



Street Lights solutions

Designing your lighting solutions



Street Lights



Atlas Street light
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Park Lights



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Venus Park Light
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Halo Park Light
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Key Features

The unique programmable driver makes the Smart City Ready feature respond effortlessly to all your changing lighting needs.

Overview

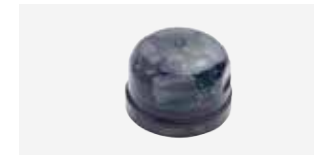


Detail



01 LED Power Supply

- A variety of drivers are available.
- 7-10 years warranty



02 Wireless control system

- To establish smart city operation, energy conservation and environmental protection.



03 Photocell / NEMA 3/5/7 PIN

- Lamp will automatically turn on and off according to lux difference.
- NEMA 3/5/7 PIN available



04 Modular LED lens design

- Optional light distribution curve available with optics Type I (S/M/L), Type II (S/M/L), Type III (S/M/L).
- High efficiency LED Type source.



05 Imported Breather

- Lamp breather ensures air balance inside and outside of the luminaire which improves the street lights' service life.



06 Detachable connect base

- Easy disassembly for reduced maintenance costs.



07 10kV Surge Protection Device

- Extends the lifetime of the product while also protecting the driver and the luminaire from lightnings.
- CLASS I & CLASS II available

Advantages & Applications

An optimised and fully certified LED lighting solution that provides a cost effective and fast return on investment.

Advantages

- 01 Tempered glass with 94% light transmittance
- 02 High intensity marine grade, die-cast aluminium body with an IK10 impact grade and tempered glass cover rated IK08.
- 03 High product reliability by applying 13 steps painting process.
- 04 High efficiency coating. Paint and metal parts successfully passed the 500 hours salt spray test.
- 05 Modular optical lens design, easy to upgrade in the future.
- 06 Detachable design and use of fast turn off power protector render this luminaire convenient and safe for maintenance.
- 07 10kV Surge Protection Device included & 20kV Surge Protection Device optional.
- 08 Available with Electrical Protection Class I or Class II.
- 09 Cost-effective and efficient lighting solution for a fast return of investment.
- 10 4 sizes for flexibility
- 11 Easy installation and maintenance
- 12 Programmable Drivers - Smart-ready
- 13 ENEC CLASS I + CLASS II

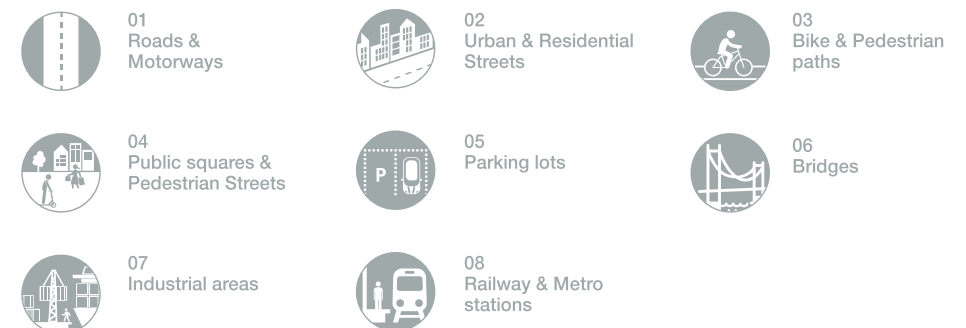
Characteristics

- | | |
|------------------------------------|---|
| 01 Power consumption | 26W - 240W |
| 02 Typical Luminaire output flux | 4030Lm - 38400Lm |
| 03 Colour temperature | 2200K - 6500K |
| 04 CRI | CRI70, CRI80 available on request |
| 05 LED Chip | Bridgelux 5050 / 3030 |
| 06 Nominal voltage | AC100-277V, 50/60Hz |
| 06 Driver Brand | Moso (IP67) |
| 07 Surge Protection | 10kV |
| 08 Smart Control Options | Wireless Control System/ Photocell/Dimming |
| 09 Product IP Class | IP66 |
| 10 Material | Die cast aluminium & Tempered glass |
| 11 Housing Colour | RAL7040/ Other colours available on request |
| 12 Installation options | Vertical Pole / Horizontal Pole |
| 13 Recommended Installation Height | 4m - 12m |
| 14 Operating temperature | -40°C ~ +50°C |
| 15 Optics | Type I S/M/L, Type II S/M/L, Type III S/M/L |

Certificates



Applications



Housing & Installation

The unique ergonomic housing design enables easy on-site maintenance and installation. The die cast aluminium housing protects the interior components and ensures longevity and durability in demanding conditions.

Housing



01 PC optical lens module

- Special optic lenses provide light uniformity which optimizes the lamp's light distribution and efficiency
- Anti-aging
- Anti-ultraviolet radiation
- 142° C High temperature resistance
- 110° C Low temperature resistance

02 Double lamp body protection

- Super Toughened glass
- Toughened 3N/cm
- Surface stress resistance $\geq 87\text{Mpa}$
- Internal parts
- Anti-aging ability



03 Al-Si-Cu Alloy Die Casting Housing

- Tensile strength reaches 288.3N/mm²
- Impact level up to IK08
- IEC 62262;2002
- Protection level of outer shell for external mechanical collision
- Stainless steel screws
- Structure allows air flow through heat sink for optimum heat management



Clip-on design

Clip-on design, makes lamp easy to install, maintain and replace.



Installation

The adjustable bracket allows horizontal or vertical installation.



Horizontal Installation

Vertical Installation

Adjustable Light Angle

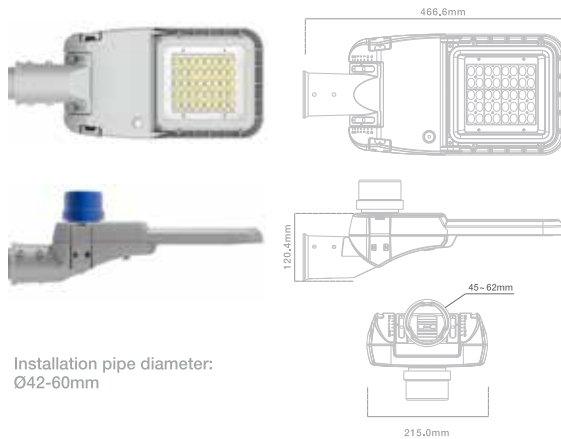
Model variants & Technical details

A complete and versatile range of lighting solutions for all road conditions.

