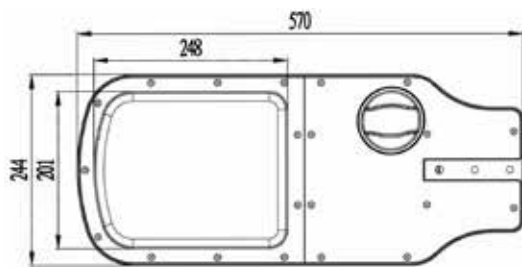
APPLICATIONS

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



ZHAGA, the next generation of Street Lighting Controller socket, is mounted onto our fittings and operated through a plug-and-play installation. It is the latest alternative, more compact DC connector, developed especially for today's contemporary designed LED light fittings. **Zhaga D4i Certified P-LED fittings** are future proof and available with both **Zhaga** and **NEMA** sockets. Developed according to a global lighting industry standard, **Zhaga** connectors can be deployed onto the P-LED range and integrated with our TST Smart City Solutions.

Dimensions



Features

- SmartCity Ready - TST compatibility Zigbee, LoRa, NB IoT
- 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
- Diffuser, Semi cut-off, Aeroscreen diffuser (AE)
- 7-pin Nema receptacle (7PN)
- 20 year design life
- 10 year warranty

Technical Data

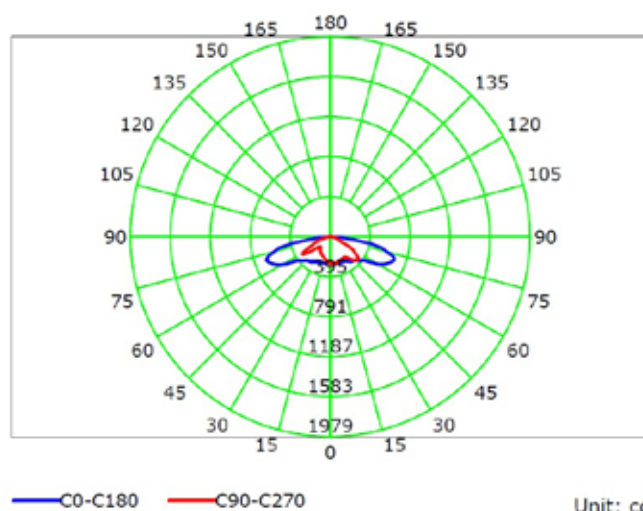
- Body:** High Pressure Marine Grade Die Cast Aluminum
- Optics:** P4 & P5 Distribution
- LED:** CREE
- Wattage:** 13 - 17 - 23 - 28 - 38 - 58 Watts
- Finishing:** Powder Coat Grey (Standard)
- Mounting:** 4 - 9 Metres
- Fixing:** Side Spigot mount (25-35mm NB) (42mm OD)
- IP rating:** IP66
- IK rating:** IK06
- Voltage:** 220V - 240V 50/60Hz
- Power Factor:** >0.9

Options

- DALI-2 , D4i**
- Zhaga:** Street Lighting Controller
- Fuse Terminal Block: (FTB)**
- Surge Protection Device:** 10KVA, 20KVA
- Class II:** (DB - Double Insulated)
- Colour:** Grey (GR Standard), Black (BL)
- CCT:** 3000K, **4000K (Standard)**, 5000K
- Visor:** Glareshield/spill light kit (GV)



Photometric Design Data



Specification P-LED II

| PRODUCT CODE | PLED.II.13W | PLED.II.14W | PLED.II.20W | PLED.II.30W | PLED.II.40W | PLED.II.60W |
|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| System Watts | 13 | 17 | 23 | 28 | 38 | 58 |
| Input Voltage | 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)-max. | 5kg | 5kg | 5kg | 6.8kg | 6.8kg | 7.4kg |

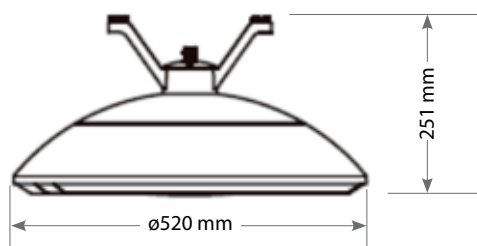
COMO Series

The COMO LED fitting is an energy efficient, low profile, street and area LED luminaire. This versatile range comes in 6 wattages and 4 mounting configurations, to complement contemporary and urban areas.

APPLICATIONS

- 'P' Category Roadways
- Suburban Roads
- Walkways
- Parks
- Driveways
- Car Parks
- Security Lighting

Dimensions



Features

- Designed to meet stringent Australian Standards
- Self cleaning housing and optical diffuser
- High Performance LED & Optics to meet AS/NZ1158
- Integrated thermal management
- Segregated termination point
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

Options

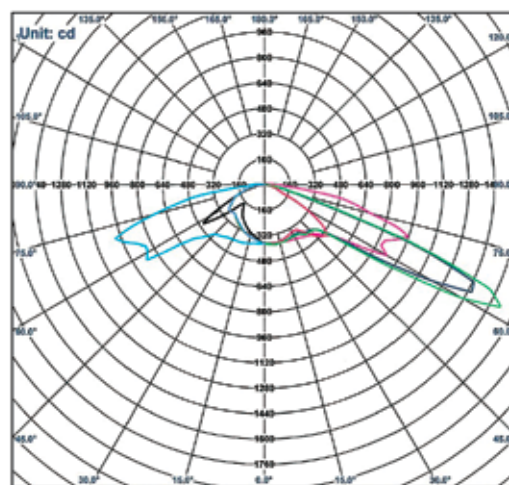
- **Photocell:** 7-pin Nema receptacle (7PN)
- **Fuse Terminal Block:** (FTB)
- **Surge Protection Device:** (SPD - 10KVA, 20KVA)
- **Class II:** (DB - Double Insulated)
- **Colour:** Black (BL), Grey (GR-Standard)
- **CCT:** 3000K, **4000K (Standard)**, 5000K
- **Visor:** Glareshield/spill light kit (GV)



Technical Data

- **Body:** High Pressure Marine Grade Die Cast Aluminum
- **Optics:** Type 3 Distribution
- **LED #:** CREE 24 - 48
- **Wattage:** 13 - 17 - 23 - 28 - 38 - 58 Watts
- **Finishing:** Powder Coat Grey (GR-Standard)
- **Mounting:** 4 - 9 Metres
- **Fixing:** Catenary Wire or Surface Mount
- **IP rating:** IP66
- **IK rating:** IK08
- **Voltage:** 240V 50/60Hz
- **Power Factor:** >0.9

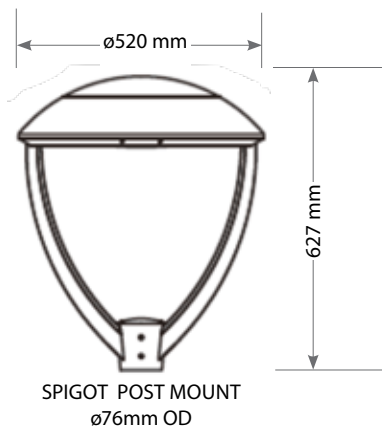
Photometric Design Data



Specification COMO-C - Catenary Wire

| PRODUCT CODE | CM.C.12W | CM.C.14W | CM.C.20W | CM.C.30W | CM.C.40W | CM.C.60W |
|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| System Watts | 13 | 17 | 23 | 28 | 38 | 58 |
| Input Voltage | 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)-max. | <5kg | <5kg | <5kg | <5kg | 6.8kg | 7.4kg |
| Weight (Kg) - max. | 12 | 12 | 12 | 12 | 12 | 12 |

Dimensions



Features

- Designed to meet stringent Australian Standards
- Self cleaning housing and optical diffuser
- High Performance LED and Optics to meet AS/NZ1158
- Integrated thermal management
- Segregated termination point
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

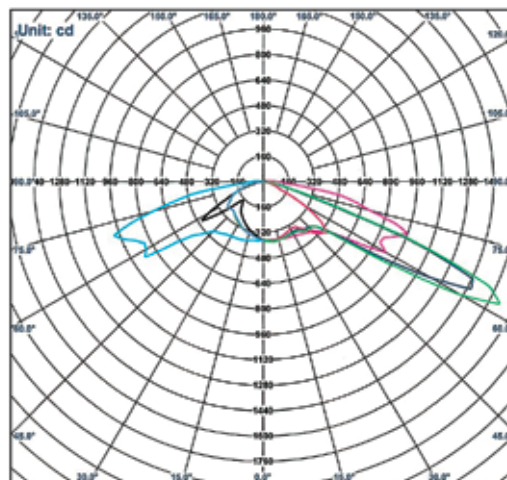
Options

- Photocell:** 7-pin Nema receptacle (7PN)
- Fuse Terminal Block:** (FTB)
- Surge Protection Device:** (SPD - 10KVA, 20KVA)
- Class II:** (DB - Double Insulated)
- Colour:** Black (BL), Grey (GR-Standard)
- CCT:** 3000K, **4000K (Standard)**, 5000K
- Visor:** Glareshield/spill light kit (GV)

Technical Data

- Body:** High Pressure Marine Grade Die Cast Aluminum
- Optics:** Type 3 Distribution
- LED #:** CREE 24 - 48
- Wattage:** 13 - 17 - 23 - 28 - 38 - 58 Watts
- Finishing:** Powder Coat Grey (GR-Standard)
- Mounting:** 4 - 9 Metres
- Fixing:** Post Mount
- IP rating:** IP66
- IK rating:** IK08
- Voltage:** 240V 50/60Hz
- Power Factor:** >0.9

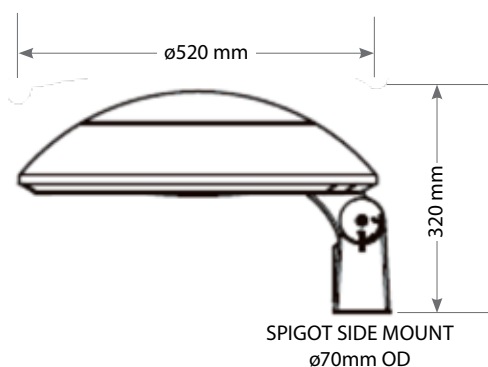
Photometric Design Data



Specification COMO-P - Post Mount

| PRODUCT CODE | CM.P.12W | CM.P.14W | CM.P.20W | CM.P.30W | CM.P.40W | CM.P.60W |
|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| System Watts | 13 | 17 | 23 | 28 | 38 | 58 |
| Input Voltage | 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)-max. | <5kg | <5kg | <5kg | <5kg | 6.8kg | 7.4kg |
| Weight (Kg) - max. | 12 | 12 | 12 | 12 | 12 | 12 |

Dimensions



Features

- Designed to meet stringent Australian Standards
- Self cleaning housing and optical diffuser
- High Performance LED and Optics to meet AS/NZ1158
- Integrated thermal management
- Segregated termination point
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

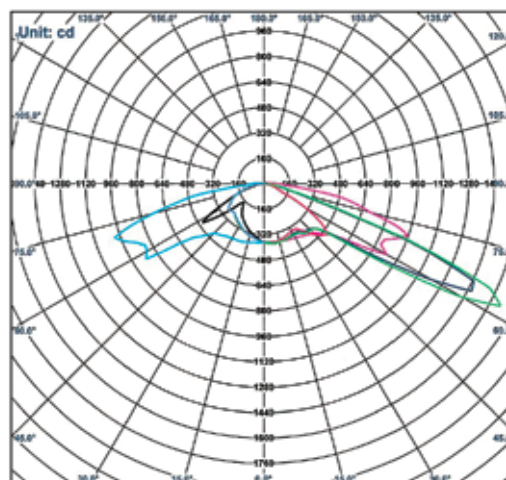
Options

- **Photocell:** 7-pin Nema receptacle (7PN)
- **Fuse Terminal Block:** (FTB)
- **Surge Protection Device:** (SPD - 10KVA, 20KVA)
- **Class II:** (DB - Double Insulated)
- **Colour:** Black (BL), Grey (GR-Standard)
- **CCT:** 3000K, **4000K (Standard)**, 5000K
- **Visor:** Glareshield/spill light kit (GV)

Technical Data

- **Body:** High Pressure Marine Grade Die Cast Aluminum
- **Optics:** Type 3 Distribution
- **LED #:** CREE 24 - 48
- **Wattage:** 13 - 17 - 23 - 28 - 38 - 58 Watts
- **Finishing:** Powder Coat Grey (GR-Standard)
- **Mounting:** 4 - 9 Metres
- **Fixing:** Side Mount
- **IP rating:** IP66
- **IK rating:** IK08
- **Voltage:** 240V 50/60Hz
- **Power Factor:** >0.9

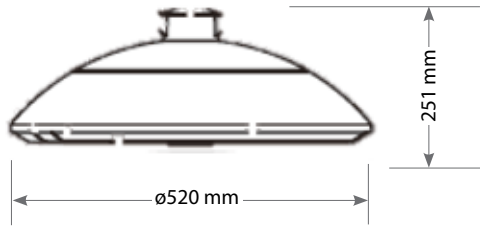
Photometric Design Data



Specification COMO-S - Side Mount

| PRODUCT CODE | CM.S.12W | CM.S.14W | CM.S.20W | CM.S.30W | CM.S.40W | CM.S.60W |
|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| System Watts | 13 | 17 | 23 | 28 | 38 | 58 |
| Input Voltage | 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)-max. | <5kg | <5kg | <5kg | <5kg | 6.8kg | 7.4kg |
| Weight (Kg) - max. | 12 | 12 | 12 | 12 | 12 | 12 |

Dimensions



Features

- Designed to meet stringent Australian Standards
- Self cleaning housing and optical diffuser
- High Performance LED & Optics to meet AS/NZ1158
- Integrated thermal management
- Segregated termination point
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

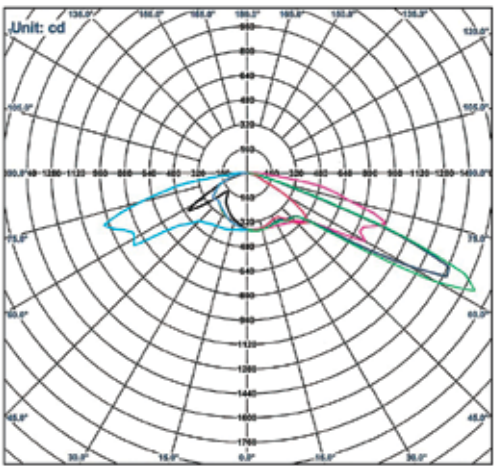
Technical Data

- **Body:** High Pressure Marine Grade Die Cast Aluminum
- **Optics:** Type 3 Distribution
- **LED #:** CREE 24 - 48
- **Wattage:** 13 - 17 - 23 - 28 - 38 - 58 Watts
- **Finishing:** Powder Coat Grey (GR-Standard)
- **Mounting:** 4 - 9 Metres
- **Fixing:** Top Mount
- **IP rating:** IP66
- **IK rating:** IK08
- **Voltage:** 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), Grey (GR-Standard)
- **CCT:** 3000K, **4000K (Standard)**, 5000K
- **Visor:** Glareshield/spill light kit (GV)

Photometric Design Data



Specification COMO-T - Top Mount

| PRODUCT CODE | CM.T.12W | CM.T.14W | CM.T.20W | CM.T.30W | CM.T.40W | CM.T.60W |
|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| System Watts | 13 | 17 | 23 | 28 | 38 | 58 |
| Input Voltage | 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)-max. | <5kg | <5kg | <5kg | <5kg | 6.8kg | 7.4kg |
| Weight (Kg) - max. | 12 | 12 | 12 | 12 | 12 | 12 |



'Como' Installation – Henry Codd Reserve – Parkside SA

APPLICATIONS

- Suburban Roads
- Driveways
- School Grounds
- Pathways
- Shopping Malls
- Parklands

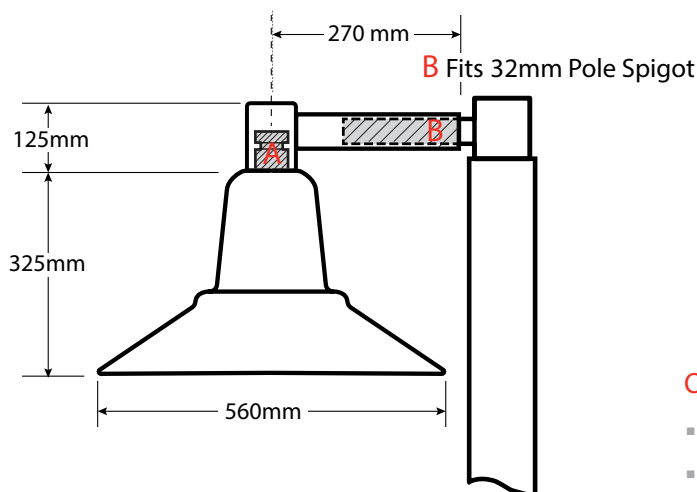
BOSTON SE & TE

Traditional shape lanterns for traditional suburban streets, urban areas and streetscapes.

