



IPLA *PARKING LOT LIGHT*
75W-230W

100+ Patent Certificates
\$1,000,000+ Annual Energy Saving
10,000+ Projects Successfully Installed



OVER **10** YEARS 
EXPERIENCE
www.aokledlight.com

> Features of PLA Series

PLA series is an economical energy-saving and flexible application scenarios area light with high-cost performance. It is designed for commercial and industrial applications, providing cooler operating temperatures, brighter light and longer LED span.

- CCT & power adjustable (75W/100W/150W).
- Light engine is thermally isolated from driver components for better heat dissipation, industrial-level design standard.
- Micro-lens systems produce IESNA Type III, Type IV and Type V distributions, full cutoff type, no uplight pollution.
- Luminaries produces 0% total lumens above 90°(BUG Rating, U=0), provides uniform light output with a lower glare.
- Optical systems maintain an IP66 rating.
- The top spot of the fixture is reserved for the sensor in the case of future installation.



Note: Normal Voltage=100-277VAC, High Voltage=277-480VAC, please evaluate before choosing. For the power supply in the United States and Canada, in case the input voltage fluctuation $\geq 240V$ the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.



For other certificates please request



Change at the flip of a switch







- REDUCE SKUS
- INCREASE TURNS
- DRIVE PROFITABILITY

With the simple push of a button, adjustable CCT LEDs are able to change between different temperatures of white light. This feature allows one fixture to have multiple white tones, ranging from warm, to daylight, to cool. Instead of ordering multiple lights with different color temperatures, order one adjustable CCT product that carries multiple options within itself. Install the fixture, and change the color temperature until it's right. This versatility enables contractors to lower their SKUs, while still offering variety and adapting to client needs. It gives business owners and designers the ability to independently change tones to create a certain atmosphere and easily coordinate fixtures.




> Photometric Design

- Optimized, premium optical grade Mitsubishi polycarbonate lens, the efficient design of the modules make each light engine highly customizable, allowing the light distribution to be aimed toward the application.
- Optical systems allow for versatility, tight cutoffs, and flexible control for a wide variety of applications.
- We deliver innovation and customization, further expanding the flexibility of the project. Exceptional uniformity and low glare for maximum comfort and neighbor-friendly.

Distribution Type

| | | |
|---|---|--|
| <p>T301 (70W-150W)</p>  <p>Asymmetric, Type III can be used in wide road parking areas, or at corner areas.</p> | <p>T302 (70W-150W)</p>  <p>Asymmetric, Type III can be used in wide road parking areas, or at corner areas.</p> | <p>T402 (70W-150W)</p>  <p>Asymmetric, Type IV can be used in wide road parking areas, or at corner areas.</p> |
| <p>T501 (70W-150W)</p>  <p>Symmetrical, T5 is suitable for use in the central area of the car park, or in road intersection areas</p> | <p>T502 (70W-150W)</p>  <p>Symmetrical, T5 is suitable for use in the central area of the car park, or in road intersection areas</p> | <p>T301 (200W-230W)</p>  <p>Asymmetric, Type III can be used in wide road parking areas, or at corner areas.</p> |





- The photometric engine takes advantage of the latest generation of mid/high-power LEDs and dedicated optics for professional applications.
- With 3030 or 5050 LED chips, it provides an alternative solution for those who are looking for very cost-effective yet efficient lighting while keeping the same luminaire design.

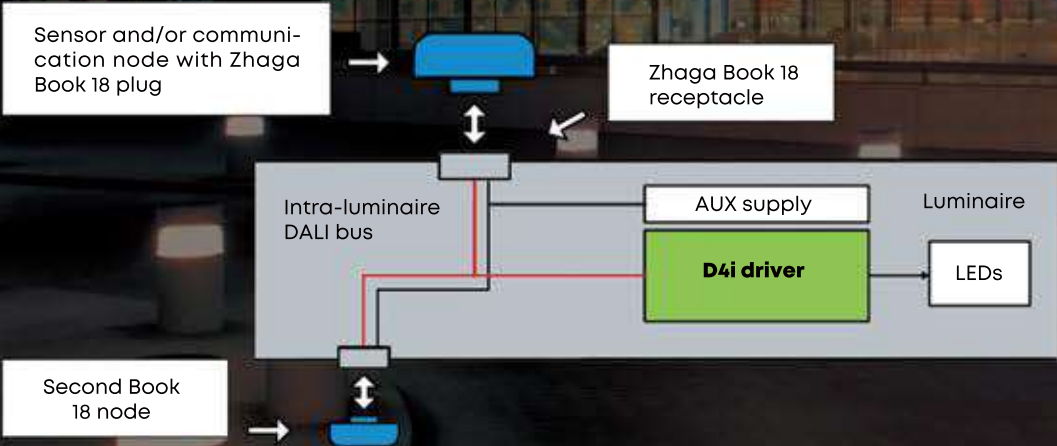
> Flexible Installation

- Up to 7 installation methods (brackets) can be suitable for different installation scenarios, quickly adapt to the needs of the project. Convenient and **Flexible**.



A sensor mounting hole is reserved on the top to facilitate future installation.