P Model 10-45W

24/40 LED pieces

160 Lm/W

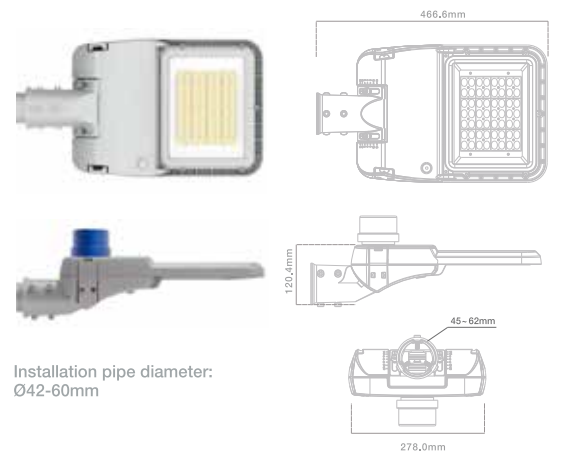


Installation pipe diameter: Ø42-60mm

S Model 15-60W

48/56 LED pieces

160 Lm/W

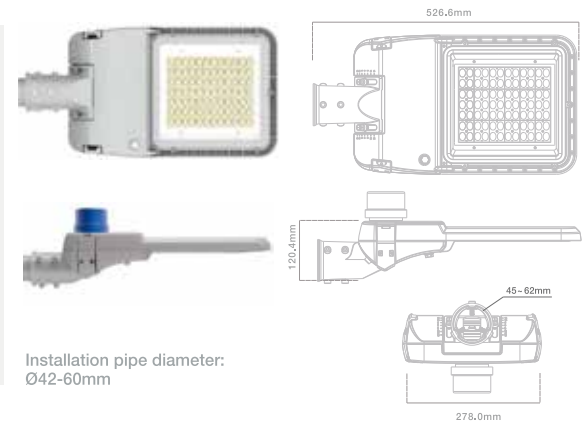


Installation pipe diameter: Ø42-60mm

M Model 40-110W

72/84 LED pieces

160 Lm/W

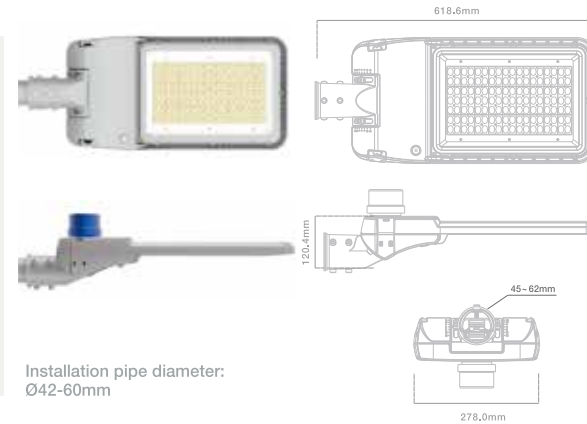


Installation pipe diameter: Ø42-60mm

L Model 60-160W

108/126 LED pieces

160 Lm/W

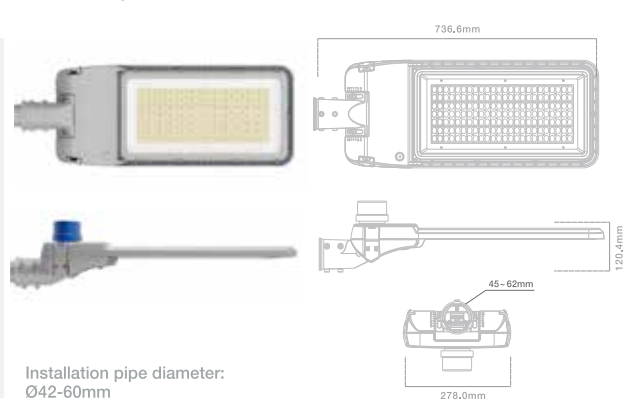


Installation pipe diameter: Ø42-60mm

H Model 150-250W

168 LED pieces

160 Lm/W



Installation pipe diameter: Ø42-60mm

Protection ratings & Specifications

Specifications - CLASS I

| Model | Power | LED Brand | LED pcs | Luminous flux | Input Voltage | Driver Brand Model No. | Pole Diameter | Qty/ctn | G. W. | Product Dimensions |
|--------------|----------|-----------|---------|---------------|---------------|------------------------|---------------|---------|-------|--------------------|
| SL-AT01-026M | 10-26W | Bridgelux | 24 | 1600-4160lm | 100-277V | MOSO X6 026M052 | Ø42-60mm | 1pc | 4 | 466*215*120mm |
| SL-AT01-026M | 15-45W | Bridgelux | 40 | 2400-7200lm | 100-277V | MOSO X6 042M049 | Ø42-60mm | 1pc | 4 | 466*215*120mm |
| SL-AT01-060M | 15-45W | Bridgelux | 48 | 2400-7200lm | 100-277V | MOSO X6 042M049 | Ø42-60mm | 1pc | 5 | 466*278*120mm |
| SL-AT01-060M | 30-60W | Bridgelux | 56 | 4800-9600lm | 100-277V | MOSO X6 060M050 | Ø42-60mm | 1pc | 5 | 466*278*120mm |
| SL-AT01-080M | 40-80W | Bridgelux | 72 | 6400-12800lm | 100-277V | MOSO X6 075M062 | Ø42-60mm | 1pc | 5.7 | 526*278*120mm |
| SL-AT01-080M | 40-80W | Bridgelux | 84 | 6800-13600lm | 100-277V | MOSO X6 075M062 | Ø42-60mm | 1pc | 5.7 | 526*278*120mm |
| SL-AT01-080M | 50-110W | Bridgelux | 84 | 8000-16000lm | 100-277V | MOSO X6 105M062 | Ø42-60mm | 1pc | 5.7 | 526*278*120mm |
| SL-AT01-120M | 60-110W | Bridgelux | 108 | 9600-17600lm | 100-277V | MOSO X6 105M062 | Ø42-60mm | 1pc | 6.5 | 618*278*120mm |
| SL-AT01-120M | 80-160W | Bridgelux | 108 | 12800-25600lm | 100-277V | MOSO X6 150M062 | Ø42-60mm | 1pc | 6.5 | 618*278*120mm |
| SL-AT01-120M | 80-160W | Bridgelux | 126 | 13600-27200lm | 100-277V | MOSO X6 150M062 | Ø42-60mm | 1pc | 6.5 | 618*278*120mm |
| SL-AT01-200M | 150-210W | Bridgelux | 168 | 24000-33600lm | 100-277V | MOSO X6 200M062 | Ø42-60mm | 1pc | 8.4 | 736*278*120mm |
| SL-AT01-200M | 200-250W | Bridgelux | 168 | 32000-40000lm | 100-277V | MOSO X6 240M062 | Ø42-60mm | 1pc | 8.4 | 736*278*120mm |

Specifications - CLASS II

| Model | Power | LED Brand | LED pcs | Luminous flux | Input Voltage | Driver Brand Model No. | Pole Diameter | Qty/ctn | G. W. | Product Dimensions |
|--------------|----------|-----------|---------|---------------|---------------|------------------------|---------------|---------|-------|--------------------|
| SL-AT01-026M | 15-30W | Bridgelux | 24 | 1600-4160lm | 100-277V | MOSO X6 026M052 | Ø42-60mm | 1pc | 4 | 466*215*120mm |
| SL-AT01-026M | 15-45W | Bridgelux | 40 | 2400-7200lm | 100-277V | MOSO X6 042M049 | Ø42-60mm | 1pc | 4 | 466*215*120mm |
| SL-AT01-026M | 30-60W | Bridgelux | 48 | 2400-7200lm | 100-277V | MOSO X6 042M049 | Ø42-60mm | 1pc | 5 | 466*278*120mm |
| SL-AT01-042M | 30-60W | Bridgelux | 56 | 4800-9600lm | 100-277V | MOSO X6 060M050 | Ø42-60mm | 1pc | 5 | 466*278*120mm |
| SL-AT01-042M | 23-45W | Bridgelux | 72 | 6400-12800lm | 100-277V | MOSO X6 075M062 | Ø42-60mm | 1pc | 5.7 | 526*278*120mm |
| SL-AT01-042M | 30-60W | Bridgelux | 84 | 6800-13600lm | 100-277V | MOSO X6 075M062 | Ø42-60mm | 1pc | 5.7 | 526*278*120mm |
| SL-AT01-042M | 40-80W | Bridgelux | 84 | 8000-16000lm | 100-277V | MOSO X6 105M062 | Ø42-60mm | 1pc | 5.7 | 526*278*120mm |
| SL-AT01-080M | 35-70W | Bridgelux | 108 | 9600-17600lm | 100-277V | MOSO X6 105M062 | Ø42-60mm | 1pc | 6.5 | 618*278*120mm |
| SL-AT01-080M | 40-80W | Bridgelux | 108 | 12800-25600lm | 100-277V | MOSO X6 150M062 | Ø42-60mm | 1pc | 6.5 | 618*278*120mm |
| SL-AT01-080M | 55-110W | Bridgelux | 126 | 13600-27200lm | 100-277V | MOSO X6 150M062 | Ø42-60mm | 1pc | 6.5 | 618*278*120mm |
| SL-AT01-120M | 55-110W | Bridgelux | 168 | 24000-33600lm | 100-277V | MOSO X6 200M062 | Ø42-60mm | 1pc | 8.4 | 736*278*120mm |
| SL-AT01-120M | 80-160W | Bridgelux | 168 | 32000-40000lm | 100-277V | MOSO X6 240M062 | Ø42-60mm | 1pc | 8.4 | 736*278*120mm |
| SL-AT01-200M | 80-160W | Bridgelux | 168 | 32000-40000lm | 100-277V | MOSO X6 240M062 | Ø42-60mm | 1pc | 8.4 | 736*278*120mm |
| SL-AT01-200M | 105-210W | Bridgelux | 168 | 32000-40000lm | 100-277V | MOSO X6 240M062 | Ø42-60mm | 1pc | 8.4 | 736*278*120mm |
| SL-AT01-200M | 125-250W | Bridgelux | 168 | 32000-40000lm | 100-277V | MOSO X6 240M062 | Ø42-60mm | 1pc | 8.4 | 736*278*120mm |

- Moso Driver Warranty 7yrs and 10yrs
- CRI80 available on request and price change

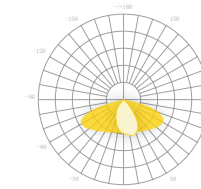
- Standard Pre-cabling 0.6m and longer available on request and subject to price change
- Standard colour RAL7040 and other RAL available on request and subject to price change

Light performance & Distribution

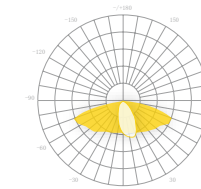
The Atlas LED street light solution offers reliable optical performance and durability for efficient light coverage in the most demanding situations.

Light Distribution Diagram

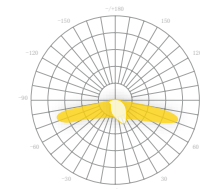
Type 1S



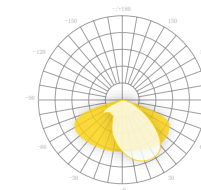
Type 1M



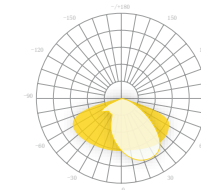
Type 1L



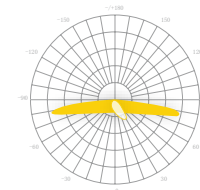
Type 2S



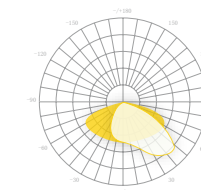
Type 2M



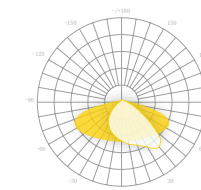
Type 2L



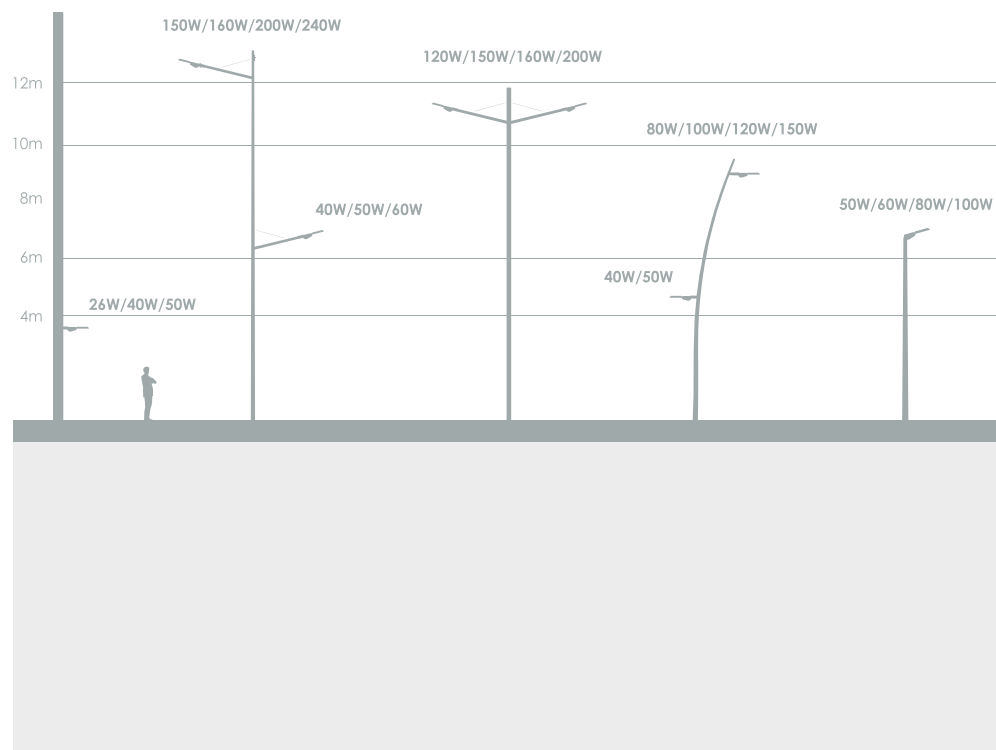
Type 3S



Type 3M



Pole Selection



Key Features

The unique programmable driver makes the Smart City Ready feature respond effortlessly to all your changing lighting needs.