The lantern reflector design eliminates unwanted upward light, providing higher lumination at ground level.

Dimensions

A Spigot as per AS/NZS1158



Features

- Designed to meet stringent Australian Standards
- Self cleaning housing and PMMA optical diffuser
- High Performance LED and Optics to meet AS/NZ1158
- Integrated thermal management
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

Technical Data

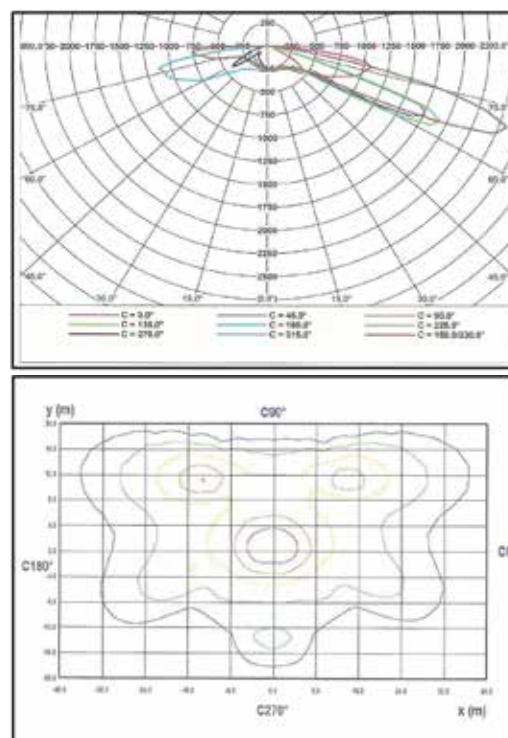
- Body:** High Pressure Marine Grade Die Cast Aluminum
- Optics:** P4 & P5 Distribution
- Wattage:** 13 - 17 - 23 - 28 - 58 Watts
- Finishing:** Powder Coat Black (Standard)
- Mounting:** 4 - 9 Metres
- Fixing:** Fits 32mm Pole Spigot
- IP rating:** IP66
- IK rating:** IK06
- Voltage:** 220 - 240V 50/60Hz
- 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:** Green (GR), Black (BK-Standard)
- CCT:** 3000K, **4000K (Standard)**, 5000K
- Visor:** Glareshield/spill light kit (GV)

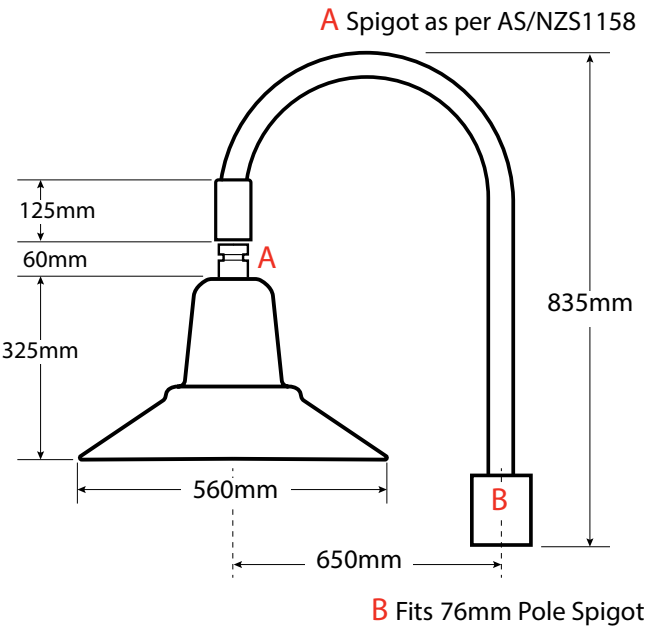
Photometric Design Data



Specification BOSTON-SE - Side Entry

| PRODUCT CODE | BOS2.TE.512 | BOS2.TE.514 | BOS2.TE.520 | BOS2.TE.527 | BOS2.TE.557 |
|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| System Watts | 13 | 17 | 23 | 28 | 58 |
| 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. | 15kg | 15kg | 15kg | 15kg | 15kg |

Dimensions



Features

- Designed to meet stringent Australian Standards
- Self cleaning housing and PMMA optical diffuser
- High Performance LED & Optics to meet AS/NZ1158
- Integrated thermal management
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

Technical Data

- **Body:** High Pressure Marine Grade Die Cast Aluminum
- **Optics:** P4 & P5 Distribution
- **Wattage:** 13 - 17 - 23 - 28 - 58 Watts
- **Finishing:** Powder Coat Black (Standard)
- **Mounting:** 4 - 9 Metres
- **Fixing:** Fits 32mm Pole Spigot
- **IP rating:** IP66
- **IK rating:** IK06
- **Voltage:** 220 - 240V 50/60Hz
- **Power Factor:** >0.9

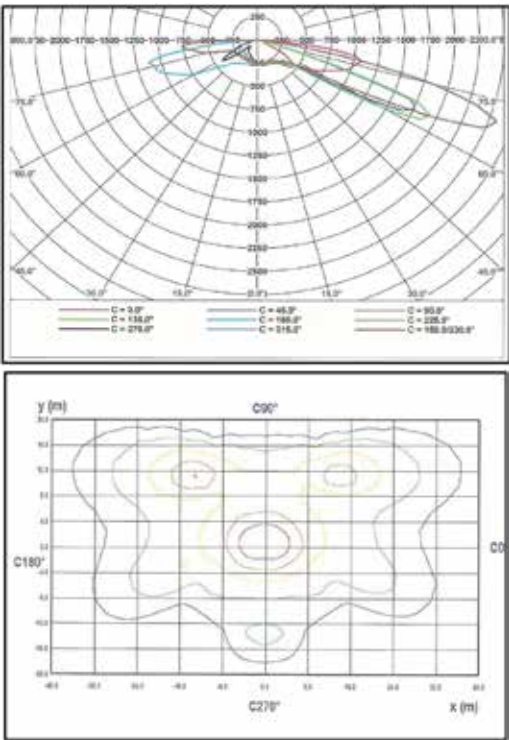


Options

- **Photocell:** 7-pin Nema receptacle (7PN)
- **Fuse Terminal Block:** (FTB)
- **Surge Protection Device:** (SPD - 10KVA, 20KVA)
- **Class II:** (DB - Double Insulated)
- **Colour:** Green (GR), Black (BL-Standard)
- **CCT:** 3000K, **4000K (Standard)**, 5000K
- **Visor:** Glareshield/spill light kit (GV)



Photometric Design Data



Specification BOSTON-TE - Top Entry

| PRODUCT CODE | BOS2.TE.512 | BOS2.TE.514 | BOS2.TE.520 | BOS2.TE.527 | BOS2.TE.557 |
|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| System Watts | 13 | 17 | 23 | 28 | 58 |
| 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. | 15kg | 15kg | 15kg | 15kg | 15kg |



FLAT Series

Low profile street and area lighting system.

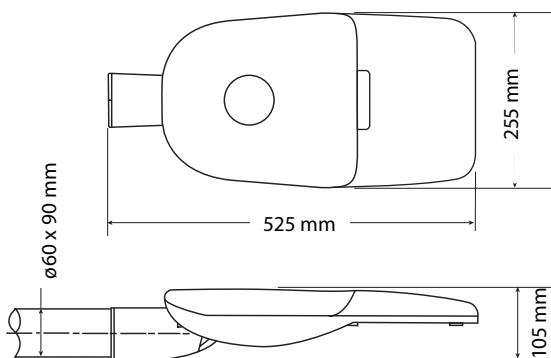
The FLAT is a versatile LED, available in three sizes, and 10 optic Wattages, suitable for ever changing landscapes, withstanding the test of time in hardware, optics and performance.

APPLICATIONS

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



Dimensions



Features

- Designed to meet stringent Australian Standards
- Self cleaning housing and optical diffuser
- High Performance LED & Optics to meet AS/NZ1158
- Integrated thermal management
- Segregated termination point
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

Technical Data

- Body:** High Pressure Marine Grade Die Cast Aluminum
- Optics:** Type 2, 3 and 4 Distribution
- LED #:** 8 - 16 - 24
- Wattage:** 25 - 30 - 40 - 60 Watts
- Finishing:** Powder Coat (Grey Standard)
- Mounting:** 4 - 6 Metres
- Fixing:** Top or Side Mount (60mm OD)
- IP rating:** IP66
- IK rating:** IK08
- Voltage:** 240V 50/60Hz
- Power Factor:** >0.9

Specification FLAT-S

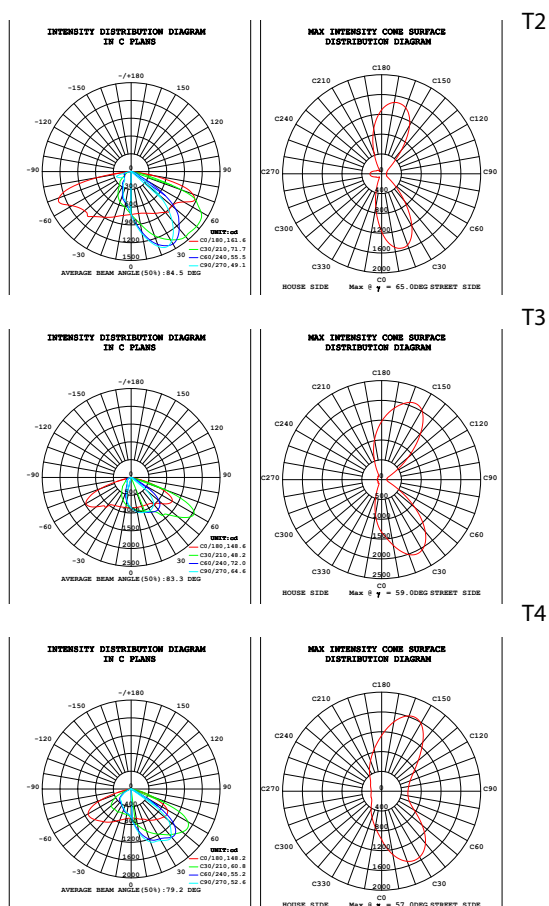
| PRODUCT CODE | FL.S.25W | FL.S.30W | FL.S.40W | FL.S.60W |
|--------------------------|--------------|--------------|--------------|--------------|
| Photometric Distribution | T2 - T3 - T4 | T2 - T3 - T4 | T2 - T3 - T4 | T2 - T3 - T4 |
| System Watts | 25 | 30 | 40 | 60 |
| Input Voltage (V) | 240 | 240 | 240 | 240 |
| CCT (K) | 4000 | 4000 | 4000 | 4000 |
| CRI | Ra>70 | Ra>70 | Ra>70 | Ra>70 |
| IP Protection | IP66 | IP66 | IP66 | IP66 |
| IK Protection | IK08 | IK08 | IK08 | IK08 |
| Weight (Kg) - max. | 6.1 | 6.1 | 6.2 | 6.2 |



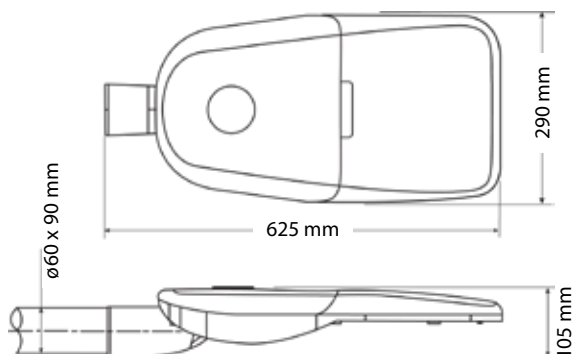
Options

- Fuse Terminal Block: (FTB)**
- Surge Protection Device: (SPD - 10KVA, 20KVA)**
- Class II: (DB - Double Insulated)**
- Colour: Black (BL), Grey (GR-Standard)**
- CCT: 3000K, 4000K (Standard), 5000K**
- Visor: Glareshield/spill light kit (GV)**

Photometric Design Data



Dimensions



Features

- Designed to meet stringent Australian Standards
- Self cleaning housing and optical diffuser
- High Performance LED & Optics to meet AS/NZ1158
- Integrated thermal management
- Segregated termination point
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

Technical Data

- Body:** High Pressure Marine Grade Die Cast Aluminum
- Optics:** Type 2, 3 and 4 Distribution
- LED #:** 24 - 32 - 48
- Wattage:** 60 - 75 - 100 - 120 Watts
- Finishing:** Powder Coat (Grey Standard)
- Mounting:** 6 - 9 Metres
- Fixing:** Top or Side Mount (60mm OD)
- IP rating:** IP66
- IK rating:** IK08
- Voltage:** 240V 50/60Hz
- Power Factor:** >0.9

Specification FLAT-M

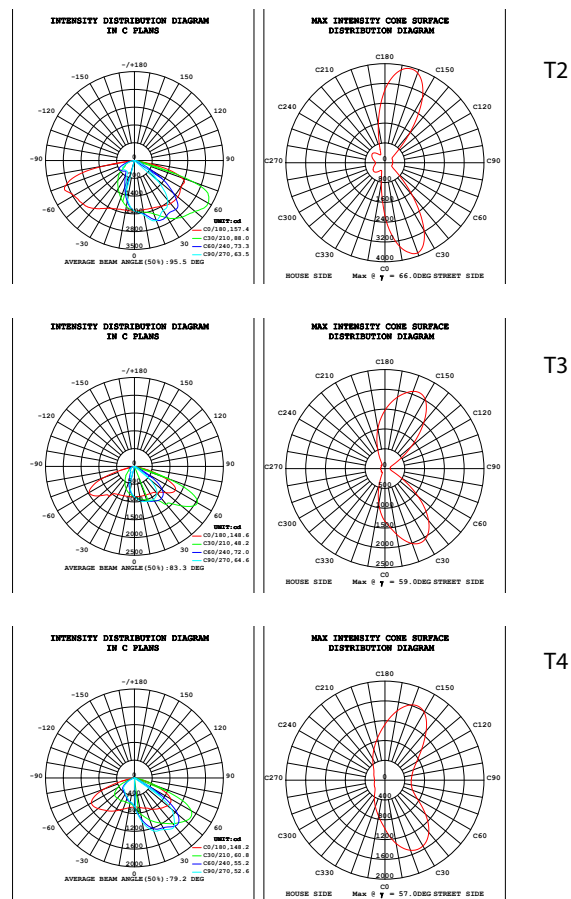
| PRODUCT CODE | FL.M.60W | FL.M.75W | FL.M.100W | FL.M.120W |
|--------------------------|--------------|--------------|--------------|--------------|
| Photometric Distribution | T2 - T3 - T4 | T2 - T3 - T4 | T2 - T3 - T4 | T2 - T3 - T4 |
| System Watts | 60 | 75 | 100 | 120 |
| Input Voltage (V) | 240 | 240 | 240 | 240 |
| CCT (K) | 4000 | 4000 | 4000 | 4000 |
| CRI | Ra>70 | Ra>70 | Ra>70 | Ra>70 |
| IP Protection | IP66 | IP66 | IP66 | IP66 |
| IK Protection | IK08 | IK08 | IK08 | IK08 |
| Weight (Kg) - max. | 7.5 | 7.6 | 7.6 | 7.6 |