Overview



Detail



01 LED Power Supply

- A variety of drivers are available.
- 7-10 years warranty



02 Wireless control system

To establish smart city operation, energy conservation and environmental protection.



03 Photocell / NEMA 3/5/7 PIN

- Lamp will automatically turn on and off according to lux difference.
- NEMA 3/5/7 PIN available



04 Modular LED lens design

- Optional light distribution curve available with optics Type I (S/M/L), Type II (S/M/L), Type III (S/M/L).
- High efficiency LED Type source.



05 Imported Breather

Lamp breather ensures air balance inside and outside of the luminaire which improves the street lights' service life.



06 Detachable connect base

Easy disassembly for reduced maintenance costs.



07 10kV Surge Protection Device

- Extends the lifetime of the product while also protecting the driver and the luminaire from lightnings.
- CLASS I & CLASS II available



08 Power Turn Off Protector available

When the luminaire is opened for maintenance, a mechanism automatically cuts off power supply to ensure the safety of the maintenance personnel.



09 Adjustable bracket available, 0°-90°

Adjustable bracket for horizontal or vertical installation.

Advantages & Applications

An optimised and fully certified LED lighting solution that provides a cost effective and fast return on investment.

Advantages

- 01 Tempered glass with 94% light transmittance
- 02 High intensity marine grade, die-cast aluminium body with an IK08 impact grade and tempered glass cover rated IK08.
- 03 High product reliability by applying 13 steps painting process.
- 04 High efficiency coating. Paint and metal parts successfully passed the 500 hours salt spray test.
- 05 Modular optical lens design, easy to upgrade in the future.
- 06 Detachable design and use of fast turn off power protector render this luminaire convenient and safe for maintenance.
- 06 10kV Surge Protection Device included & 20kV Surge Protection Device optional.
- 07 Available with Electrical Protection Class I or Class II.
- 08 Cost-effective and efficient lighting solution for a fast return of investment.
- 09 4 sizes for flexibility
- 10 Easy installation and maintenance
- 11 Programmable Drivers - Smart-ready
- 12 ENEC CLASS I + CLASS II

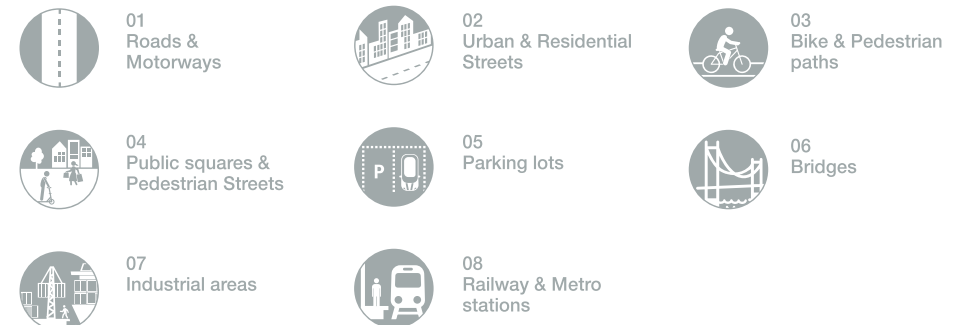
Characteristics

- | | |
|------------------------------------|---|
| 01 Power consumption | 26W - 240W |
| 02 Typical Luminaire output flux | 4030Lm - 37200Lm |
| 03 Colour temperature | 2200K - 6500K |
| 04 CRI | CRI70, CRI80 available on request |
| 05 LED Chip | Bridgelux 5050 / 3030 |
| 06 Nominal voltage | AC100-277V, 50/60Hz |
| 06 Driver Brand | Moso (IP67) |
| 07 Surge Protection | 10kV |
| 08 Smart Control Options | Wireless Control System/ Photocell/Dimming |
| 09 Product IP Class | IP66 |
| 10 Material | Die cast aluminium & Tempered glass |
| 11 Housing Colour | RAL7040/ Other colours available on request |
| 12 Installation options | Vertical Pole / Horizontal Pole |
| 13 Recommended Installation Height | 4m - 12m |
| 14 Operating temperature | -40°C ~ +50°C |
| 15 Optics | Type I S/M/L, Type II S/M/L, Type III S/M/L |

Certificates



Applications



Housing & Installation

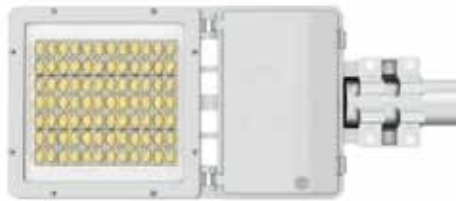
The unique ergonomic housing design enables easy on-site maintenance and installation. The die cast aluminium housing protects the interior components and ensures longevity and durability in demanding conditions.

Housing



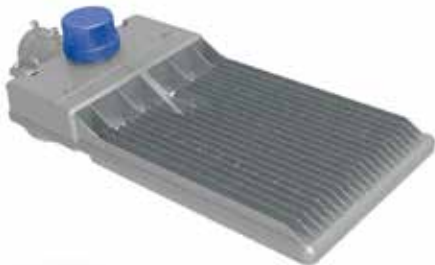
01 PC optical lens module

- Special optic lenses provide light uniformity which optimizes the lamp's light distribution and efficiency
- Anti-aging
- Anti-ultraviolet radiation
- 142° C High temperature resistance
- 110° C Low temperature resistance



02 Double lamp body protection

- Super Toughened glass
- Toughened 3N/cm
- Surface stress resistance $\geq 87\text{Mpa}$
- Internal parts
- Anti-aging ability

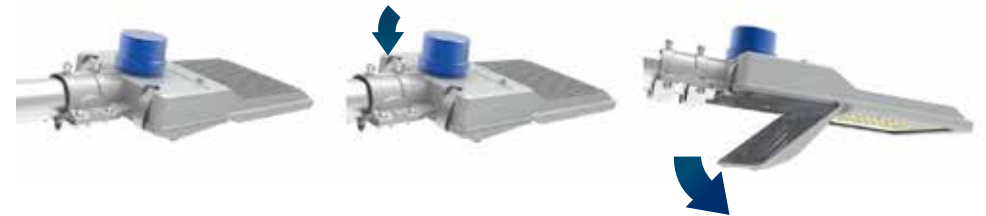


03 Al-Si-Cu Alloy Die Casting Housing

- Tensile strength reaches 288.3N/mm²
- Impact level up to IK08
- IEC 62262;2002
- Protection level of outer shell for external mechanical collision
- Stainless steel screws
- Structure allows air flow through heat sink for optimum heat management

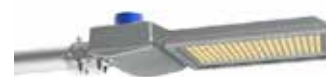
Clip-on design

Clip-on design, makes lamp easy to install, maintain and replace.



Installation

The adjustable bracket allows horizontal or vertical installation.



Horizontal Installation



Vertical Installation

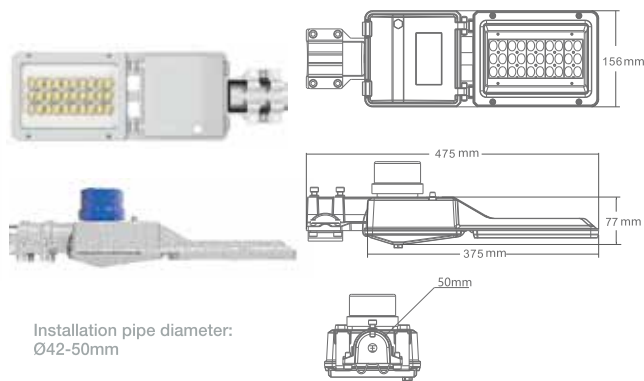
Model variants & Technical details

A complete and versatile range of lighting solutions for all road conditions.

S Model 23-60W

30 LED pieces

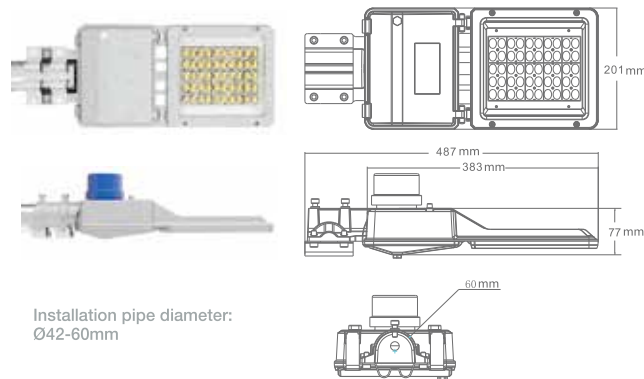
160Lm/W



M Model 40-80W

50 LED pieces

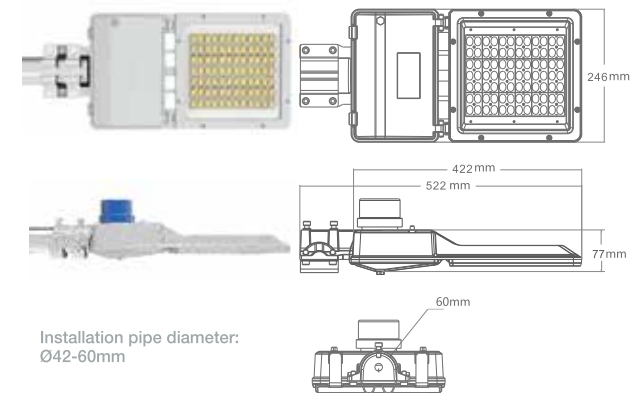
160Lm/W



L Model 80-160W

84 LED pieces

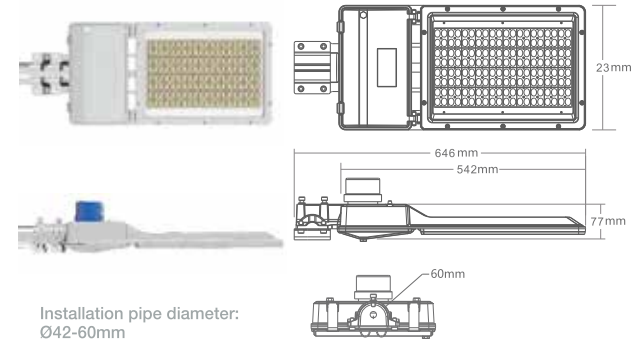
160Lm/W



J Model 210W

160 LED pieces

160Lm/W

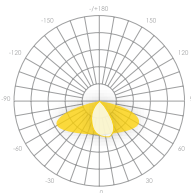


Light performance & Distribution

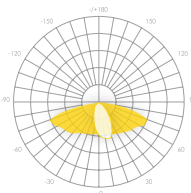
The Aquila LED street light solution offers reliable optical performance and durability for efficient light coverage in the most demanding situations.