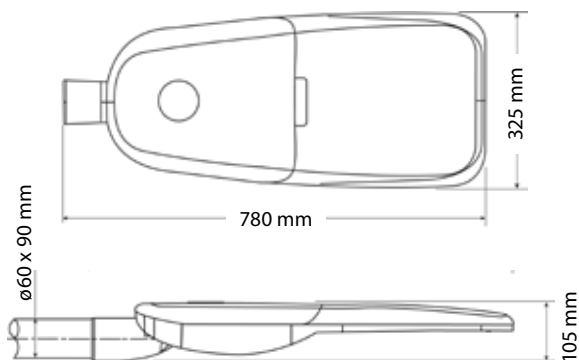
Options

- Photocell:** 7-pin Nema receptacle (7PN)
- Fuse Terminal Block:** (FTB)
- Surge Protection Device:** (SPD - 10KVA, 20KVA)
- Class II:** (DB - Double Insulated)
- Colour:** Black (BL), Grey (GR-Standard)
- CCT:** 3000K, **4000K (Standard)**, 5000K
- Visor:** Glareshield/spill light kit (GV)

Photometric Design Data



Dimensions



Features

- Designed to meet stringent Australian Standards
- Self cleaning housing and optical diffuser
- High Performance LED & Optics to meet AS/NZ1158
- Integrated thermal management
- Segregated termination point
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

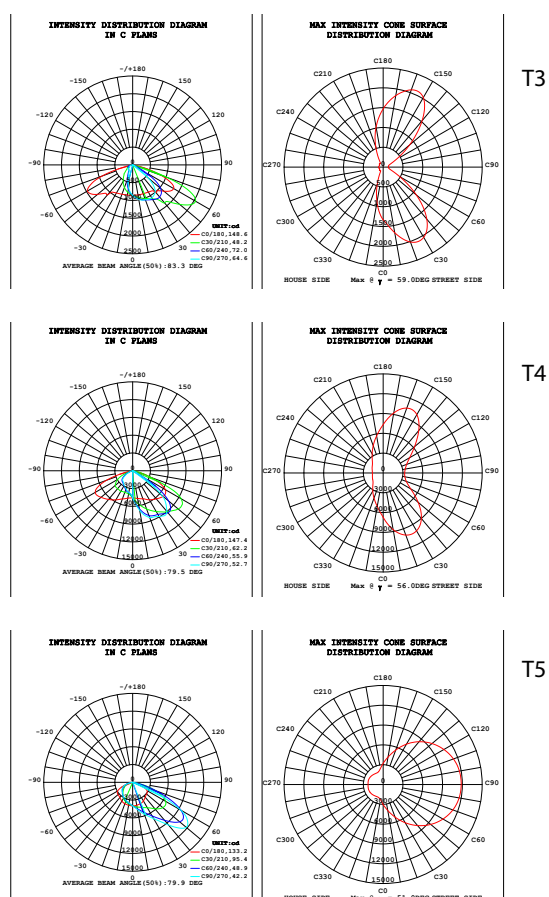
Technical Data

- Body:** High Pressure Marine Grade Die Cast Aluminum
- Optics:** Type 2, 3, 4 and 5 Distribution
- LED #:** 48 - 64 - 96
- Wattage:** 150 - 180 - 200 Watts
- Finishing:** Powder Coat (Grey Standard)
- Mounting:** 7 - 12 Metres
- Fixing:** Top or Side Mount (60mm OD)
- IP rating:** IP66
- IK rating:** IK08
- Voltage:** 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), Grey (GR-Standard)
- CCT:** 3000K, **4000K (Standard)**, 5000K
- Visor:** Glareshield/spill light kit (GV)

Photometric Design Data



Specification FLAT-L

| PRODUCT CODE | FL.L.150W | FL.L.180W | FL.L.200W |
|--------------------------|--------------|--------------|--------------|
| Photometric Distribution | T3 - T4 - T5 | T3 - T4 - T5 | T3 - T4 - T5 |
| System Watts | 150 | 180 | 200 |
| Input Voltage (V) | 240 | 240 | 240 |
| CCT (K) | 4000 | 4000 | 4000 |
| CRI | Ra>70 | Ra>70 | Ra>70 |
| IP Protection | IP66 | IP66 | IP66 |
| IK Protection | IK08 | IK08 | IK08 |
| Weight (Kg) - max. | 10.6 | 10.6 | 10.6 |

BERLIN

Nostalgic yet modern, the Berlin LED luminaire is perfect for traditional suburban streets, urban areas and streetscapes.

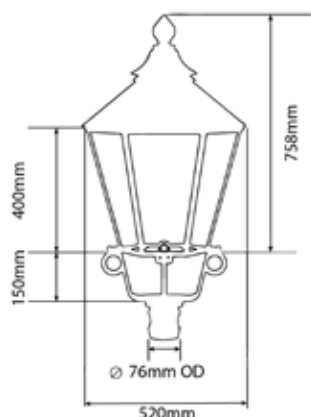
The lantern reflector design eliminates unwanted upward light, providing higher lumination at ground level.

APPLICATIONS

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



Dimensions



Features

- Designed to meet stringent Australian Standards
- Self cleaning housing and optical diffuser
- High Performance LED & Optics to meet AS/NZ1158
- Integrated thermal management
- Segregated termination point
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

Technical Data

- Body:** High Pressure Die-cast aluminum (marine grade)
- LED #:** CREE
- Optics:** P4, P5
- Wattage:** 13 - 17 - 23 - 28 - 38 - 58 Watts
- Finishing:** Powder Coat
- Mounting:** 4 - 9 Metres
- Fixing:** Post Top Mount (76mm OD)
- IP rating:** IP66
- IK rating:** IK06
- Voltage:** 240V 50/60Hz
- Power Factor:** >0.9

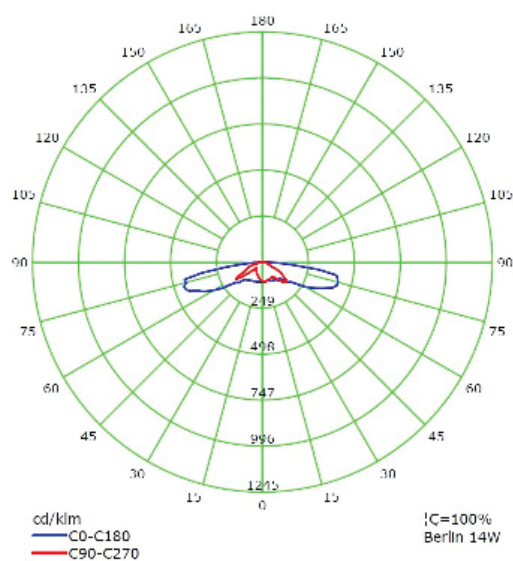


Options

- Photocell:** 7-pin Nema receptacle (7PN)
- Fuse Terminal Block:** (FTB)
- Surge Protection Device:** (SPD - 10KVA, 20KVA)
- Class II:** (DB - Double Insulated)
- Colour:** Grey (GR-Standard)
- CCT:** 3000K, **4000K (Standard)**, 5000K
- Visor:** Glareshield/spill light kit (GV)

Photometric Design Data

Luminous Intensity Distribution Curve(cd/klm)



Specification BERLIN

| PRODUCT CODE | BER512 | BER514 | BER520 | BER527 | BER537 | BER557 |
|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| System Watts | 13 | 17 | 23 | 28 | 38 | 58 |
| Input Voltage | 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)-max. | 15kg | 15kg | 15kg | 15kg | 15kg | 15kg |



APPLICATIONS

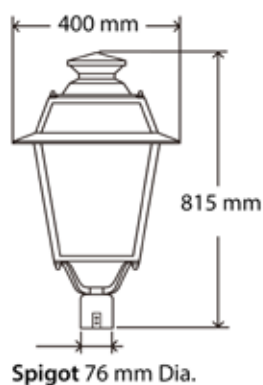
- 'P' Category Roadways Including 'P4' & 'P5'
- Heritage Towns
- Suburban Roads
- Walkways
- Laneways
- Parks
- Driveways

TASMAN

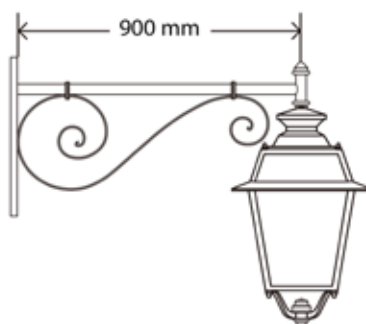
The classic charm of the Tasman is designed for the heritage town using LED optics.

With a touch of nostalgia, this luminaire combined with our standard 'P' Category light engine meets AS1158.3.1 Cat. P standards.

Dimensions



Top Mount Scroll Bracket



Bottom Mount Scroll Bracket



Features

- Smart City Ready - TST compatibility Zigbee, LoRa, NBIoT
- 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
- 10 year warranty

Options

- Photocell:** 7-pin Nema receptacle (7PN)
- Fuse Terminal Block:** (FTB)
- Surge Protection Device:** (SPD - 10KVA, 20 KVA)
- Class II:** (DB - Double Insulated)
- Colour:** Black (BL Standard), White (WH), Grey (GR)
- CCT:** 3000K, **4000K (Standard)**, 5000K
- Glass:** Opaque, Frosted or Clear (no glass)

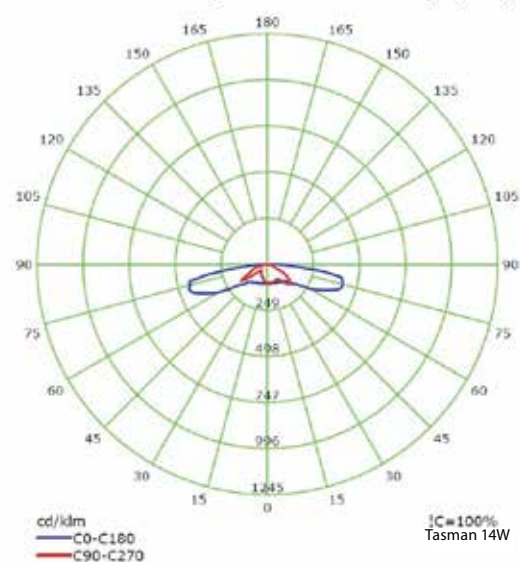


Technical Data

- Body & Frame:** High Pressure Die-cast aluminum (marine grade)
- Screw Fixings:** Decorative brass
- LED #:** CREE
- Optics:** P4, P5 Distribution
- Wattage:** 13 - 17 - 23 - 28 - 38 - 58 Watts
- Finishing:** Black (Black Standard)
- Mounting:** 4 - 9 Metres
- Fixing:** Post Top or Wall Mount. Spigot for post top mounting can accommodate Ø42, Ø60 or Ø76 mm Poles
- IP rating:** IP66
- IK rating:** IK8
- Voltage:** 220V - 240V 50/60Hz
- Power Factor:** >0.9

Photometric Design Data

Luminous Intensity Distribution Curve(cd/klm)



Specification TASMAN

| PRODUCT CODE | TAS.13W | TAS.14W | TAS.20W | TAS.30W | TAS.40W | TAS.60W |
|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| System Watts | 13 | 17 | 23 | 28 | 38 | 58 |
| Input Voltage | 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 | IK8 | IK8 | IK8 | IK8 | IK8 | IK8 |
| Weight (Kg)-max. | 7kg | 7kg | 7kg | 7kg | 7kg | 7kg |

Highway & Major Road Luminaires

Aldridge Smart City LED road lighting and Smart Technology provides a major step towards the government targets to reduce carbon emissions and increase energy efficiency within our roadway and public space infrastructure.

Aldridge comprehensive lighting solutions, address the key areas of efficiency and more importantly the safety of the motorist. LED lighting provides clearer illumination within the roadway infrastructure, especially important for accident black spots on major roads and highways.

Aldridge delivers incredible photometric outputs that meet and exceed the most challenging of high mast schemes. The custom NEMA optics deliver consistent and uniform light levels so anyone can confidently navigate the well-lit areas with ease.

Highways and Major Roads



V-LED MK II

V-LED MK III

H-LED

E-LED

V-LED MKII

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

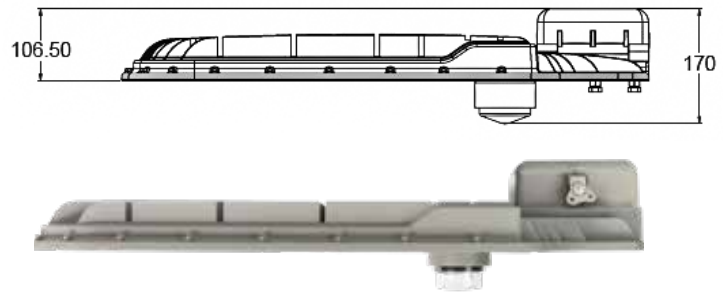
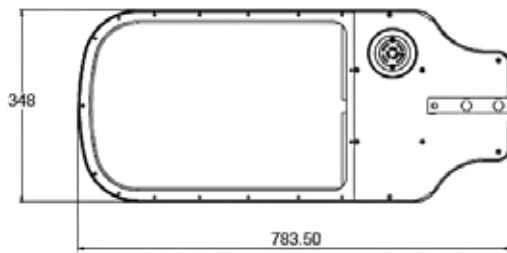
- Tunnels
- Underpasses
- Freeways
- Expressways
- Highways
- Motorways

'V-LED' Installation – Tasman Bridge, Tasmania

Specification V-LED MKII

| PRODUCT CODE | V75W | V85W | V100W | V155W | V175W |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|
| Photometric Distribution | T5 | T5 | T2, T3, T5FT | T5FT | T5 |
| System Watts | 70 | 80 | 100 | 155 | 175 |
| Input Voltage (V) | 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) Remote Gear: Less 1.8Kg | <12kg | <12kg | <12kg | <12kg | <12kg |

Dimensions



- Power Factor: >0.9

Features

- Smart City Ready - TST compatibility Zigbee, LoRa, NBLoT
- 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
- Aeroscreen (std) diffuser
- 7-pin Nema receptacle (7PN)
- 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 **5 (Standard)**, 2 - 3, 5FT (Forward Throw)
- LED:** CREE
- Wattage:** 75 - 85 - 100 - 155 - 175 - 198 - 200 - 265 - 300 Watts
- Finishing:** Powder Coat (Grey Standard)
- Mounting:** 9 - 15 Metres
- Fixing:** Side Spigot mount (32-40mm NB) (49mm OD)
- IP rating:** IP66
- IK rating:** IK06
- Voltage:** 220V - 240V 50/60Hz

Specification V-LED MKII - Cont.