Light Distribution Diagram

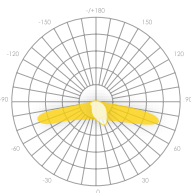
Type 1S



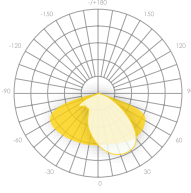
Type 1M



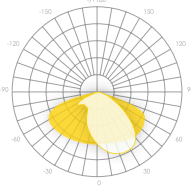
Type 1L



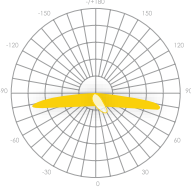
Type 2S



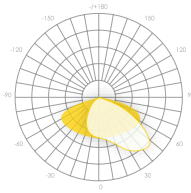
Type 2M



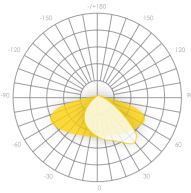
Type 2L



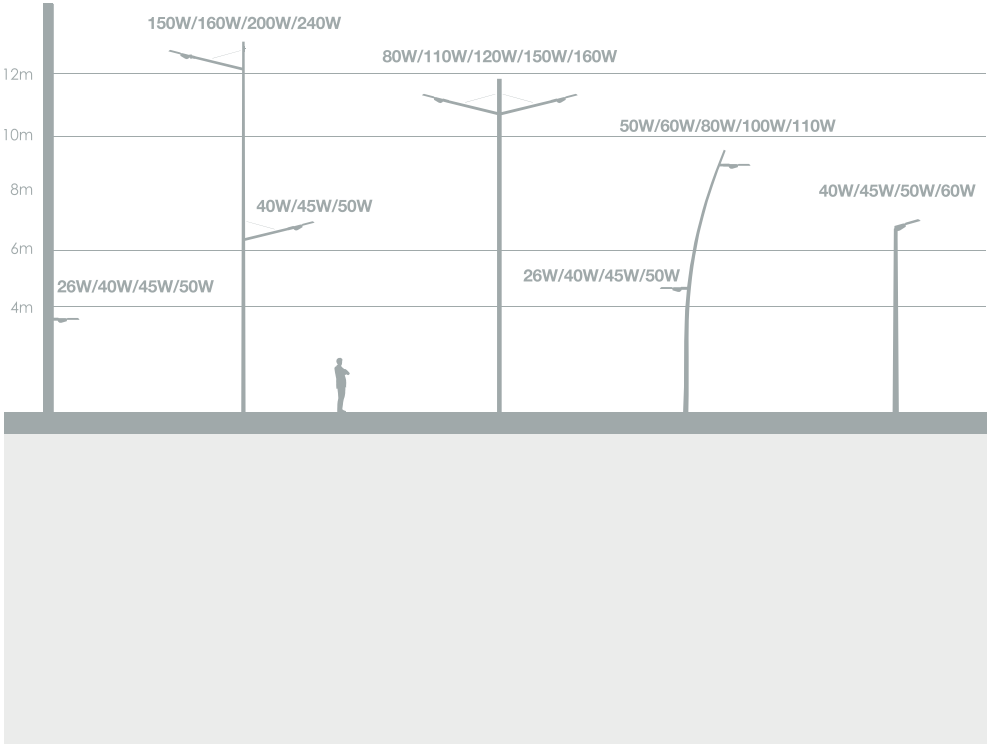
Type 3S



Type 3M



Pole Selection



Protection ratings & Specifications

Specifications - CLASS I

| Model | Power | LED Brand | LED pcs | Luminous Efficiency | Luminous flux | Input Voltage | Driver Brand Model No. | Main Body Material | Pole Diameter | Qty/ctn | G. W. | Product Dimensions |
|----------------|-------|-----------|---------|---------------------|---------------|---------------|------------------------|--------------------------|---------------|---------|-------|--------------------|
| Aquila 26W-S | 26W | Bridgelux | 30 | 160Lm/W | 4030Lm | 100-277V | MOSO LDP 040M048 | Die cast Aluminium/Glass | Ø42-50mm | 1pc | 2,5kg | 438x155x88mm |
| Aquila 40W-S | 40W | Bridgelux | 30 | 160Lm/W | 6200Lm | 100-277V | MOSO LDP 040M048 | Die cast Aluminium/Glass | Ø42-50mm | 1pc | 2,5kg | 438x155x88mm |
| Aquila 45W-S | 45W | Bridgelux | 30 | 160Lm/W | 6975Lm | 100-277V | MOSO LDP 040M048 | Die cast Aluminium/Glass | Ø42-50mm | 1pc | 2,5kg | 438x155x88mm |
| Aquila 50W-S | 50W | Bridgelux | 30 | 160Lm/W | 7750Lm | 100-277V | MOSO X60 75M062 | Die cast Aluminium/Glass | Ø42-50mm | 1pc | 2,5kg | 493x205x93mm |
| Aquila 60W-M | 80W | Bridgelux | 50 | 160Lm/W | 9300Lm | 100-277V | MOSO X60 75M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 3,5kg | 493x205x93mm |
| Aquila 80W-M | 100W | Bridgelux | 50 | 160Lm/W | 12400Lm | 100-277V | MOSO X6 105M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 3,5kg | 493x205x93mm |
| Aquila 100W-M | 100W | Bridgelux | 50 | 160Lm/W | 15500Lm | 100-277V | MOSO X6 105M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 3,5kg | 493x205x93mm |
| Aquila 110W-M | 110W | Bridgelux | 84 | 160Lm/W | 17050Lm | 100-277V | MOSO X6 150M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 3,5kg | 493x205x93mm |
| Aquila 120W-L | 120W | Bridgelux | 84 | 160Lm/W | 18600Lm | 100-277V | MOSO X6 150M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 4,3kg | 515x250x93mm |
| Aquila 150W-L | 150W | Bridgelux | 84 | 160Lm/W | 23250Lm | 100-277V | MOSO X6 150M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 4,3kg | 515x250x93mm |
| Aquila-160W-J | 160W | Bridgelux | 160 | 160Lm/W | 24800Lm | 100-277V | MOSO X6 150M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 5,5kg | 640x275x93mm |
| Aquila-200W-J | 200W | Bridgelux | 160 | 160Lm/W | 31000Lm | 100-277V | MOSO X6 200M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 5,5kg | 640x275x93mm |
| Aquila-240W-J* | 240W | Bridgelux | 160 | 160Lm/W | 37200Lm | 100-277V | MOSO LDP 240M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 5,5kg | 640x275x93mm |

Specifications - CLASS II

160Lm/W

| Model | Power | LED Brand | LED pcs | Luminous Efficiency | Luminous flux | Input Voltage | Driver Brand Model No. | Main Body Material | Pole Diameter | Qty/ctn | G. W. | Product Dimensions |
|---------------|-------|-----------|---------|---------------------|---------------|---------------|------------------------|--------------------------|---------------|---------|-------|--------------------|
| Aquila 26W-S | 26W | Bridgelux | 30 | 155Lm/W | 4030Lm | 100-277V | MOSO LDP 040M048 | Die cast Aluminium/Glass | Ø42-50mm | 1pc | 2,5kg | 438x155x88mm |
| Aquila 40W-S | 40W | Bridgelux | 30 | 155Lm/W | 6200Lm | 100-277V | MOSO LDP 040M048 | Die cast Aluminium/Glass | Ø42-50mm | 1pc | 2,5kg | 438x155x88mm |
| Aquila 45W-S | 45W | Bridgelux | 30 | 155Lm/W | 6975Lm | 100-277V | MOSO LDP 040M048 | Die cast Aluminium/Glass | Ø42-50mm | 1pc | 2,5kg | 438x155x88mm |
| Aquila 50W-S | 50W | Bridgelux | 30 | 155Lm/W | 7750Lm | 100-277V | MOSO X60 75M062 | Die cast Aluminium/Glass | Ø42-50mm | 1pc | 2,5kg | 493x205x93mm |
| Aquila-60W-M | 80W | Bridgelux | 50 | 155Lm/W | 9300Lm | 100-277V | MOSO X60 75M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 3,5kg | 493x205x93mm |
| Aquila 80W-M | 100W | Bridgelux | 50 | 155Lm/W | 12400Lm | 100-277V | MOSO X6 105M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 3,5kg | 493x205x93mm |
| Aquila 100W-M | 100W | Bridgelux | 50 | 155Lm/W | 15500Lm | 100-277V | MOSO X6 105M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 3,5kg | 493x205x93mm |
| Aquila 110W-M | 110W | Bridgelux | 84 | 155Lm/W | 17050Lm | 100-277V | MOSO X6 150M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 3,5kg | 493x205x93mm |
| Aquila 120W-L | 120W | Bridgelux | 84 | 155Lm/W | 18600Lm | 100-277V | MOSO X6 150M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 4,3kg | 515x250x93mm |
| Aquila 150W-L | 150W | Bridgelux | 84 | 155Lm/W | 23250Lm | 100-277V | MOSO X6 150M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 4,3kg | 515x250x93mm |
| Aquila-160W-J | 160W | Bridgelux | 160 | 155Lm/W | 24800Lm | 100-277V | MOSO X6 150M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 5,5kg | 640x275x93mm |
| Aquila-200W-J | 200W | Bridgelux | 160 | 155Lm/W | 31000Lm | 100-277V | MOSO X6 200M062 | Die cast Aluminium/Glass | Ø42-60mm | 1pc | 5,5kg | 640x275x93mm |

- Moso Driver Warranty 7yrs and 10yrs
- CRI80 available on request and price change

- Standard Pre-cabling 0.6m and longer available on request and subject to price change
- Standard colour RAL7040 and other RAL available on request and subject to price change

SYMBOLS KEY



Non-Dimmable Product



0-10V Dimmable Product



1-10V Dimmable Product



DALI Dimmable Product



TRIAC Dimmable Product



Certification mark that indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area (EEA)



The UL Mark is the single most accepted Certification Mark in the United States. If a product carries one of these marks, it means UL found that representative product samples met UL's requirements



ENEC (European Norms Electrical Certification) is a certification scheme under CENELEC, accepted throughout Europe. The ENEC Mark for electrical products demonstrates compliance with European safety standards.