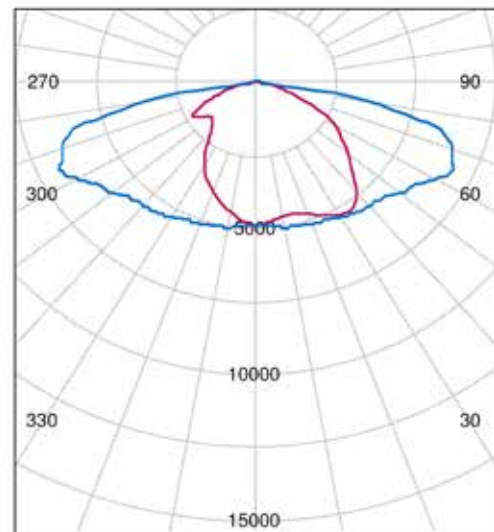
| PRODUCT CODE | V198W | V200W | V265W | V298W | V300W |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|
| Photometric Distribution | T2, T3 | T2, T3, T5FT | T5 | T2, T3 | T5FT |
| System Watts | 198 | 200 | 240 | 250 | 300 |
| Input Voltage (V) | 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) Remote Gear: Less 1.8Kg | <12kg | <12kg | <12kg | <12kg | <12kg |

Options

- Zhaga:** Street Lighting Controller
- DALI-2, D4i**
- 3 in 1 Dimming without DALI-2**
- Fuse Terminal Block:** (FTB)
- Surge Protection Device:** (SPD - 10KVA, 20KVA)
- Class II:** (DB - Double Insulated)
- Colour:** Black (BL), Grey (GR - Standard)
- CCT:** 3000K, **4000K (Standard)**, 5000k
- Visor:** Glare shield/spill light kit (GV)
- Remote Gear:** (RG)
- 5 Deg Tilt Adjustment Adapter** (5TA)



Photometric Design Data



cd/klm
 — CO-C180
 — C90-C270

V-LED MKIII

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

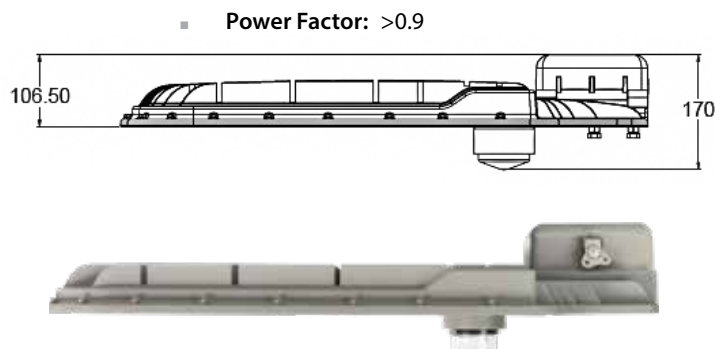
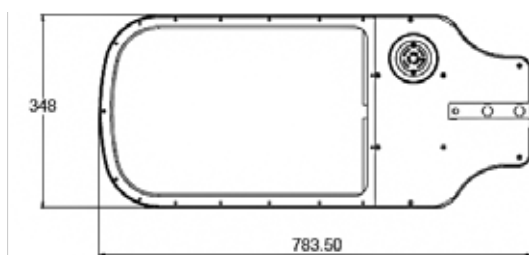
APPLICATIONS

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



ZHAGA, the next generation of Street Lighting Controller socket, is mounted onto our fittings and operated through a plug-and-play installation. It is the latest alternative, more compact DC connector, developed especially for today's contemporary designed LED light fittings. **Zhaga D4i Certified P-LED fittings** are future proof and available with both **Zhaga** and **NEMA** sockets. Developed according to a global lighting industry standard, **Zhaga** connectors can be deployed onto the V-LED range and integrated with our TST Smart City Solutions.

Dimensions



- Power Factor: >0.9

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
- Aeroscreen (std) diffuser
- 7-pin Nema receptacle (7PN)
- Integrated thermal management
- Supports DALI-2 connection and complies with D4i
- Segregated termination chamber c/w quick access
- 20 year Design Life
- 10 year warranty

Technical Data

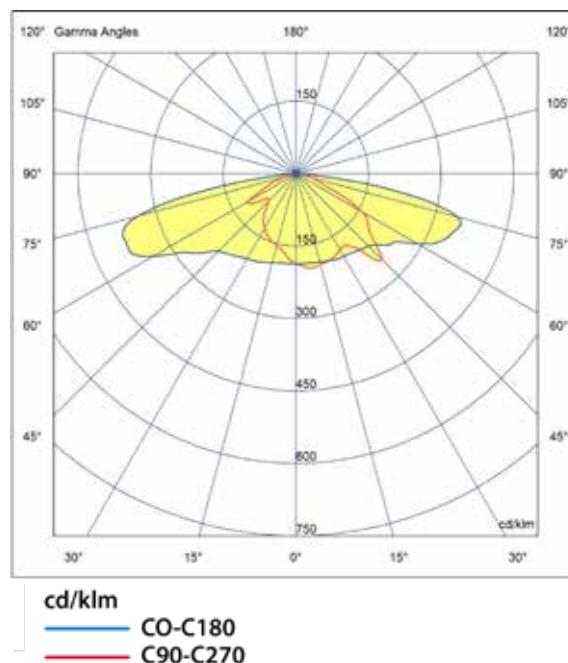
- **Body:** High Pressure Marine Grade Die Cast Aluminum
- **Optics:** Type 5 - FT (Forward Throw)
- **LED:** CREE
- **Wattage:** 75 - 147 - 170 - 290 Watts
- **Finishing:** Powder Coat (Grey Standard)
- **Mounting:** 9 - 15 Metres
- **Fixing:** Side Spigot mount (32-40mm NB) (49mm OD)
- **IP rating:** IP65
- **IK rating:** IK06
- **Voltage:** 220V - 240V 50/60Hz

Options

- **Zhaga:** Street Lighting Controller
- **DALI-2, D4i**
- **3 in 1 Dimming without DALI-2**
- **Fuse Terminal Block: (FTB)**
- **Surge Protection Device: (SPD - 10KVA, 20KVA)**
- **Class II: (DB - Double Insulated)**
- **Colour:** Black (BL), Grey (GR - Standard)
- **CCT:** 3000K, **4000K (Standard)**, 5000k
- **Visor:** Glare shield/spill light kit (GV)
- **Remote Gear: (RG)**
- **5 Deg Tilt Adjustment Adapter (5TA)**



Photometric Design Data



Specification V-LED MKIII – FT

| PRODUCT CODE | V75WT5FT | V147WT5FT | V170WT5FT | V290WT5FT |
|--|---------------------|---------------------|---------------------|---------------------|
| Photometric Distribution | T5FT | T5FT | T5FT | T5FT |
| Power Watts | 75 | 147 | 170 | 290 |
| Input Voltage (V) | 220V - 240V 50/60Hz | 220V - 240V 50/60Hz | 220V - 240V 50/60Hz | 220V - 240V 50/60Hz |
| CCT (K) | 4000 | 4000 | 4000 | 4000 |
| CRI | Ra>70 | Ra>70 | Ra>70 | Ra>70 |
| IP Protection | IP65 | IP65 | IP65 | IP65 |
| IK Protection | IK06 | IK06 | IK06 | IK06 |
| Weight (Kg) Remote Gear: Less 1.8Kg | <12kg | <12kg | <12kg | <12kg |

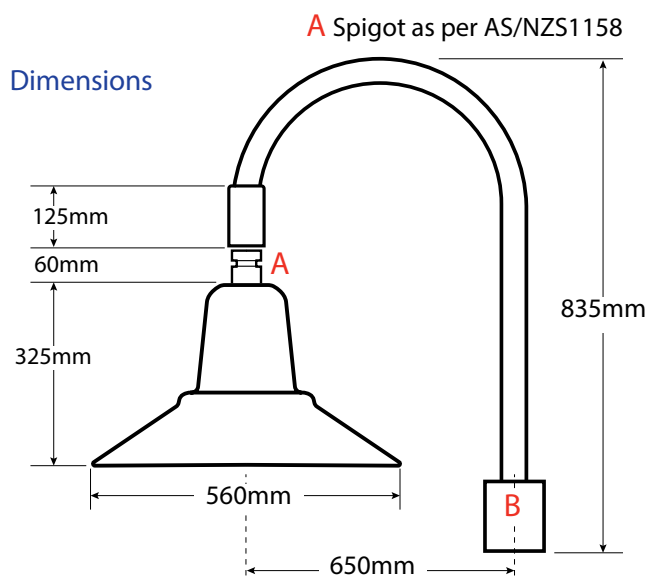
BOSTON V

Traditional lanterns for vintage streets, urban areas and streetscapes.

The lantern reflector design eliminates unwanted upward light, providing higher lumination at ground level.

APPLICATIONS

- 'V' Cat. Roads
- Intersections
- Large Carparks
- Pedestrian Malls



Features

- Designed to meet stringent Australian Standards
- Self cleaning housing and PMMA optical diffuser
- High Performance LED & Optics to meet AS/NZ1158
- Integrated thermal management
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

Technical Data

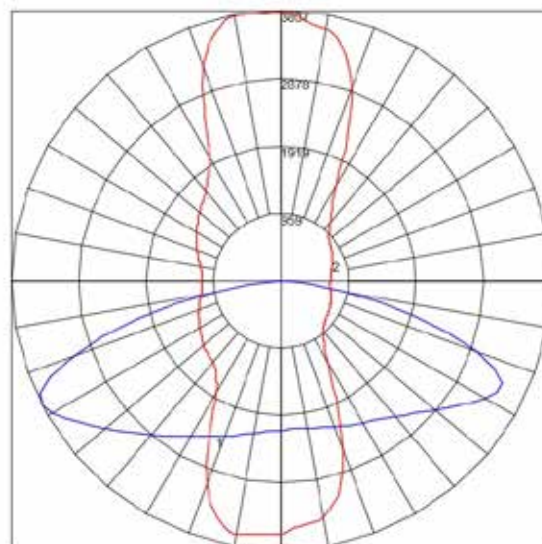
- Body:** High Pressure Die Cast Aluminum
- Optics:** Distribution - V T5 CAT
- LED #:** 162
- Wattage:** 60 - 75 - 155 - 175 Watts
- Finishing:** Powder Coat Black (Black Standard)
- Mounting:** 6 - 10 Metres
- Fixing:** Pole Top Spigot Mount (76mm OD)
- IP rating:** IP65
- IK rating:** IK06
- Voltage:** 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:** Green (GR), Black (BL-Standard)
- CCT:** 3000K, **4000K (Standard)**, 5000K
- Visor:** Glareshield/spill light kit (GV)

Photometric Design Data

IES ROAD REPORT
PHOTOMETRIC FILENAME : L SPT-210123.IES
POLAR GRAPH

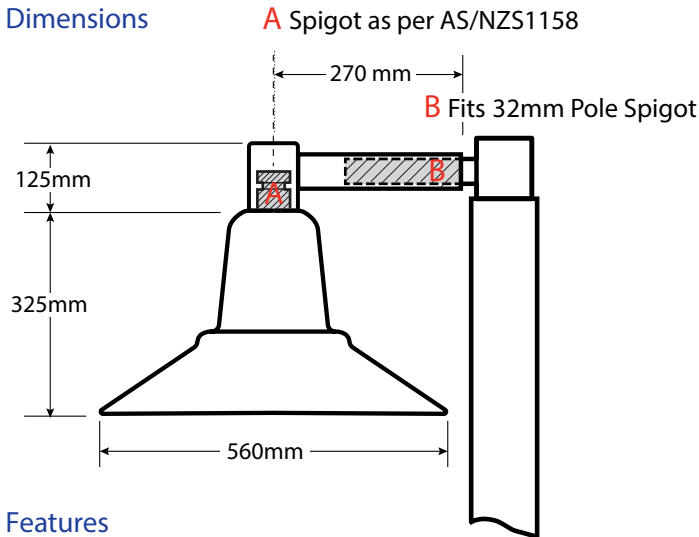


Maximum Candela = 3837.46 Located At: Horizontal Angle = 99, Vertical Angle = 62.5
1 - Vertical Plane Through Horizontal Angles (99 - 279) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (62.5) (Through Max. Cd.)

Specification BOSTON - Top Entry

| PRODUCT CODE | BV60WBTA | BV75WBTA | BV155WBTA | BV175WBTA |
|------------------|---------------------|---------------------|---------------------|---------------------|
| Power Watts | 60 | 75 | 155 | 175 |
| Input Voltage | 220V - 240V 50/60Hz | 220V - 240V 50/60Hz | 220V - 240V 50/60Hz | 220V - 240V 50/60Hz |
| CCT (K) | 4000 | 4000 | 4000 | 4000 |
| CRI | Ra>75 | Ra>75 | Ra>75 | Ra>75 |
| IP Protection | IP65 | IP65 | IP65 | IP65 |
| IK Protection | IK06 | IK06 | IK06 | IK06 |
| Weight (Kg)-max. | 10kg | 10kg | 10kg | 10kg |

Dimensions



Features

- Designed to meet stringent Australian Standards
- Self cleaning housing and PMMA optical diffuser
- High Performance LED & Optics to meet AS/NZ1158
- Integrated thermal management
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

Technical Data

- Body:** High Pressure Die Cast Aluminum
- Optics:** VT5 CAT Distribution
- LED #:** 162
- Wattage:** 60 - 75 - 155 - 175 Watts
- Finishing:** Powder Coat Black (Black Standard)
- Mounting:** 6 - 10 Metres
- Fixing:** Side Mount (Fits 32mm Pole Spigot)
- IP rating:** IP65
- IK rating:** IK06
- Voltage:** 220V - 240V 50/60Hz
- Power Factor:** >0.9

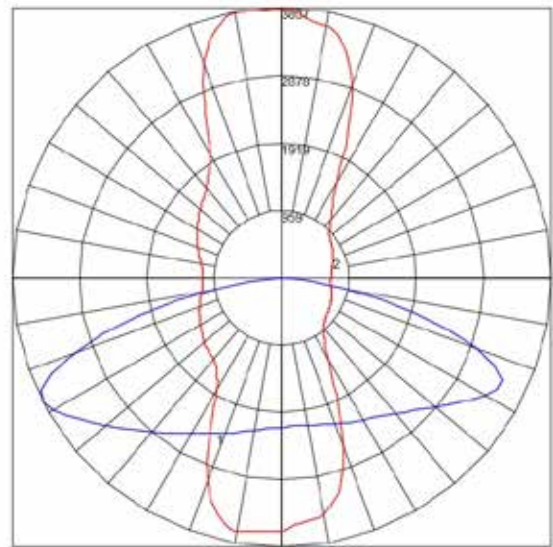


Options

- Photocell:** 7-pin Nema receptacle (7PN)
- Fuse Terminal Block:** (FTB)
- Surge Protection Device:** (SPD - 10KVA, 20KVA)
- Class II:** (DB - Double Insulated)
- Colour:** Green (GR), Black (BL-Standard)
- CCT:** 3000K, **4000K (Standard)**, 5000K
- Visor:** Glareshield/spill light kit (GV)

Photometric Design Data

IES ROAD REPORT
PHOTOMETRIC FILENAME : LSP7-210123.IES
POLAR GRAPH



Maximum Candela = 3837.46 Located At Horizontal Angle = 99, Vertical Angle = 62.5
1 - Vertical Plane Through Horizontal Angles (09 - 279) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (52.5) (Through Max. Cd.)

Specification BOSTON - Side Entry

| PRODUCT CODE | BV60WBSA | BV75WBSA | BV155WBSA | BV175WBSA |
|------------------|---------------------|---------------------|---------------------|---------------------|
| Power Watts | 60 | 75 | 155 | 175 |
| Input Voltage | 220V - 240V 50/60Hz | 220V - 240V 50/60Hz | 220V - 240V 50/60Hz | 220V - 240V 50/60Hz |
| CCT (K) | 4000 | 4000 | 4000 | 4000 |
| CRI | Ra>75 | Ra>75 | Ra>75 | Ra>75 |
| IP Protection | IP65 - IP44 | IP65 - IP44 | IP65 - IP44 | IP65 - IP44 |
| IK Protection | IK06 | IK06 | IK06 | IK06 |
| Weight (Kg)-max. | 10kg | 10kg | 10kg | 10kg |



H-LED

PRECISION HIGH MAST LIGHTING

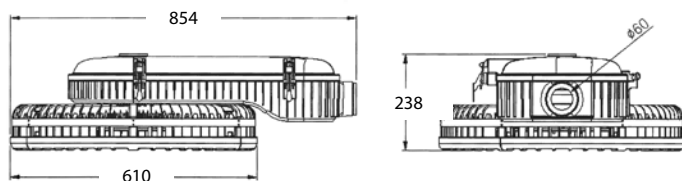
New levels of performance and function to illuminating roadways, large outdoor areas and traffic junctions. With four scalable lumen packages, you can customise your high mast solution to maximise your energy saving benefits.