CB Scheme is an international system for mutual acceptance of test reports and certificates dealing with the safety of electrical and electronic components, equipment and products.



TÜV certification marks show that manufacturer's products have met applicable safety requirements and quality standards.



The UL Mark is the single most accepted Certification Mark in the United States. If a product carries one of these marks, it means UL found that representative product samples met UL's requirements.



The cULus is a combination mark that indicates compliance with both the U.S. requirements and those of CAN/CSA 22.1-12, which is the Canadian Electrical Code issued by the Canadian Standards Association.



INMETRO, the Brazilian accreditation body, is responsible for the accreditation of each product Certification Body (CB). In addition, INMETRO defines the products and the respective requirements within this certification scheme. Products manufactured in or exported to Brazil need a CB-issued certificate, stating that the product or family meets the Brazilian requirements.



The DesignLights Consortium® is a collaboration of utility companies and regional energy efficiency organizations. The certification is issued for commercial LED lights based on their color rendering capabilities, light distribution and output, lumen maintenance, longevity or the ability to withstand stress, and the duration of the warranty period.



The FCC Declaration of Conformity or the FCC mark is a certification mark employed on electronic products manufactured or sold in the United States which certifies that the electromagnetic interference from the device is under limits approved by the Federal Communications Commission.



The C-Tick mark is intended for use on products that comply with EMC standards. The label indicates that the product complies with the applicable EMC standard and establishes a traceable link between a product and the supplier responsible for placing it on the Australian or New Zealand market.

INGRESS PROTECTION RATING

Rating Example

| | | |
|--------------------|----------------|-----------------|
| IP | 6 | 5 |
| Ingress protection | Against Solids | Against Liquids |

The first number identifies the ingress protection rating against solids

1. for solid bodies with dimensions > 50mm
2. for solid bodies with dimensions > 12.5mm
3. for solid bodies with dimensions > 2.5mm
4. for solid bodies with dimensions > 1mm
5. Dust protected
6. Dust tight

The second number identifies the ingress protection rating against liquids

1. for vertically falling drops
2. for vertically falling drops when enclosure is tilted up to 15° vertically
3. for water sprayed at an angle up to 60° vertically
4. for water splashed in any direction
5. for water projected in jets against the enclosure from any direction
6. for water projected in powerful jets against the enclosure from any direction
7. for enclosure's temporary immersion at 1 meter in the water, under defined conditions
8. for enclosure's continuous immersion in the water, under more severe conditions to those of number 7.

IMPACT PROTECTION RATING

Rating Example

| | |
|-------------------|-------------------------|
| IK | 05 |
| Impact protection | Mechanical Impact level |

The number identifies the impact protection rating

00. No protection
- 01-05. for tiny impact of < 1 Joule
06. for impact of 1 Joule
07. for impact of 2 Joule
08. for impact of 5 Joule
09. for impact of 10 Joule
10. for impact of 20 Joule

Mira Park Series



Advantages

Multiple mounting options: Cable suspended, side entry and post top installation.

Smooth surface housing with UV stabilized polyester powder paint finish for durability and corrosion resistance.

Weather-tight design and 3G Vibration rating ensure durability even in harsh environments.

High intensity die-cast aluminum body with impact grade that reaches IK08

Expertly engineered individual lenses made of optical grade polycarbonate for maximum light intensity, with tempered glass cover to protect the optics.

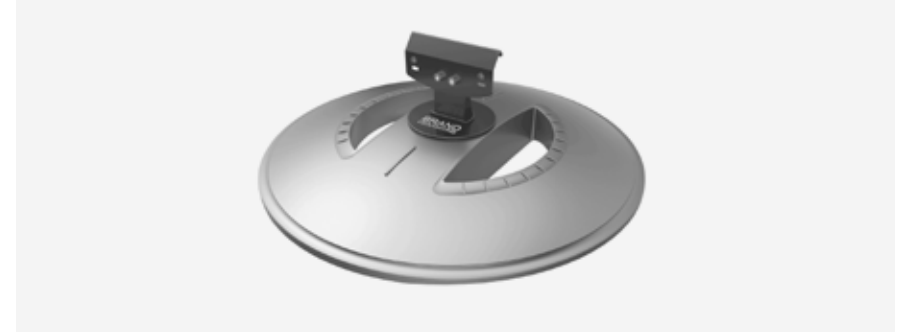
Delivers improved visual comfort by lower glare and providing a wider, smoother and more uniform light.

Color Options



Silver Grey

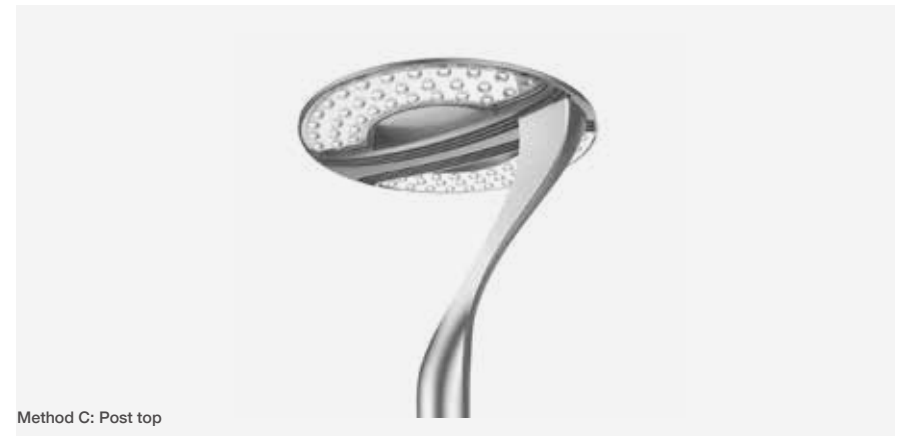
Mounting options



Method A: Cable suspended



Method B: Side entry

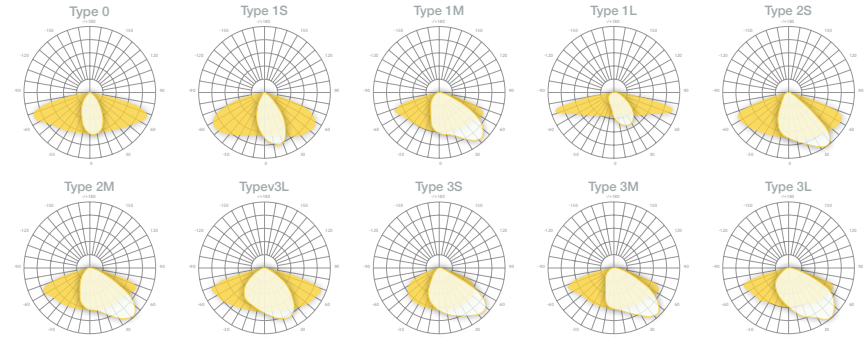


Method C: Post top

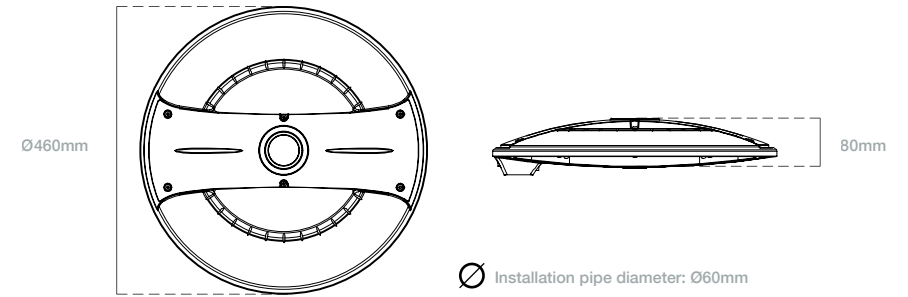
Mira Park Series



Light Distribution Diagram



Dimensions



Specifications

| | |
|-----------------------|--|
| Driver Brand | Meanwell ELG/Philips Xi |
| LED Chip | Philips Lumileds |
| Operating Temperature | -40°C ~ +50°C |
| Smart Control Options | 1-10V/PWM/Timer Dimming, 3 Timer Modes, Photocell, Sensors |
| Material | Die-cast aluminum & Tempered glass |
| Color | Silver Grey |
| Installation Options | Suspended, Pole mounted |
| IES Files | Available |

Features & Certificates



Product Parameter

| Item No. | Power | Voltage | PF | CCT | CRI | Beam Angle | Lm/W |
|----------|-------|------------|-------|-----------------------------|-----|------------|---------|
| 843681 | 25W | AC100-277V | >0.95 | 3000K/4000K/ 5000K/6500K | >80 | 145° | 125Lm/W |
| 843684 | 50W | | | | | | |
| 843687 | 75W | | | | | | |
| 843690 | 120W | | | | | | |

Available Accessories

- 10KV or 20KV Surge Protection Device
- 7-pin NEMA receptacle

Extra Features

- Non-flickering Driver

Traditional Park Lights



Advantages

Top LED light source

The best heat conductivity

Convenient installation to replace HPS directly

The respiratory system, ensure the dust resistance

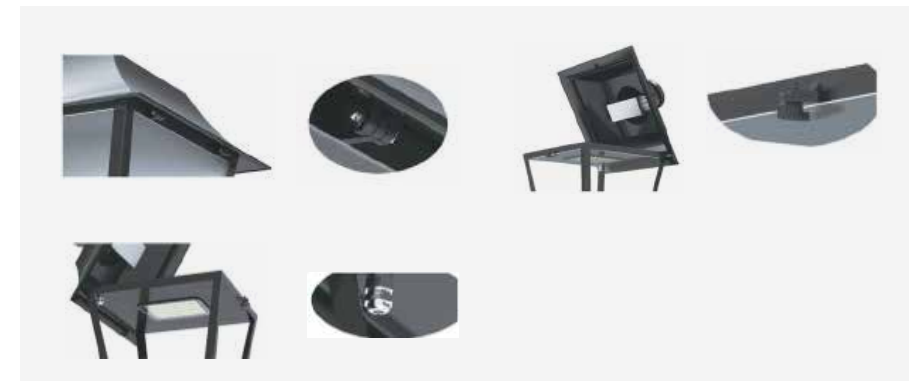
Water resistance and self cleaning ability

Aesthetic style

Controller



Details



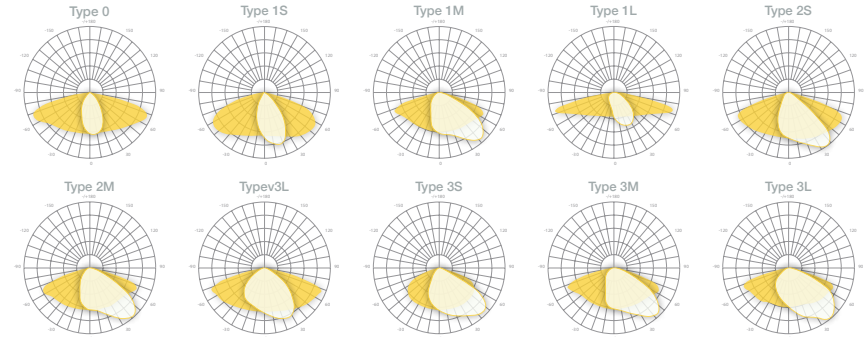
Installation Method



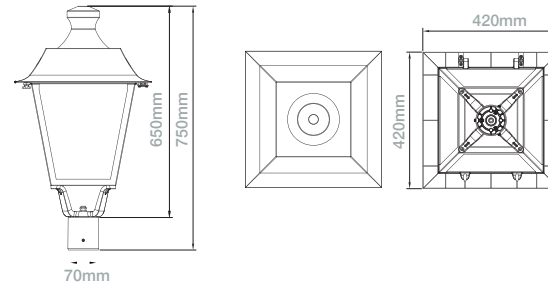
Traditional Park Lights



Light Distribution Diagram



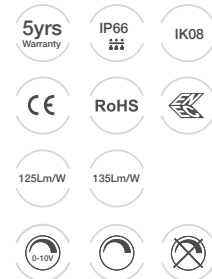
Dimensions



Specifications

| | |
|-----------------------|---------------|
| Driver Brand | Inventronics |
| LED Chip | Osram |
| Operating Temperature | -40°C ~ +50°C |
| Smart Control Options | / |
| Material | Aluminum & PC |
| Color | Metal |
| Installation Options | Pole mounted |
| IES Files | Available |

Features & Certificates



Available Accessories

- Suitable for post top or mast arm installation
- Installation pipe diameter: Ø76mm

Extra Features

- 10KV Surge Protection Device included
- Standard model is without glass. Frosted or Clear glass covers available

Product Parameter

| Item No. | Power | Voltage | PF | CCT | CRI | Beam Angle | Lm/W |
|----------|-------|------------|------|-----------------------------|-----|---------------------|---------|
| 847218 | 20W | AC120-277V | >0.9 | 30000K/4000K 5000K/6500K | >70 | Type 2S | 125Lm/W |
| 847222 | 30W | | | | | | |
| 847226 | 40W | | | | | | |
| 847230 | 50W | | | | | | |
| 847234 | 60W | | | | | | |
| 847238 | 70W | | | | | | |
| 847242 | 80W | | | | | | |
| 847219 | 20W | | | | | Type 2S/2M/3M/4S | 135Lm/W |
| 847223 | 30W | | | | | | |
| 847227 | 40W | | | | | | |
| 847231 | 50W | | | | | | |
| 847235 | 60W | | | | | | |
| 847239 | 70W | | | | | | |
| 847243 | 80W | | | | | | |

Pegasus Park Series



Advantages

Integrated Driver

Various light distribution options for symmetric or asymmetric lighting effect

Easily accessible driver compartment

Internal structure



LEDs arrangement

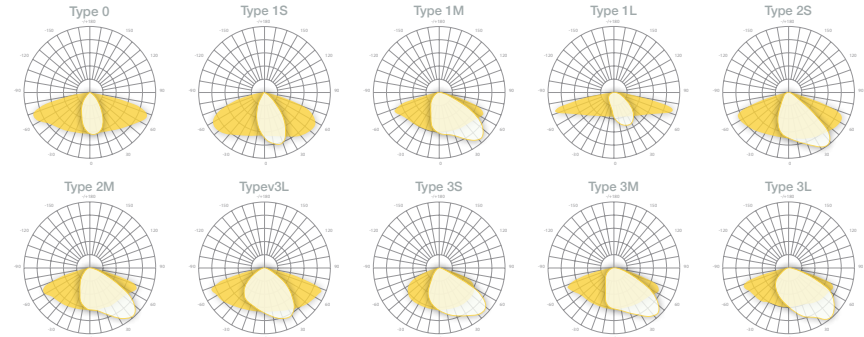


LEDs are placed on the upper part of the lamp

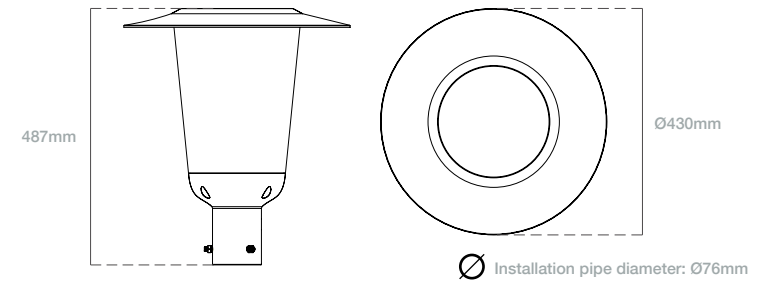
Pegasus Park Series



Light Distribution Diagram



Dimensions



Specifications

| | |
|-----------------------|--|
| Driver Brand | Inventronics/ Osram |
| LED Chip | Osram |
| Operating Temperature | -40°C ~ +45°C |
| Smart Control Options | 1-10V/DALI Dimming, Photocell, Timer dimming |
| Material | Aluminum & PC |
| Color | Black |
| Installation Options | Pole mounted |
| IES Files | Available |

Features & Certificates



Product Parameter

| Item No. | Power | Voltage | PF | CCT | CRI | Beam Angle | Lm/W |
|----------|-------|------------|-------|-----------------------------|-----|------------|---------|
| 844471 | 25W | AC120-240V | >0.95 | 3000K/4000K/ 5000K/5700K | >70 | 80°x155° | 130Lm/W |
| 844475 | 35W | | | | | | |
| 844479 | 45W | | | | | | |
| 844483 | 60W | | | | | | |

Available Accessories

- 7-pin NEMA receptacle
- 20kV Surge Protection Device

Extra Features

- 10kV Surge Protection Device included
- Non-flickering Driver

Aurora Park Series



Advantages

Multiple mounting options: Cable suspended, mast/column arm entry and post top installation.

High intensity die-cast aluminum body with impact grade that reaches IK08

Easily accessible driver compartment

Various light distribution options for symmetric or asymmetric lighting effect

Tempered glass cover

Easy driver maintenance



LEDs arrangement



LEDs are placed on the upper part of the lamp

Mounting options



Method A: Post top



Method B: Mast/Column arm

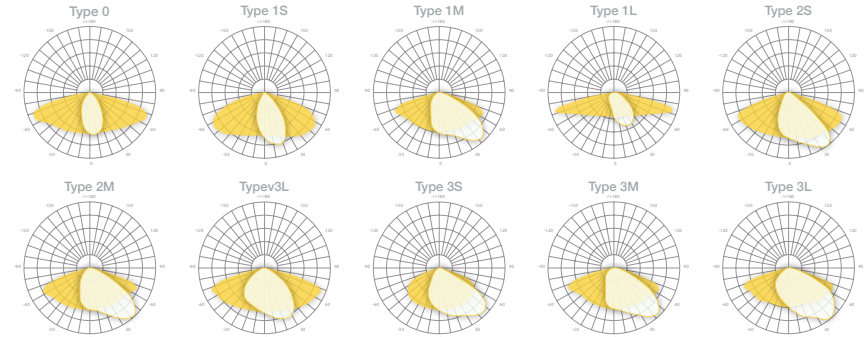


Method C: Cable suspended

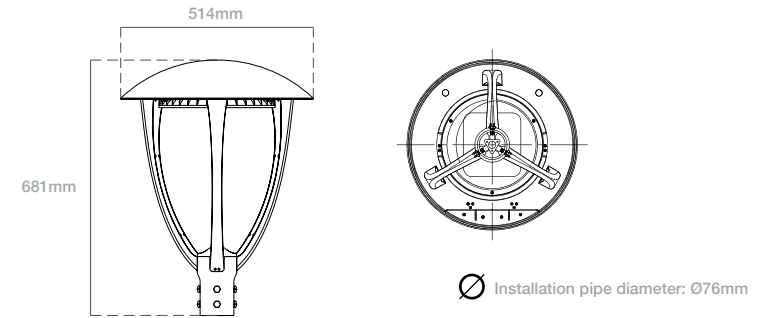
Aurora Park Series



Light Distribution Diagram



Dimensions



Specifications

| | |
|-----------------------|---|
| Driver Brand | Philips |
| LED Chip | Samsung |
| Operating Temperature | -40°C ~ +45°C |
| Smart Control Options | 1-10V Dimming, Photocell, Timer dimming |
| Material | Aluminum & Temp. Glass |
| Color | Black |
| Installation Options | Suspended, Pole mounted |
| IES Files | Available |

Features & Certificates



Available Accessories

- 7-pin NEMA receptacle
- 20kV Surge Protection Device

Extra Features

- 10kV Surge Protection Device included
- Non-flickering Driver

Product Parameter

| Item No. | Power | Voltage | PF | CCT | CRI | Beam Angle | Lm/W |
|----------|-------|------------|-------|-----------------------------|-----|------------|---------|
| 844495 | 35W | AC120-240V | >0.95 | 3000K/4000K/ 5000K/6500K | >70 | 155°x80° | 120Lm/W |
| 844499 | 45W | | | | | | |
| 844503 | 65W | | | | | | |
| 844507 | 80W | | | | | | |

Venus Park Series



Available Accessories

Elegant design available in two colours.