APPLICATIONS

- Highways and Interchanges
- Port Container Facilities
- Toll Plazas
- Rail Yards
- Correctional Facilities
- Large Area Industrial Facilities
- Parking Areas
- Airports
- Security Lighting



Dimensions



Features

- 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
- Power Door - Designed for quick maintenance in-field
- Hinged Driver Housing Door allows easy access and removal of Power Door
- Tool-less entry via stainless steel latches
- Quick Disconnect for electrical maintenance
- Rotatable Optical Assembly Rotates 90°
- Integrated thermal management System

Technical Data

- **Body:** High Pressure Marine Grade Die Cast Aluminum
- **Optics:** Type 1, 2, 3, 4 and 5 Beam Distribution
- **LED:** Long Life, High Density up to 70,000 Luminous Flux L80> 100,000 hours Ta 45°C
- **Wattage:** 260 - 350 - 495 - 690 Watts
- **Finishing:** Polyester Coating (Grey Standard)
- **Mounting:** 4 Bolts - Designed to Fit Existing Light Poles with Adjustment of 5°
- **IP rating:** IP66
- **IK rating:** IK06
- **Voltage:** 220V - 240V 50/60Hz
- **Power Factor:** >0.9

Options

- **Photocell:** 7-pin Nema receptacle (7PN)
- **CCT:** 3000K, 4000K, 5000k

Photometric Design Data



Specification H-LED

| PRODUCT CODE | HLED200 | HLED300 | HLED400 | HLED600 |
|-------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Power Watts | 260 | 350 | 495 | 690 |
| Input Voltage (V) | 120V - 277V 50/60Hz | 120V - 277V 50/60Hz | 120V - 277V 50/60Hz | 120V - 277V 50/60Hz |
| CCT (K) | 4000 | 4000 | 4000 | 4000 |
| CRI | Ra>70 Typical (>80 Optional) | Ra>70 Typical (>80 Optional) | Ra>70 Typical (>80 Optional) | Ra>70 Typical (>80 Optional) |
| IP Protection | IP66 | IP66 | IP66 | IP66 |
| IK Protection | IK06 | IK06 | IK06 | IK06 |
| Weight (Kg) | 27.5 | 27.5 | 29.7 | 31.2 |

E-LED

PRECISION FLOOD LIGHTING SYSTEM

E-LED is an elite performance, multi application, LED luminaire, designed to illuminate sports fields, airports and large outdoor areas with supreme uniformity, outstanding light quality and remarkable visual comfort.

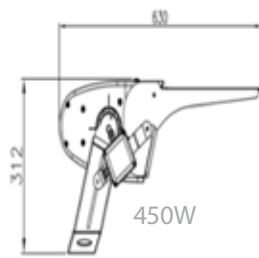
Utilising the patented fold fin thermal technology, and latest high flux LEDs, E-LED emits more than 280,000 lumens from a single compact lightweight luminaire. The custom engineered optics are a breakthrough in LED beam control, enabling E-LED to deliver incredible photometric outputs that meet and exceed the most challenging of schemes.

APPLICATIONS

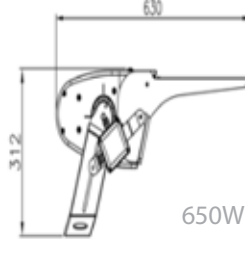
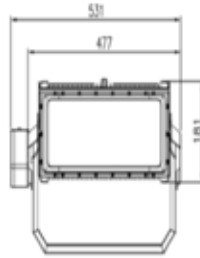
- Sports Fields
- Stadiums
- Shipyards
- Airports
- Logistics
- Car Parks
- High Mast
- Traffic Junctions



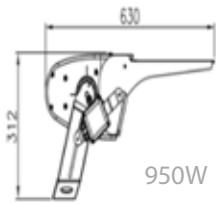
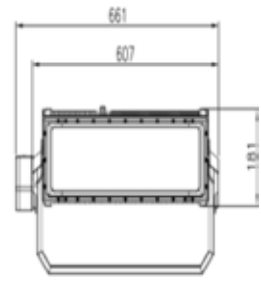
Dimensions



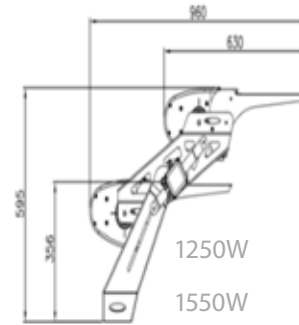
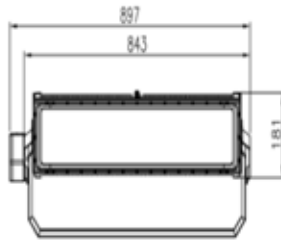
450W



650W

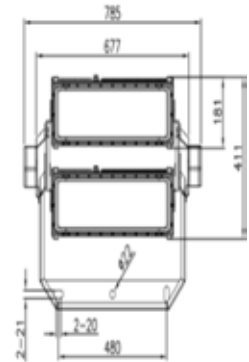


950W

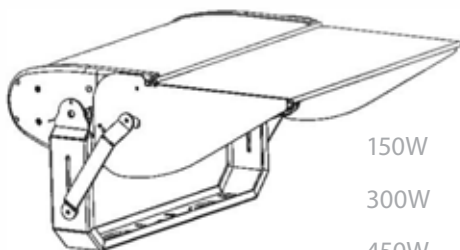
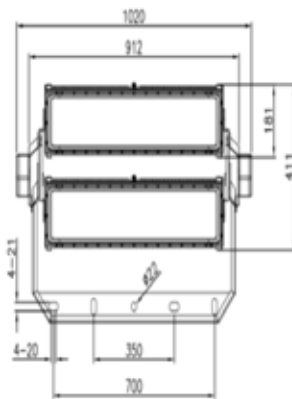


1250W

1550W



1850W



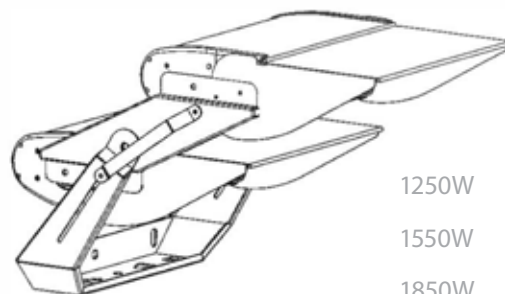
150W

300W

450W

650W

950W



1250W

1550W

1850W

2400W

Features

- **Fold Fins**
Patented lightweight thermal structure maximises heat dissipation whilst maintaining a compact, lightweight, luminaire design.
- **Mounting System**
Versatile mounting bracket, designed for simple install in new or retro fit applications.
- **Adjusting**
Simple to adjust for final aiming.
- **Finish**
Polyester powder paint provides a highly durable finish that is resistant to UV rays and corrosion.
- **Hood**
Eliminates upward light leakage and provide excellent control of spill light.
- **Optics**
Eight custom-engineered optics that direct light precisely where needed whilst minimizing glare.
- **IP66 Enclosure**
Weather-tight design ensures durability and reliability in the harshest environments.
- **LEDs**
Long life, high density L80 >100,000 hours Ta 45°C.
- **Glass**
Heat, shock and vandal resistant, toughened glass lens, with high light transmission.

Benefits

- Multiple lumen packages to replace traditional lamps
- Low wind profile area (EPA)
- Easy direct replacement using the existing mast wiring and mounting arms
- Dark sky friendly with zero upward light
- Field adjustable
- Industry leading optical performance for light spill control
- Consistent high performance in the most demanding environments
- Compatible with leading programmable lighting control systems

Technical Data

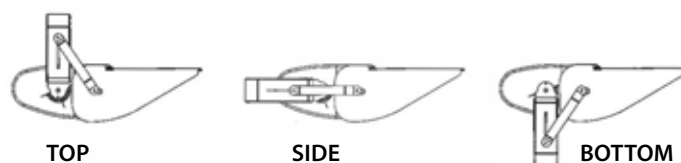
- **Body:** High Pressure Marine Grade Die Cast Aluminum
- **Bracket:** Zinc Galvanized Steel
- **Optics:** Type 2, 3 and 4 Distributions
- **LED #:** CREE: 48 - 64 - 64
- **Wattage:** 120 - 150 - 180 Watts
- **Finishing:** Powder Coat (Grey Standard)
- **IP rating:** IP65
- **IK rating:** IK08
- **Voltage:** 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), Grey (GR-Standard)
Custom Colours Available
- **CCT:** 4000K, **5000K (Standard)**, 6500K



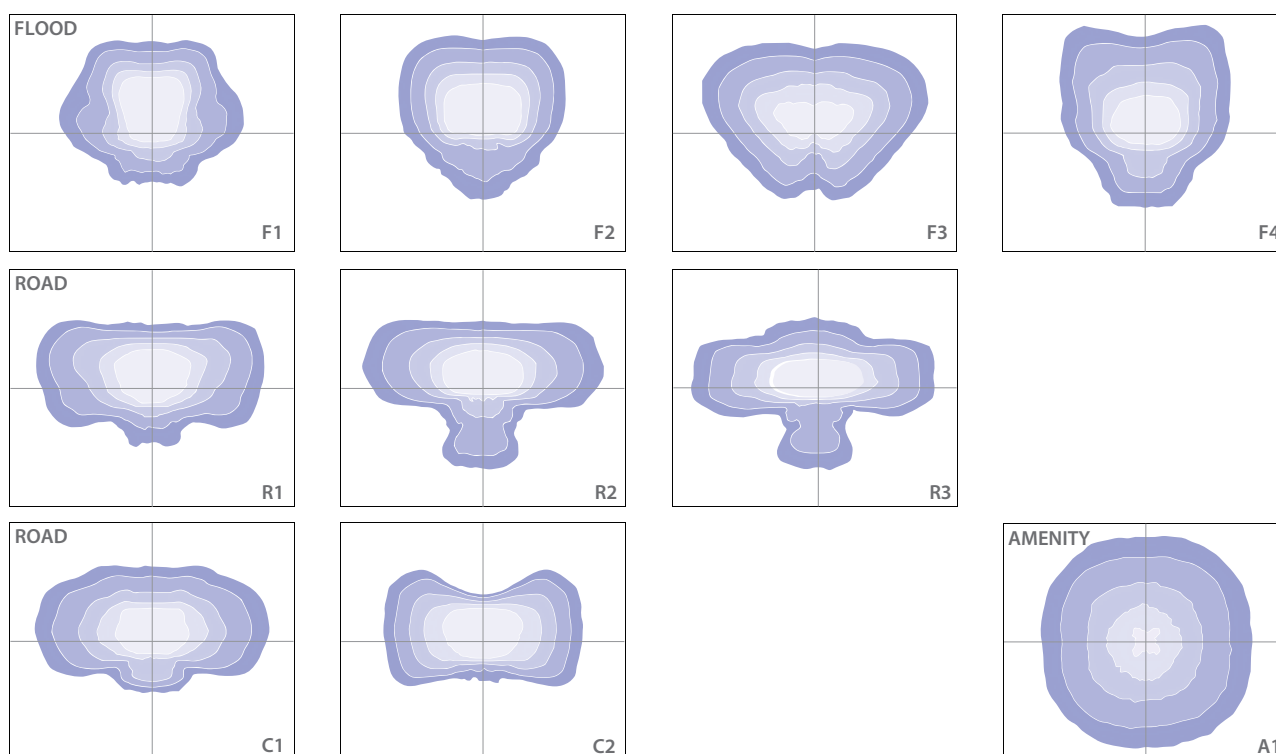
MOUNTING



Install

E-LED is designed to be installed on existing lighting poles and infrastructures and can be mounted above or below a crossbar simply by inverting the brackets. This allows multiple lights to be fitted on each mast, eliminating the expense of new poles, crossarms, demolition, engineering and foundations.

Photometric Data



Driver System

Performance

The power gear enclosure is designed to minimize driver operating temperatures so it runs cooler significantly improving reliability and performance.

Control

The power control technology delivers constant light output, independent of input voltage variations and runs efficiently of >96% and a factor of 0.99°.

Flexibility

The complete power gear system can be located up to 50m away from the luminaires, making it ideal for remote mounting. This simplifies installation, lowers initial cost and enables easy access for maintenance and future upgrades.

Specification E-LED

| PRODUCT CODE | ELED.120W | ELED.150W | ELED.180W |
|--------------------------|--|--|--|
| Photometric Distribution | F1 - F2 - F3 - F4 - RI - R2 - R3 - C1- C2 - A1 | F1 - F2 - F3 - F4 - RI - R2 - R3 - C1- C2 - A1 | F1 - F2 - F3 - F4 - RI - R2 - R3 - C1- C2 - A1 |
| Power Watts | 120 | 150 | 180 |
| Input Voltage (V) | 240 | 240 | 240 |
| Current Drive (mA) | 862 | 808 | 970 |
| CCT (K) | 4000 | 4000 | 4000 |
| CRI | Ra>70 | Ra>70 | Ra>70 |
| IP Protection | IP65 | IP65 | IP65 |
| IK Protection | IK08 | IK08 | IK08 |
| Weight (Kg) - max. | 10.5 | 10.6 | 10.6 |

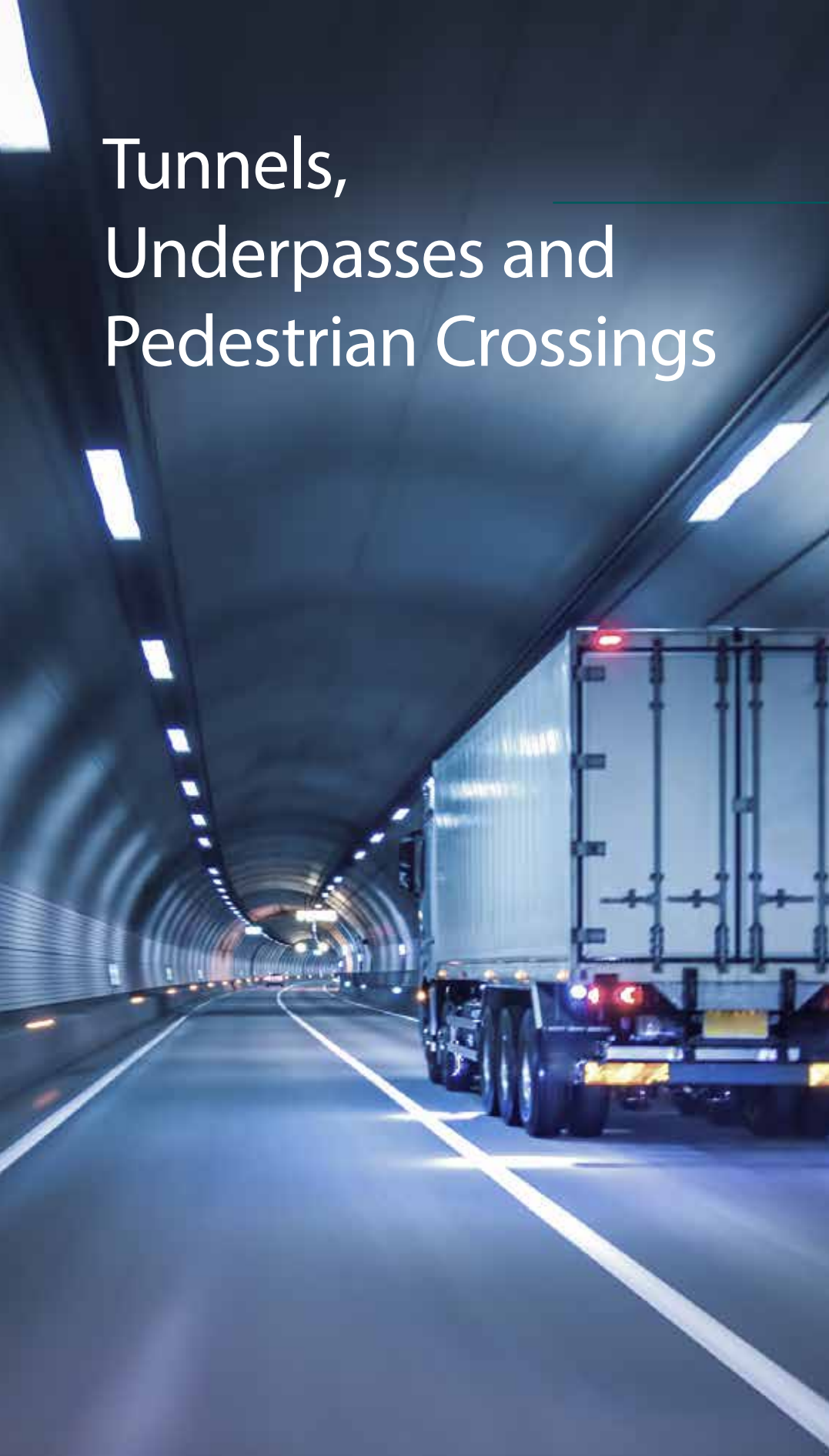
Tunnel and Underpass & Pedestrian Crossing Luminaires

Adequate illumination of the tunnel interior, which allows drivers to quickly adjust to the light within, identify possible obstacles, and negotiate their passage without reducing speed, is the priority for safety of all tunnel and underpass users.

These requirements apply during the day when the contrast between outside and inside is significant and at night when it is less but reversed.

Aldridge lighting systems deliver aesthetically low profile lighting systems for Roadway, Tunnel and Landscape applications. With over 40 years experience in outdoor infrastructure, Aldridge's versatile range of luminaires suit today's ever changing environment and withstand the test of time with state of the art engineering and Smart City Solutions for every lighting project.

Tunnels, Underpasses and Pedestrian Crossings



T-LED

V-LED MK II

V-LED MK III

FLUD

FLUD X

S-LED

T-LED₂

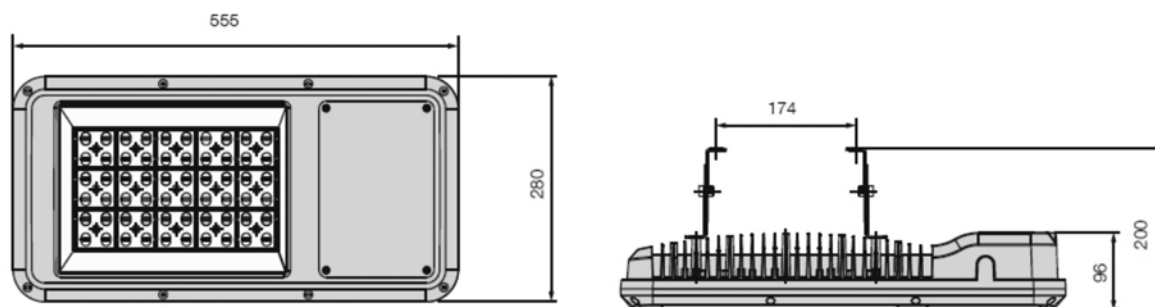
The T-LED₂ is a High Performance, Long Life, Energy Efficient, Tunnel Lighting Luminaire Built for Optimum Safety and Longevity

APPLICATIONS

- Tunnels
- Underpasses



Dimensions



Features

- Smart City Ready - TST compatibility – DALI
- High Performance tunnel luminaire designed to meet stringent Australian/New Zealand road lighting standard, AS/NZS 60698.2.3 & SA/SNZ TS 1158.6:2015 Tunnel Standard AS/NZ S1158.5:2014
- Aero screen (std) diffuser
- Integrated thermal management
- Segregated termination chamber c/w quick access
- Quick release gear tray for maintenance
- 20 year Design Life
- 10 year warranty

Technical Data

- **Body:** High Pressure Marine Grade Die Cast Aluminum, mechanical and chemical anti-corrosion
- **Optics:** Type T2 - T3 - T5
- **LED:** CREE
- **Wattage:** 60 - 80 - 100 - 120 - 150 - 200 - 250W
- **Finishing:** Powder Coat (Grey Standard)
- **Mounting:** 2 x 6mm - 12mm Adjustable Brackets in 5° increments
- **Fixing:** 174mm Bracket Mounting Centres
- **IP rating:** IP66
- **IK rating:** IK08
- **Voltage:** 220V - 240V 50/60Hz
- **Power Factor:** >0.9

Options

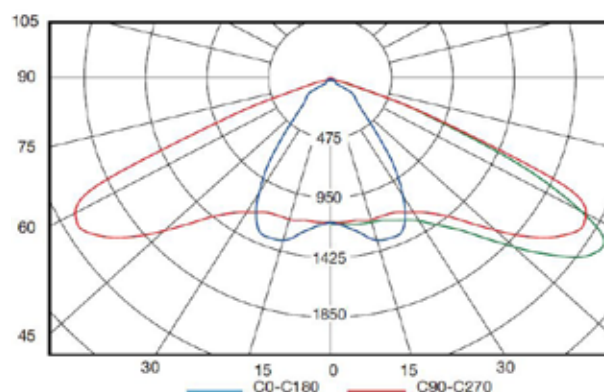
- **Fuse Terminal Block (FTB)**
- **Surge Protection Device: SPD - 20KVA**
- **Class II:** (DB - Double Insulated)
- **Colour:** Black (BL), White (WH), Grey (GR - Standard)
- **CCT:** 3000K, **4000K (Standard)**



Key Advantages

- Perfectly adapted to suit differing tunnel situations to provide ultimate safety at all times
- Can be integrated into existing control systems
- Can be fully adjusted onsite to provide optimum photometry

Photometric Design Data



Specification T-LED₂

| PRODUCT CODE | TLED.II.60W | TLED.II.80W | TLED.II.100W | TLED.II.120W | TLED.II.150W | TLED.II.200W | TLED.II.250W |
|-------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| System (Watts) | 60 | 80 | 100 | 120 | 150 | 200 | 250 |
| 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 | 220V - 240V 50/60Hz |
| CCT (K) | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 |
| lm | 6,435 | 8,400 | 12,960 | 16,585 | 18,550 | 22,660 | 24,000 |
| CRI | Ra>80 | Ra>80 | Ra>80 | Ra>80 | Ra>80 | Ra>80 | Ra>80 |
| IP Protection | IP66 | IP66 | IP66 | IP66 | IP66 | IP66 | IP66 |
| IK Protection | IK08 | IK08 | IK08 | IK08 | IK08 | IK08 | IK08 |
| Weight (Kg) | <8kg | <8kg | <9kg | <9kg | <9kg | <9kg | <9kg |

V-LED MKII

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.



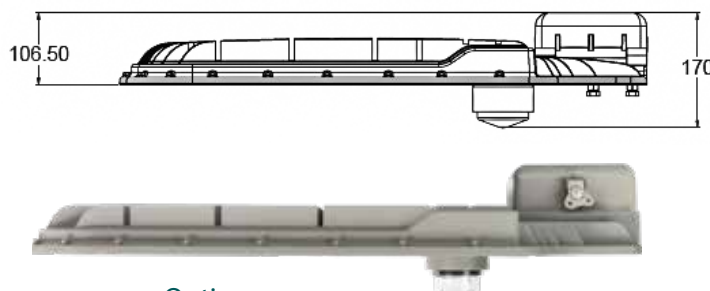
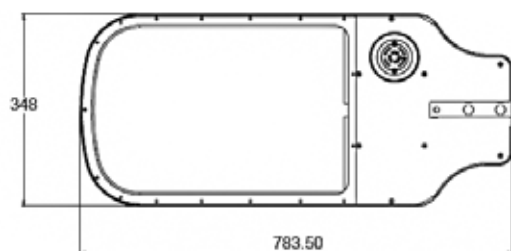
APPLICATIONS

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

Specification V-LED MKII

| PRODUCT CODE | V75W | V85W | V100W | V155W | V175W |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|
| Photometric Distribution | T5 | T5 | T2, T3, T5FT | T5FT | T5 |
| System Watts | 70 | 80 | 100 | 155 | 175 |
| Input Voltage (V) | 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) Remote Gear: Less 1.8Kg | <12kg | <12kg | <12kg | <12kg | <12kg |

Dimensions



- Power Factor: >0.9

Features

- Smart City Ready - TST compatibility Zigbee, LoRa, NBLoT
- 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
- Aeroscreen (std) diffuser
- 7-pin Nema receptacle (7PN)
- Integrated thermal management
- Segregated termination chamber c/w quick access
- 20 year Design Life
- 10 year warranty

Technical Data

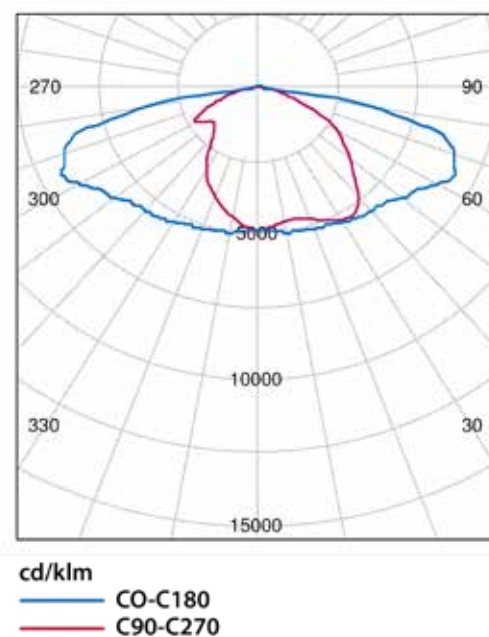
- Body:** High Pressure Marine Grade Die Cast Aluminum
- Optics:** Type **5 (Standard)**, 2 - 3, 5FT (Forward Throw)
- LED:** CREE
- Wattage:** 75 - 85 - 100 - 155 - 175 - 198 - 200 - 265 - 300 Watts
- Finishing:** Powder Coat (Grey Standard)
- Mounting:** 9 - 15 Metres
- Fixing:** Side Spigot mount (32-40mm NB) (49mm OD)
- IP rating:** IP66
- IK rating:** IK06
- Voltage:** 220V - 240V 50/60Hz

Options

- Zhaga:** Street Lighting Controller
- DALI-2, D4i**
- 3 in 1 Dimming without DALI-2**
- Fuse Terminal Block:** (FTB)
- Surge Protection Device:** (SPD - 10KVA, 20KVA)
- Class II:** (DB - Double Insulated)
- Colour:** Black (BL), Grey (GR - Standard)
- CCT:** 3000K, **4000K (Standard)**, 5000k
- Visor:** Glare shield/spill light kit (GV)
- Remote Gear:** (RG)
- 5 Deg Tilt Adjustment Adapter** (STA)



Photometric Design Data



Specification V-LED MKII - Cont.

| PRODUCT CODE | V198W | V200W | V265W | V298W | V300W |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|
| Photometric Distribution | T2, T3 | T2, T3, T5FT | T5 | T2, T3 | T5FT |
| System Watts | 198 | 200 | 240 | 250 | 300 |
| Input Voltage (V) | 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) Remote Gear: Less 1.8Kg | <12kg | <12kg | <12kg | <12kg | <12kg |

V-LED MKIII

The V-LED MKIII 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.

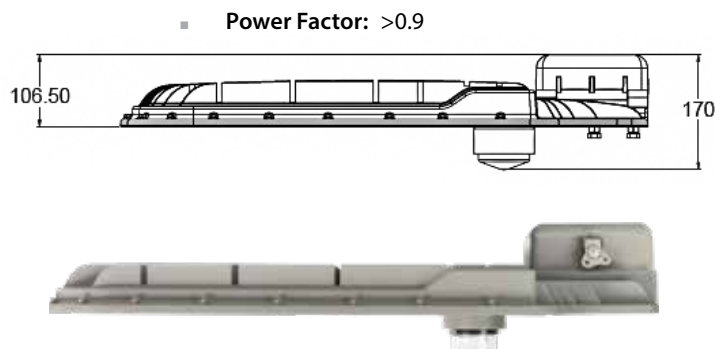
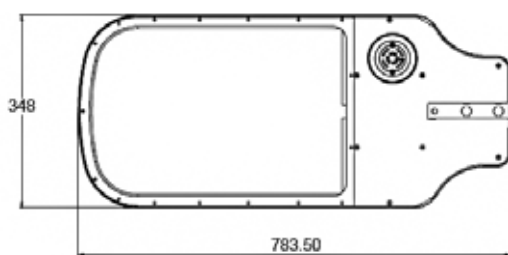
APPLICATIONS

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



ZHAGA, the next generation of Street Lighting Controller socket, is mounted onto our fittings and operated through a plug-and-play installation. It is the latest alternative, more compact DC connector, developed especially for today's contemporary designed LED light fittings. **Zhaga D4i Certified P-LED fittings** are future proof and available with both **Zhaga** and **NEMA** sockets. Developed according to a global lighting industry standard, **Zhaga** connectors can be deployed onto the V-LED range and integrated with our TST Smart City Solutions.

Dimensions



- Power Factor: >0.9

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
- Aeroscreen (std) diffuser
- 7-pin Nema receptacle (7PN)
- Integrated thermal management
- Supports DALI-2 connection and complies with D4i
- Segregated termination chamber c/w quick access
- 20 year Design Life
- 10 year warranty

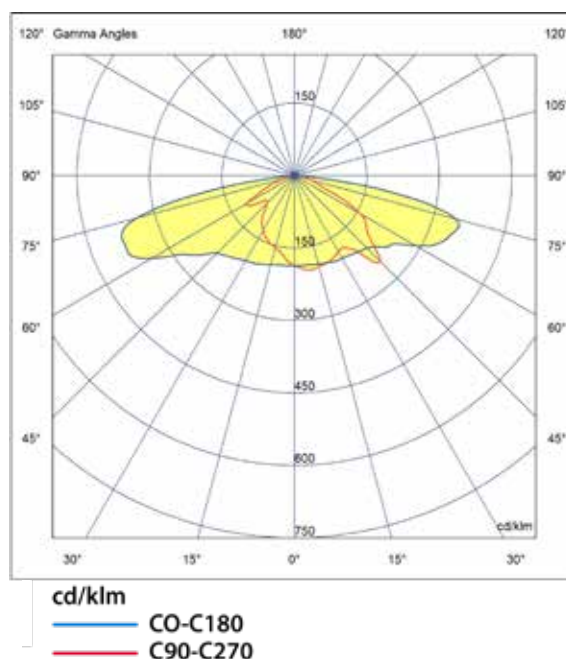
Options

- Zhaga:** Street Lighting Controller
- DALI-2, D4i**
- 3 in 1 Dimming without DALI-2**
- Fuse Terminal Block:** (FTB)
- Surge Protection Device:** (SPD - 10KVA, 20KVA)
- Class II:** (DB - Double Insulated)
- Colour:** Black (BL), Grey (GR - Standard)
- CCT:** 3000K, **4000K (Standard)**, 5000k
- Visor:** Glare shield/spill light kit (GV)
- Remote Gear:** (RG)
- 5 Deg Tilt Adjustment Adapter (STA)



Technical Data

- Body:** High Pressure Marine Grade Die Cast Aluminum
- Optics:** Type 5 - FT (Forward Throw)
- LED:** CREE
- Wattage:** 75 - 147 - 170 - 290 Watts
- Finishing:** Powder Coat (Grey Standard)
- Mounting:** 9 - 15 Metres
- Fixing:** Side Spigot mount (32-40mm NB) (49mm OD)
- IP rating:** IP65
- IK rating:** IK06
- Voltage:** 220V - 240V 50/60Hz



Specification V-LED MKIII – FT

| PRODUCT CODE | V75WT5FT | V147WT5FT | V170WT5FT | V290WT5FT |
|-------------------------------------|---------------------|---------------------|---------------------|---------------------|
| Photometric Distribution | T5FT | T5FT | T5FT | T5FT |
| Power Watts | 75 | 147 | 170 | 290 |
| Input Voltage (V) | 220V - 240V 50/60Hz | 220V - 240V 50/60Hz | 220V - 240V 50/60Hz | 220V - 240V 50/60Hz |
| CCT (K) | 4000 | 4000 | 4000 | 4000 |
| CRI | Ra>70 | Ra>70 | Ra>70 | Ra>70 |
| IP Protection | IP65 | IP65 | IP65 | IP65 |
| IK Protection | IK06 | IK06 | IK06 | IK06 |
| Weight (Kg) Remote Gear: Less 1.8Kg | <12kg | <12kg | <12kg | <12kg |

FLUD Series

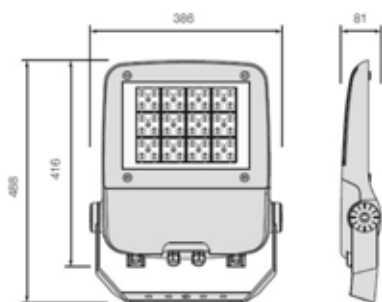
The FLUD is a High Performance, Energy Efficient, Pedestrian Crossing, Tunnel and Underpass Lighting Luminaire. Available in 3 sizes and 11 wattages.