Smooth polyester powder coated housing and UV-resistant PC diffuser.

High intensity die-cast aluminum body with impact grade that reaches IK10. Golden

Designed to light parks, squares and pedestrian areas it incorporates direct & indirect lighting photometry.

Extra Features



LEDs arrangement



LEDs are placed on the upper part of the lamp

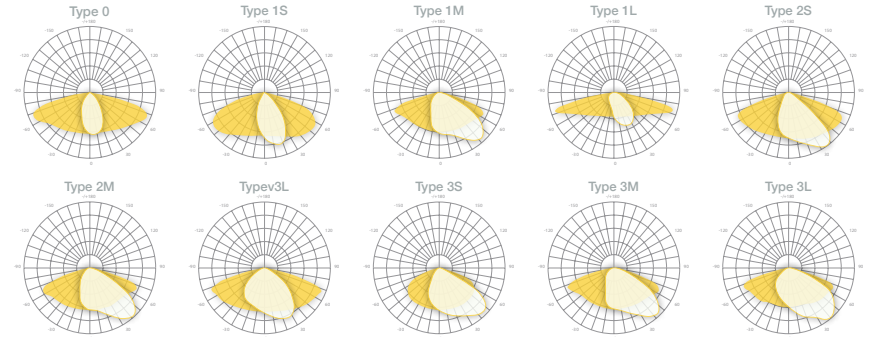
Color options



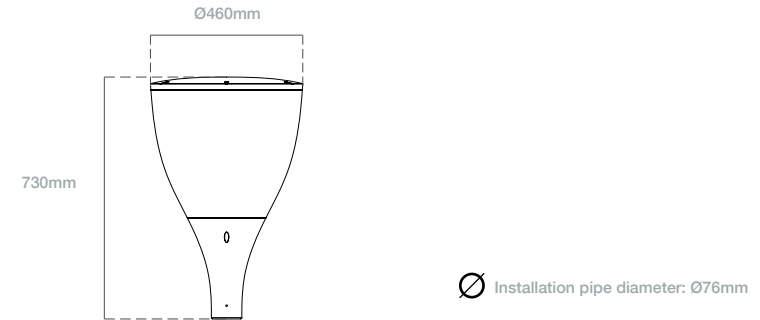
Venus Park Series



Light Distribution Diagram



Dimensions



Specifications

| | |
|-----------------------|---------------------------------|
| Driver Brand | Inventronics/ Philips/ Osram |
| LED Chip | Cree |
| Operating Temperature | -30°C ~ +50°C |
| Smart Control Options | 1-10V/DALI Dimming |
| Material | Aluminum & PC |
| Color | White/ Golden |
| Installation Options | Pole mounted |
| IES Files | Available |

Features & Certificates



Product Parameter

| Item No. | Power | Voltage | PF | CCT | CRI | Beam Angle | Lm/W |
|----------|-------|------------|-------|-----------------------|-----|------------------------|---------|
| 843934 | 20W | AC120-277V | >0.95 | 3000K/4000K/ 5000K | >70 | 135°x45°/ 135°x135° | 100Lm/W |
| 843938 | 38W | AC200-240V | | | | | |
| 843944 | 55W | | | | | | |
| 843950 | 73W | | | | | | |

Halo Park Series



Available Accessories

Elegant design, ideal solution for parks, public squares, playgrounds and pathways.

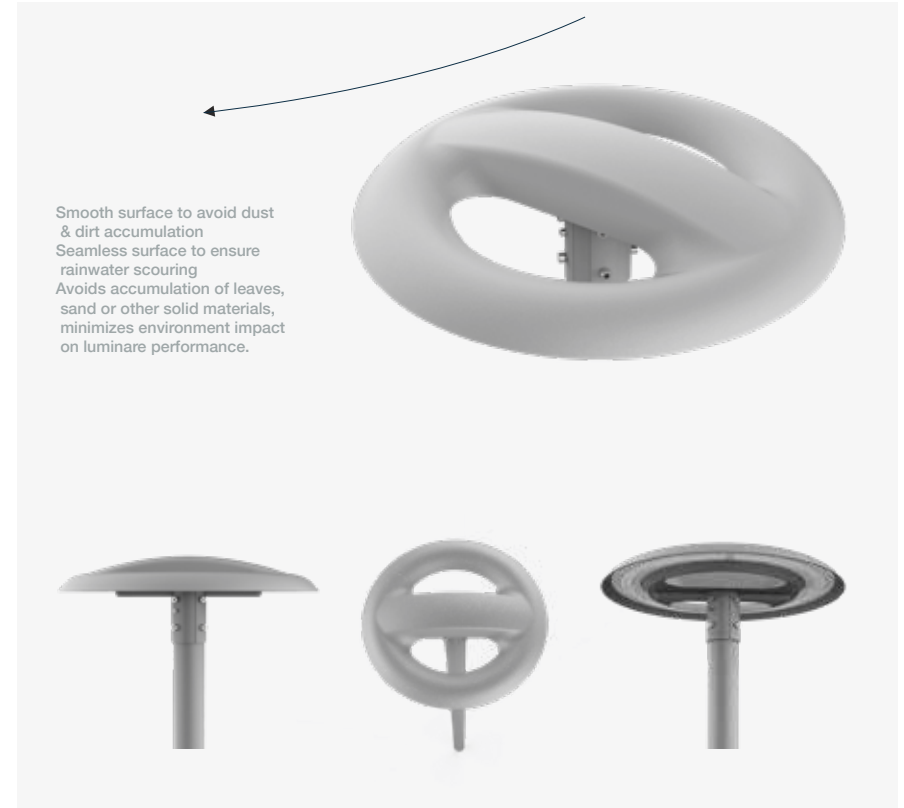
Smooth surface housing with UV stabilized polyester powder paint finish for durability and corrosion resistance.

Super High Efficiency of 160LM/W in all wattage options.

High intensity die-cast aluminum housing with anti-corrosion treatment

High efficiency coatings. Paint and metal parts successfully passed the salt spray test.

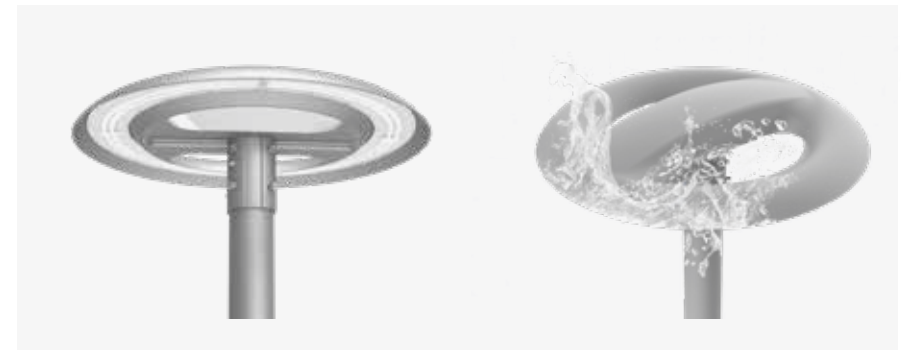
Smooth Surface



Smooth surface to avoid dust & dirt accumulation
Seamless surface to ensure rainwater scouring
Avoids accumulation of leaves, sand or other solid materials, minimizes environment impact on luminaire performance.

LEDs arrangement

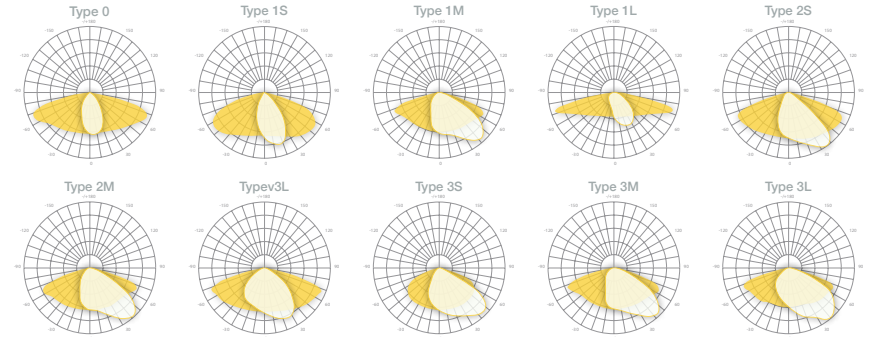
Water resistance



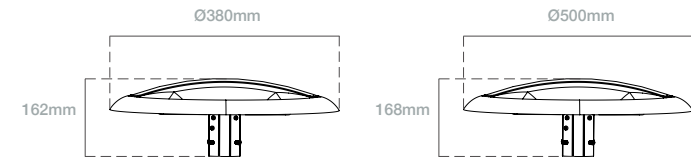
Halo Park Series



Light Distribution Diagram



Dimensions



50W/80W/100W/150W

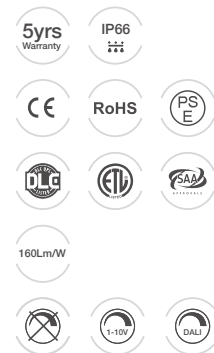
200W/240W

∅ Installation pipe diameter:
<Ø60mm

Specifications

| | |
|-----------------------|--------------------|
| Driver Brand | Meanwell |
| LED Chip | Philips Lumileds |
| Operating Temperature | -40°C ~ +60°C |
| Smart Control Options | 1-10V/DALI Dimming |
| Material | Aluminum |
| Color | Grey |
| Installation Options | Pole mounted |
| IES Files | Available |