APPLICATIONS

- Tunnels
- Underpasses
- Pedestrian Crossing
- Freeways
- Expressways
- Highways
- Motorways



Dimensions



Features

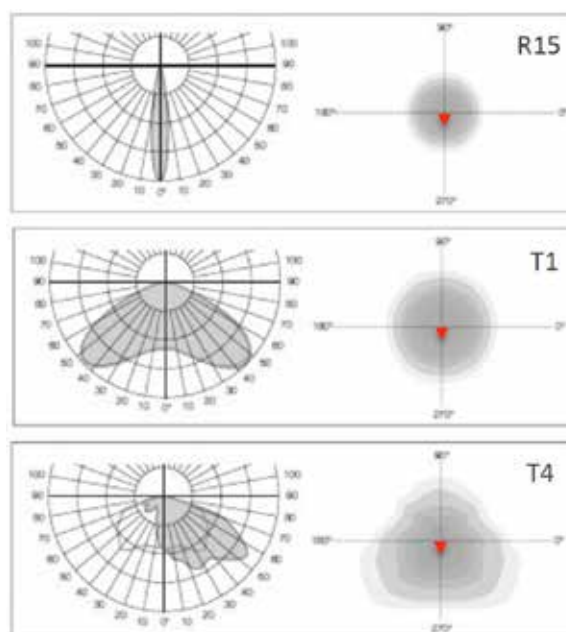
- Designed to meet stringent Australian Standards
- Suitable for Roadway, Tunnel and Landscape Applications
- Self cleaning housing and PMMA optical diffuser
- High Performance LED & Optics to meet AS/NZ1158
- Integrated thermal management
- Segregated termination point
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

Options

- 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:** Glareshield/spill light kit (GV)
- Controller:** RS485 lamp based driver suitable for tunnel lighting
- RGB:** DMX Controller

Technical Data

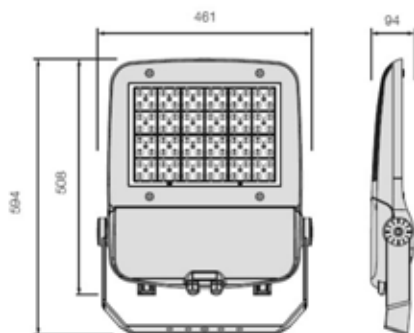
- Body:** High Pressure Marine Grade Die Cast Aluminum
- Optics:** Asymmetric - Symmetrical Distribution
- LED #:** CREE 36 - 36 - 48 - 48 (RGB)
- Wattage:** 80 - 100 - 120 & 120 (RGB) Watts
- Finishing:** Powder Coat (Grey Standard)
- Fixing:** Trunnion Mount
- IP rating:** IP66
- IK rating:** IK08
- Voltage:** 240V 50/60Hz
- Power Factor:** >0.9



Specification FLUD S

| PRODUCT CODE | FU.S.80W | FU.S.100W | FU.S.120W | FU.S.120W RGB |
|--------------------------|---------------|---------------|---------------|---------------|
| Photometric Distribution | R15 - T1 - T4 | R15 - T1 - T4 | R15 - T1 - T4 | R15 - T1 |
| System Wattage | 80 | 100 | 120 | 120 |
| Input Voltage (V) | 240 | 240 | 240 | 240 |
| Current Drive (mA) | 766 | 957 | 862 | 862 |
| CCT (K) | 4000 | 4000 | 4000 | 4000 |
| CRI | Ra>70 | Ra>70 | Ra>70 | Ra>70 |
| IP Protection | IP66 | IP66 | IP66 | IP66 |
| IK Protection | IK08 | IK08 | IK08 | IK08 |
| Weight (Kg) - max. | 9.2 | 9.2 | 9.2 | 9.2 |

Dimensions



Features

- Designed to meet stringent Australian Standards
- Suitable for Roadway, Tunnel and Landscape Applications
- Self cleaning housing and PMMA optical diffuser
- High Performance LED & Optics to meet AS/NZ1158
- Integrated thermal management
- Segregated termination point
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

Technical Data

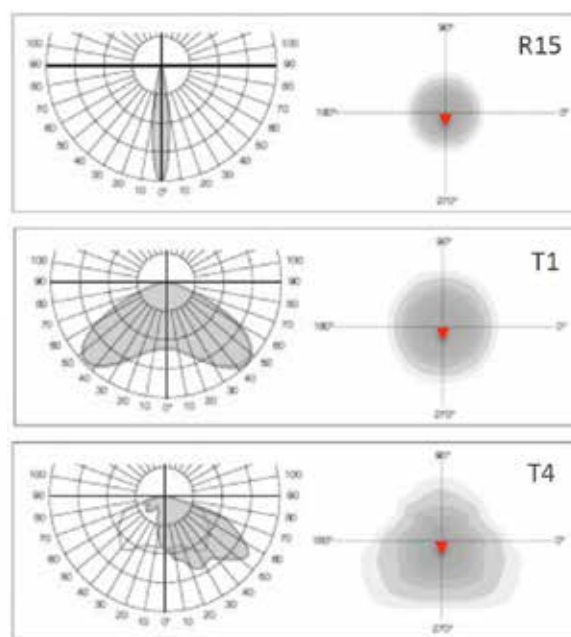
- Body:** High Pressure Marine Grade Die Cast Aluminum
- Optics:** Asymmetric - Symmetrical Distribution
- LED #:** CREE 64 - 80 - 96 - 96 (RGB)
- Wattage:** 150 - 200 - 240 - 300 (RGB) Watts
- Finishing:** Powder Coat (Grey Standard)
- Fixing:** Trunnion Mount
- IP rating:** IP66
- IK rating:** IK08
- Voltage:** 240V 50/60Hz
- Power Factor:** >0.9



Options

- Photocell:** 7-pin Nema receptacle (7PN), D2 type cell (D2)
- 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:** Glareshield/spill light kit (GV)
- Controller:** RS485 lamp based driver suitable for tunnel lighting
- RGB:** DMX Controller

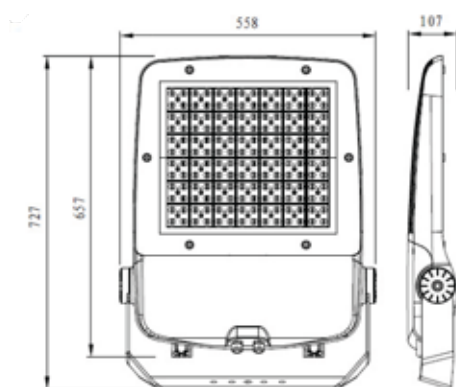
Photometric Design Data



Specification FLUD M

| PRODUCT CODE | FU.M.150W | FU.M.200W | FU.M.240W | FU.M.300W |
|--------------------------|---------------|---------------|---------------|---------------|
| Photometric Distribution | R15 - T1 - T4 | R15 - T1 - T4 | R15 - T1 - T4 | R15 - T1 - T4 |
| System Wattage | 150 | 200 | 240 | 300 |
| Input Voltage (V) | 240 | 240 | 240 | 240 |
| Current Drive (mA) | 808 | 862 | 862 | 862 |
| CCT (K) | 4000 | 4000 | 4000 | 4000 |
| CRI | Ra>70 | Ra>70 | Ra>70 | Ra>70 |
| IP Protection | IP66 | IP66 | IP66 | IP66 |
| IK Protection | IK08 | IK08 | IK08 | IK08 |
| Weight (Kg) - max. | 13.3 | 13.4 | 13.4 | 13.4 |

Dimensions



Features

- Designed to meet stringent Australian Standards
- Suitable for Roadway, Tunnel and Landscape Applications
- Self cleaning housing and PMMA optical diffuser
- High Performance LED & Optics to meet AS/NZ1158
- Integrated thermal management
- Segregated termination point
- Hinged 'quick access latch'
- Complies with AS/NZ 1158.6 & AS/NZ 1158.1
- 10 year warranty

Technical Data

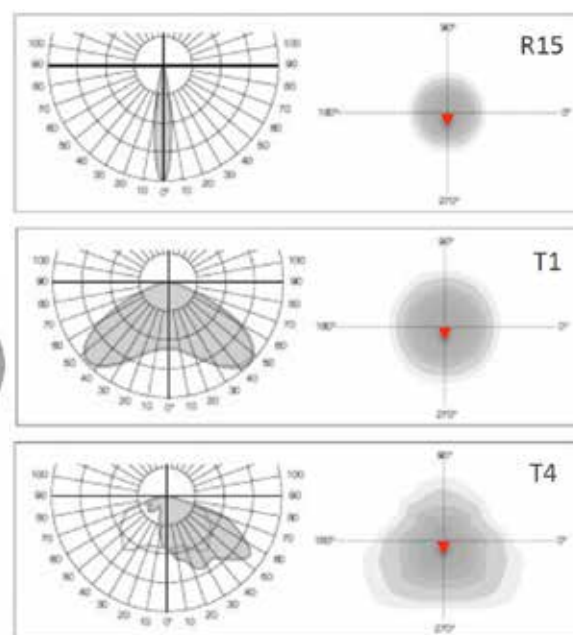
- **Body:** High Pressure Marine Grade Die Cast Aluminum
- **Optics:** Asymmetric - Symmetrical Distribution
- **LED #:** CREE 120 - 140 - 140 (RGB)
- **Wattage:** 360 - 400 - 480 (RGB) Watts
- **Finishing:** Powder Coat (Grey Standard)
- **Fixing:** Trunnion Mount
- **IP rating:** IP66
- **IK rating:** IK08
- **Voltage:** 240V 50/60Hz
- **Power Factor:** >0.9



Options

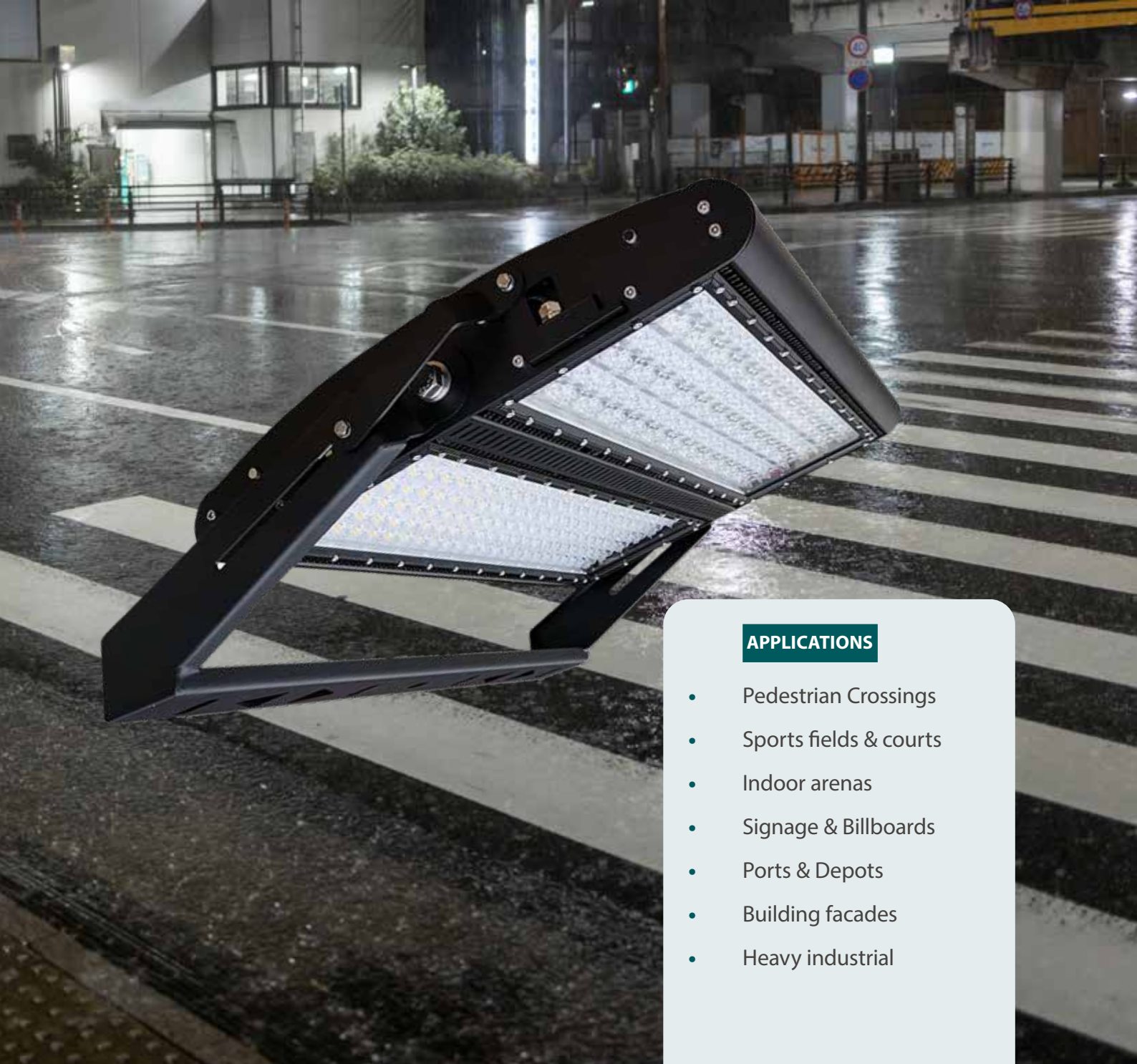
- **Photocell:** 7-pin Nema receptacle (7PN), D2 type cell (D2)
- **Fuse Terminal Block:** (FTB)
- **Surge Protection Device:** (SPD - 10KVA, 20KVA)
- **Class II:** (DB - Double Insulated)
- **Colour:** Black (BL), White (WH), Grey (GR-Standard)
- **CCT:** 3000K, **4000K (Standard)**, 5000K
- **Visor:** Glareshield/spill light kit (GV)
- **Controller:** RS485 lamp based driver suitable for tunnel lighting
- **RGB:** DMX Controller

Photometric Design Data



Specification FLUD L

| PRODUCT CODE | FU.L.320W | FU.L.400W | FU.L.480W |
|--------------------------|---------------|---------------|---------------|
| Photometric Distribution | R15 - T1 - T4 | R15 - T1 - T4 | R15 - T1 - T4 |
| System Wattage | 360 | 400 | 480 |
| Input Voltage (V) | 240 | 240 | 240 |
| Current Drive (mA) | 862 | 887 | 739 |
| CCT (K) | 4000 | 4000 | 4000 |
| CRI | Ra>70 | Ra>70 | Ra>70 |
| IP Protection | IP66 | IP66 | IP66 |
| IK Protection | IK08 | IK08 | IK08 |
| Weight (Kg) - max. | 21.2 | 21.2 | 21.2 |



APPLICATIONS

- Pedestrian Crossings
- Sports fields & courts
- Indoor arenas
- Signage & Billboards
- Ports & Depots
- Building facades
- Heavy industrial

FLUD X

Aldridge FLUD X is the next generation, state-of-the-art flood light with improved features and optics. Engineered with an industry leading fold fin thermal technology, and designed for high performance outdoor lighting.



Technical Data FLUD X

| Description | | FLX Series | | | | |
|-------------------------------|---|--|--------------|----------|-----------|--------------|
| SMALL | Model Number SINGLE PCB | FLX-60W-T30 | FLX-80W | FLX-100W | FLX-120W | FLX-150W-T30 |
| | Typical System Power (W) | 66 | 85 | 100 | 130 | 155 |
| | Typical Luminous Flux | 9,400 | 12,100 | 14,100 | 18,500 | 22,100 |
| | Weight | 4.2 | 5.9 | 5.9 | 7.2 | 7.2 |
| MEDIUM | Model Number | FLX-200W | FLX-250W-T30 | FLX-300W | FLX-350W | FLX-400W |
| | Typical System Power (W) | 220 | 250 | 310 | 370 | 440 |
| | Typical Luminous Flux | 31,300 | 35,600 | 44,100 | 52,600 | 62,600 |
| | Weight | 8.2 | 8.9 | 11.1 | 12.3 | 12.3 |
| LARGE | Model Number DOUBLE PCB | FLX-500W | FLX-600W | FLX-800W | FLX-1000W | FLX-1200W |
| | Typical System Power (W) | 500 | 620 | 880 | 1000 | 1200 |
| | Typical Luminous Flux | 71,200 | 88,200 | 125,300 | 142,400 | 170,800 |
| | Weight | 21.5 | 22.2 | 21.5* | 21.5* | 25.3* |
| Light Source | | Lumileds/Osram 5050 | | | | |
| Correlated Colour Temperature | | 4000K, (3000K, 5000K, 6500K available) | | | | |
| Colour Rendering Index | | >70 or (>80 optional) | | | | |
| System Efficacy | | 135 – 143 Lm/W (depends on optics) | | | | |
| Optics | Round: 20° x 20° 30° x 30° 60° x 60° | | | | | |
| | Square: 60° x 60° 90° x 90° | | | | | |
| | Asymmetric: 45° x 145° 70° x 145° 60° x 90° 60° x 135° | | | | | |
| | Ultra Asymmetric: 45° x 145° 60°x140° | | | | | |
| Driver | | Meanwell | | | | |
| Input Voltage Range | | 90 – 305VAC (347 – 480VAC optional) | | | | |
| Power Factor | | >0.9 | | | | |
| Ingress Protection (IP) | | IP65 | | | | |
| Electrical Class | | Class 1 | | | | |
| Dimming Control Optional | | 0-10V, DALI | | | | |
| Ambient Operating Temperature | | -40°C – +45°C | | | | |
| Ambient Storage Temperature | | -25°C to – 80°C | | | | |
| Material | | Die Cast Aluminium (Heatsink), Stainless Steel (Bracket) | | | | |
| Optical Cover | | Tempered Glass | | | | |
| Finish | | Black Powder Coating | | | | |
| Ingress Protection (IP) | | IP65 | | | | |
| Accessories | | | | | | |
| Trunnion Bracket | | Slip fitter options | | | | |
| NEMA receptacle options | | 7-pin | | | | |

* For FLX-800 and higher wattage, only remote driver configuration is available. Weight information is FIXTURE ONLY, drivers not included.

a) For 600W and below, all drivers are built into the fixture. Weight information includes the driver.

b) Above luminous flux are typical values, actual results can vary according to different optics. Please refer to the latest photometric files.

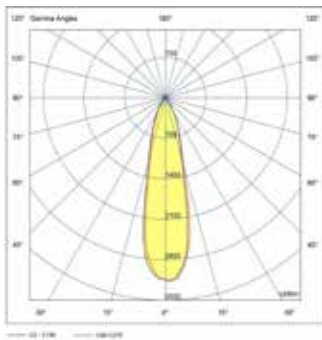
Features

- Up to 1200W and over 170,000 luminous flux, with system efficacy exceeding 140 lm/W.
- Slim profile offering best performance ratio for windage and weight.
- Unique, fold fin heatsink technology greatly reduces thermal density and maintains a low LED junction temperature
- Full range of optics for a wide variety of professional lighting applications
- Protective UV stabilized powder coated finish
- IP65 weather resistant
- 0-10V or DALI Dimming options and compatible with all leading lighting control systems

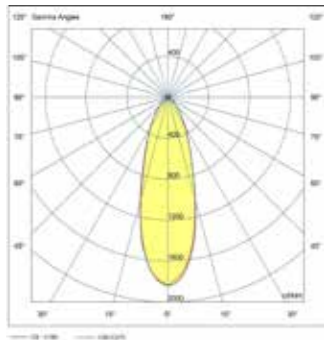


Photometric Design Data

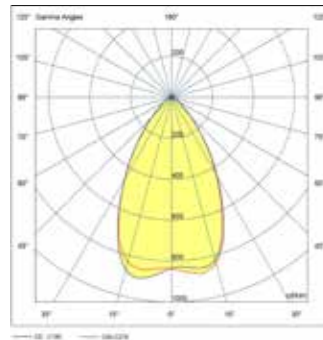
N020



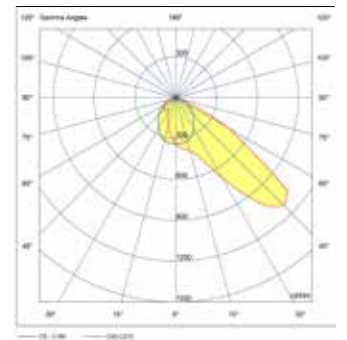
N030



N060



T30

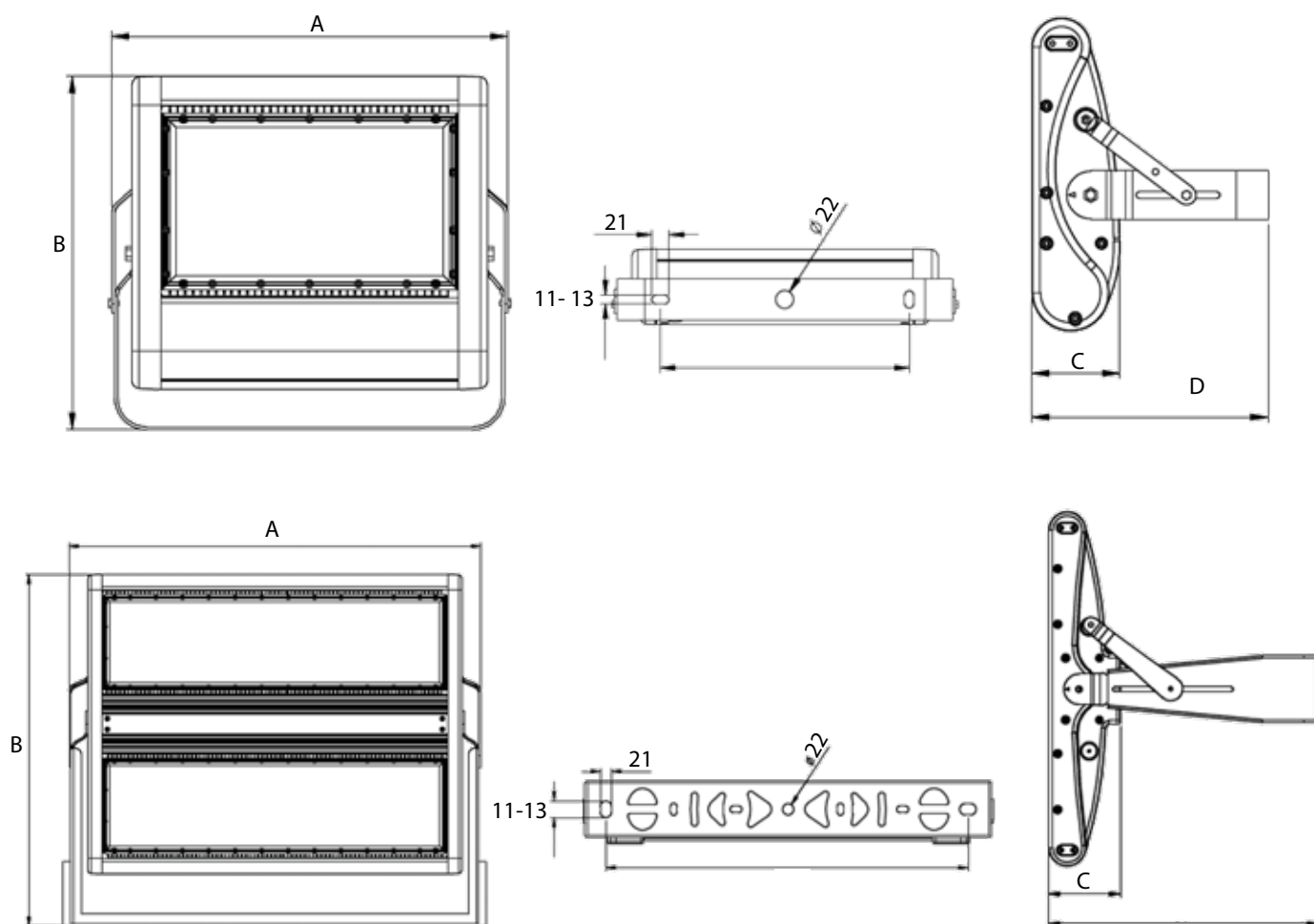


Specifications FLUD X

| Size | Product ID | System Power | Colour Temp | CRI | Optics | Control | Finish |
|--------|--------------|--------------|-------------|----------------------------|-----------------------------|-----------------------|------------|
| SMALL | FLX-60W-T30 | 060 = 60W | 30K = 3000K | > 70 = min 70 | Round (20° x 20°) | ND = Non-Dimmable | BL = Black |
| | FLX-80W | 080 = 80W | 40K = 4000K | > 80 = min 80 | Round (30° x 30°) | VD = 0 – 10V Dimmable | |
| | FLX-100W | 100 = 100W | 50K = 5000K | | Round (60° x 60°) | DD = DALI Dimmable | |
| | FLX-120W | 120 = 120W | 65K = 6500K | | Square (60° x 60°) | | |
| | FLX-150W-T30 | 150 = 150W | | | Square (90° x 90°) | | |
| MEDIUM | FLX-200W | 200 = 200W | | | Asymmetric (45° x 145°) | | |
| | FLX-250W-T30 | 250 = 250W | | | Asymmetric (70° x 145°) | | |
| | FLX-300W | 300 = 300W | | | Asymmetric (60° x 90°) | | |
| | FLX-350W | 350 = 350W | | Asymmetric (60° x 135°) | | | |
| | FLX-400W | 400 = 400W | | ULTRA Asymmetric (30°x95°) | | | |
| LARGE | FLX-500W | 500 = 500W | | | ULTRA Asymmetric (60°x140°) | | |
| | FLX-600W | 600 = 600W | | | | | |
| | FLX-800W | 800 = 800W | | | | | |
| | FLX-1000W | 1000 = 1000W | | | | | |
| | FLX-1200W | 1200 = 1200W | | | | | |



Dimensions



| Size | Model Number | Dimension A | Dimension B | Dimension C | Weight |
|--------|--------------|-------------|-------------|-------------|--------|
| SMALL | FLX-60W-T30 | 259mm | 367mm | 91mm | 4.2 |
| | FLX-80W | 310mm | 367mm | 91mm | 5.9 |
| | FLX-100W | 310mm | 367mm | 91mm | 5.9 |
| | FLX-120W | 360mm | 367mm | 91mm | 8.9 |
| | FLX-150W-T30 | 360mm | 367mm | 91mm | 7.2 |
| MEDIUM | FLX-200W | 411mm | 367mm | 91mm | 7.2 |
| | FLX-250W-T30 | 461mm | 367mm | 91mm | 8.2 |
| | FLX-300W | 562mm | 367mm | 91mm | 8.9 |
| | FLX-350W | 663mm | 367mm | 91mm | 11.1 |
| | FLX-400W | 663mm | 367mm | 91mm | 12.3 |
| LARGE | FLX-500W | 584mm | 672mm | 116mm | 21.5 |
| | FLX-600W | 584mm | 672mm | 116mm | 22.2 |
| | FLX-800W | 788mm | 583mm | 116mm | 21.5 |
| | FLX-1000W | 788mm | 583mm | 116mm | 21.5 |
| | FLX-1200W | 938mm | 583mm | 116mm | 21.5 |



APPLICATIONS

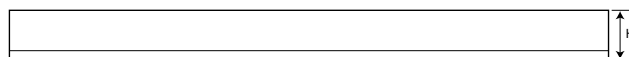
- Tunnels
- Underpasses
- Pedestrian Underpasses
- Rail Stations
- Transport Hubs
- Police Stations
- Adverse Locations

S-LED

The S-LED is an Energy Efficient, Tunnel and Underpass Lighting Luminaire. Suitable for pedestrian and vehicle underpass, railway stations, transport hubs, police stations or adverse locations that may be subject to vandalism.



Dimensions



Features

- Suitable for pedestrian and vehicle underpass, railway stations, transport hub, police stations and adverse locations that are subject to vandalism
- Designed to comply with stringent AS/NZ standards
- High performance LED & Optics to meet AS/NZ standards
- Integrated thermal management
- Removable driver and LED module
- End to end mounting
- Smart City compatible - TST
- 10 year warranty

Technical Data

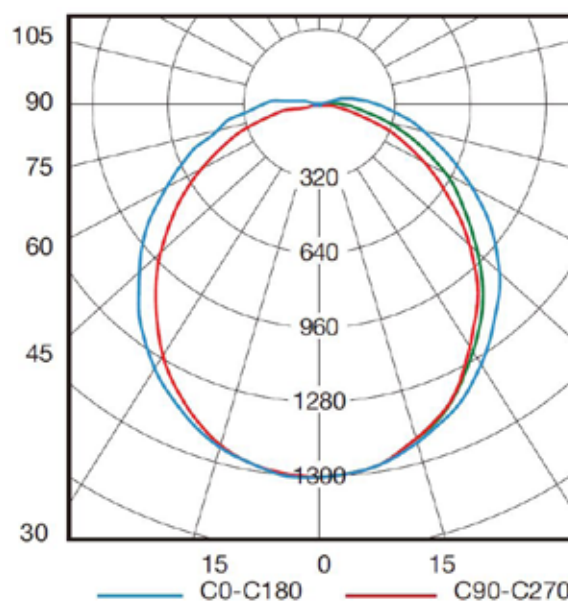
- **Body:** Formed Aluminium - Marine Grade
- **Optics:** T2 - T3
- **Wattage:** 20 - 30 - 40 - 60 - 80 Watts
- **Finishing:** Powder Coat (Grey Standard)
- **Fixing:** Ceiling or Wall
- **Mounting:** 3 - 6 Metres
- **IP rating:** IP65
- **IK rating:** IK10
- **Voltage:** 230VAC 50/60Hz
- **Power Factor:** >0.9

Options

- **Flat diffuser IK10:** (Aero)
- **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
- **Controller:** RS485 compatible lamp driver: (TST:LCU12R)
- **TST compatible:** (TST:SCU02)



Photometric Design Data



Specification S-LED

| PRODUCT CODE | SLED.20W | SLED.30W | SLED.40W | SLED.60W | SLED.80W |
|-------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Dimensions L x W x H mm | 1255 x 150 x 90 | 1255 x 150 x 90 | 1255 x 150 x 90 | 1255 x 150 x 90 | 1555 x 150 x 90 |
| System Wattage | 20 | 30 | 40 | 60 | 80 |
| Input Voltage (V) | 230 | 230 | 230 | 230 | 230 |
| CCT (K) | 4000 | 4000 | 4000 | 4000 | 4000 |
| CRI | Ra>80 | Ra>80 | Ra>80 | Ra>80 | Ra>80 |
| IP Protection | IP65 | IP65 | IP65 | IP65 | IP65 |
| IK Protection | IK10 | IK10 | IK10 | IK10 | IK10 |
| Weight (Kg) - max. | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |







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