Features & Certificates

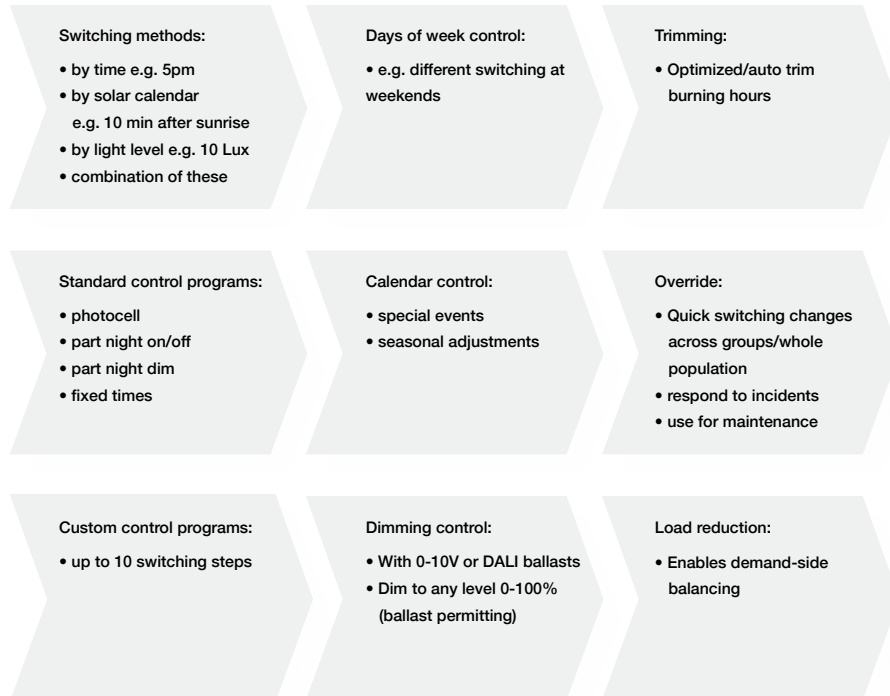


Product Parameter

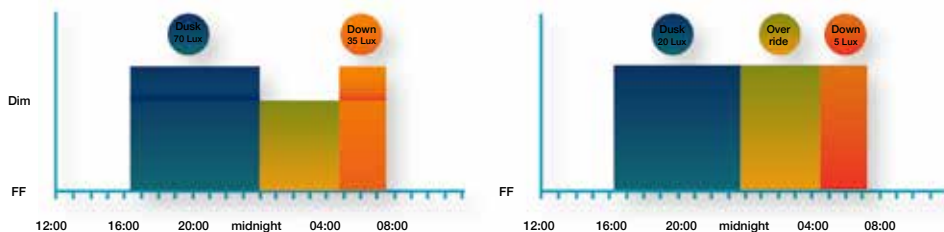
| Item No. | Power | Voltage | PF | CCT | CRI | Beam Angle | Lm/W |
|----------|-------|------------|-------|-----------------------|-----|--------------|---------|
| 845471 | 50W | AC180-277V | >0.95 | 2700K/4000K/ 6500K | >80 | 60°/90°/120° | 160Lm/W |
| 845474 | 80W | | | | | | |
| 845477 | 100W | | | | | | |
| 845480 | 150W | | | | | | |
| 845483 | 200W | | | | | | |
| 845486 | 240W | | | | | | |

Street light control

Switching and dimming control is extremely flexible in the PLANet system. Lights are grouped according to their switching program. There is no limit on the number of groups and programs can be configured with a range of options.



Examples:



Street light monitoring and fault detection

Each TELECELL unit can measure an extensive range of parameters. Readings can be returned using programmed monitoring or ad hoc interrogation.

Measurable parameters include:

Lamp condition:

- Failure Cycling
- Day burning

Times:

- Switching cycles
- Burn hours
- BSCP event log

Electrical:

- Instant power
- instant current
- Instant power factor
- Average power
- Average current
- Average power factor

Mains supply:

- Instant voltage
- Average voltage
- Low voltage
- Power cycles

TELECELL unit:

- Temperature
- Missing data (from loss of supply or communication)

Energy:

- Active energy
- Cumulative energy

Some of the measurable parameters can be used to generate faults or warnings. These are reported and summarized on a daily basis. On some parameters, thresholds can be set which, when triggered, can cause immediate alarms.

Energy reporting

The first requirement in managing energy consumption is to be able to measure it accurately. Each TELECELL unit contains a metering chip so cumulative active energy is measured precisely for every fixture. This allows true energy consumption to be shown for any filtered set of lights for any calendar period.

Street light maintenance

With comprehensive monitoring capabilities, the PLANet system is an effective tool for improving and streamlining maintenance operations, resulting in a better lighting service for the public. The system contributes significantly to delivering an enhanced service by:

Reducing night maintenance inspections:

- Avoids patrolling in dangerous areas
- Inspections can be less frequent and carried out in the day time

Bulk lamp change policies:

- prompt lamp failure detection means bulk change period can be extended, while maintaining overall outages levels within targets

Fault diagnosis:

- Lamps: failure, cycling, day burning
- Ballasts: power factor
- Mains supply: power cuts, over voltage
- Lost connection: internal wiring, column down

Improving inventory:

- Monitoring reveals potential discrepancies in inventory

Extending range of information available:

- Mains supply profile
- Maintenance operatives' performance

Reducing repair times:

- Avoids time wasted between night inspections
- Understanding lamp failures enables repair to be scheduled more quickly

Integration with asset management systems

The PLANet system can be interfaced to asset management systems allowing the import and export of asset data and fault reporting and generate work orders from those systems. The interfaces range from simple CSV based file transfer to XML based web service interfaces to popular systems such as Mayrise and Pitney Bowes "Confirm".

Warranty Policy

Warranty for IINNO-Branded Professional LED Luminaires

This document sets out the warranty policy of IINNO from which you purchase your professional luminaires.

Terms and Condition

1. This warranty is only applicable to IINNO branded lighting products sold by IINNO Limited (hereinafter referred to as 'Product').

2. The warranty is only applicable to the party purchasing the products directly from IINNO (Hereinafter referred to as 'Purchaser'). Third party products sold by IINNO are not covered under this warranty. With respect to products sold to the Purchaser by IINNO, but not bearing the IINNO name or sub-brands, IINNO makes no warranty of any kind, express or implied, including, without limitation, any warranty of merchantability or fitness for a particular purpose, but will make available to the Purchaser upon request, but only to the extent permitted by law and relevant contracts, the warranties of the manufacturer of the relevant product.

3. No agent, distributor or dealer is authorized to change, modify or extend the terms of the warranty on behalf of IINNO.

4. IINNO warrants that each Product will be free from defects in material and workmanship. The foregoing warranty shall be valid for the period mentioned in the applicable warranty clause for the Products referred to in IINNO's confirmation of your PI.

5. The warranty term starts from the production date printed on the products used in professional applications.

6. The warranty period is based on a burning behaviour of max. 4000 hours/year. In case of more than 4000 hours/year, the warranty period will be adjusted pro-rata.

7. This warranty only applies when the Product has been properly wired and installed and operated within the electrical values, operating range and environmental conditions provided in the specifications, application guidelines, IEC standards or any other document accompanying the Products.

Additionally, installation must be performed only by authorized personnel, who will establish that the above mentioned precautions will be taken under consideration.

8. This warranty does not apply to damage or failure to perform arising as a result of any Acts of God or from any abuse, existing local network (or Public grid) failure, misuse, abnormal use or use in violation of any applicable standard, code or instructions for use, including without limitation, those contained in the latest safety, industry and/or electrical standards for the relevant region(s).

9. IINNO reserves the right to the validity of a guarantee claim. For this purpose, the Purchaser must return, with sufficient postage, for analysis (enclosing a copy of the delivery note or the invoice).

10. Within the applicable warranty period and on examination IINNO determines to its satisfaction that such Product failed to satisfy this warranty, IINNO will, at its option, repair or replace the Product or the defective part thereof, or reimburse Purchaser the purchase price. For purposes of clarity, 'repair or replace the Product or the defective part thereof' does not include any removal or reinstallation activities, costs or expenses, including without limitation, labor costs or expenses.

11. If IINNO chooses to replace the Product and is not able to do so because it has been discontinued or is not available, IINNO may refund the purchaser or replace the product with a comparable product (that can show small deviations in design and product specification).

12. Warranty claims have to be reported and returned to IINNO office within 30 days after discovery, specifying at least the following information (additional information may be required on request):

Details of the failed Products; and for System warranties also details of other components used;
Installation date and invoice date;

Detailed problem description, number and % of failures date-code of failure;
Application, hours burned and number of switching cycles.

13. Where a warranty claim is justified, IINNO will pay for freight expenses. IINNO may charge Customer for returned Products that are not found to be defective or non-conforming together with the freight, testing and handling costs associated therewith.

14. The warranty and remedies contained in this warranty are the only warranties given by IINNO with respect to the Products and are given in lieu of all other warranties, whether express or implied, including without limitation warranties of merchantability or fitness for a particular purpose, which warranties are hereby disclaimed.

15. These terms and conditions state IINNO's entire liability and obligation to Purchaser and Purchaser's sole and exclusive remedy in connection with defective or non-conforming Products supplied by IINNO to Customer, whether or not such damages are based on any warranty not explicitly mentioned in these terms and conditions, tort, contract or any other legal theory, even if IINNO has been advised or is aware of such defects.

16. This is a limited warranty and excludes, among other items, installation, providing access to products (scaffolding, lifts, etc.), and special, incidental and consequential damages (such as loss of revenue/profits, damage to property or other miscellaneous costs not previously mentioned), and is further defined by the limitations and conditions set forth in the respective warranty policy and these terms and conditions.

17. Upon request, IINNO'S representatives shall be allowed access to the defective Product, system or application for verification of non-compliance.

18. IINNO cannot be held liable for electrical supply conditions, including supply spikes, over-voltage/under-voltage and Ripple Current control systems that are beyond the specified limits of the products and those defined by relevant supply standards (e.g. EN 50160 norms).

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