Outdoor luminaire with Zhaga receptacles (optional)

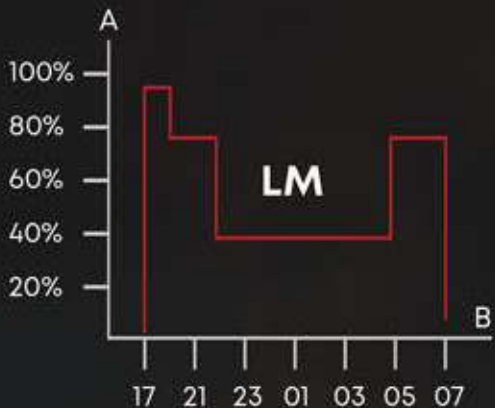


> Control Systems

Custom Dimming Profile

Intelligent luminaire drivers can be programmed with complex dimming profiles. With customized combinations of time intervals and light levels are possible. This feature does not require any extra wiring.

The period between switching on and switching off is used to activate the preset dimming profile. The customised dimming system generates maximum energy savings while respecting the required lighting levels and uniformity throughout the night.



Daylight Sensor / Photocell

Photocell or daylight sensors switch the luminaire on as soon as natural light falls to a certain level. It can be programmed to switch on during a storm, on a cloudy day (in critical areas) or only at nightfall so as to provide safety and comfort in public spaces.



Motion Detection

In places with little nocturnal activity, lighting can be dimmed to a minimum most of the time. By using passive infrared (PIR) or Microwave sensors, the level of light can be raised as soon as a pedestrian or a slow vehicle is detected in the area.

Each luminaire level can be configured individually with several parameters such as minimum and maximum light output, delay period and ON/OFF duration time. Motion sensors can be used in an autonomous or interoperable network.



> Application Reference

- Urban & residential streets
- Bridges
- Bike & pedestrian paths
- Railway stations & metros
- Car parks
- Squares & pedestrian areas
- Roads & motorways



*Due to the constant improvements in product development, individual parameters might change. Please refer to our sales or R&D team for most up-to-date content as specifications are subject to change without notice.

Parameter Table

| Electrical Data | | | | | |
|---|---|---|-------------|--|-------------|
| Model | AOK-75WPLA | AOK-100WPLA | AOK-150WPLA | AOK-200WPLA | AOK-230WPLA |
| Power(w) | 75W | 100W | 150W | 200W | 230W |
| | Power adjustable: 75W/115W/150W | | | | |
| Input voltage | Normal Voltage=100-277VAC, High Voltage=277-480VAC, please read *Note-1 before choosing. | | | | |
| THD | <10.5% | | | | |
| PF | > 0.95 | > 0.95 | > 0.95 | > 0.95 | > 0.95 |
| Driver Efficiency | 90% | 91% | 92% | 92% | 93% |
| Maximum Current | AC0.85A | AC1.13A | AC1.7A | AC2.26A | AC2.6A |
| Control option | Driver includes wiring for 0-10V dimming systems. Dim as low as 10%. | | | | |
| Operating temperature | -40°C to 50°C (-40 °F to 122 °F) | | | | |
| Surge Protection | 10kV / 20kV optional | | | | |
| Photometric Data | | | | | |
| Efficacy (lm/w, Std Dev ±3%)@CRI 70Ra, 5000K-2835-T301 | 150lm/W | 150lm/W | 145lm/W | 150lm/W | 145lm/W |
| Luminous flux(lm, Std Dev ±3%) @CRI 70Ra, 5000K-2835-T301 | 11250lm | 15000lm | 21750lm | 30000lm | 33350lm |
| CCT | 2700K, 3000K, 4000K, 5000K, 5700K, 6500K | | | | |
| CRI | Ra70,Ra80,Ra90 | | | | |
| LED model | 2835 ,3030, 5050 | | | 2835 ,3030 | |
| Lens | Polycarbonate | | | | |
| Beam angle | Type III/ Type V(2835, 3030) / Type III / Type IV/Type V (5050) | | | Type III | |
| Mechanical Data | | | | | |
| IP/IK rating | IP66/IK09, according to standard EN 60529 and EN 62262 | | | | |
| Vibration resistance | 3G, conform to standard IEC 68-2-6 | | | | |
| EPA(SCx), fixture body | Side: 1.86ft²(0.1728m²); Top: 11.90ft²(1.1055m²) | | | Side: 2.31ft²(0.2144m²); Top: 16.97ft²(1.5764m²) | |
| Housing | Heavy-duty die-cast aluminum (EN AC-46100) | | | | |
| Heat radiator | Aluminum alloy | | | | |
| Surface treatment | Anti-UV thermosetting polyester / Anti-UV thermosetting polyester (for extremely corrosive environments). | | | | |
| Painting | Black, Custom request | | | | |
| Cable | Pre-wired with a 30 cm cable (Other lengths on request) | | | | |
| Mounting | Slipfitter, Adjustable Arm, Square/Round Pole, Trunnion, Yoke | | | | |
| Other Data | | | | | |
| Lifespan | L90B10 - 100000 hrs, @Tq 25°C | | | | |
| Warranty | 5 years limited warranty (Warranty extension up to 10 years on request) | | | | |
| Certification | UL,DLC5.1,FCC | | | | |
| Product Size | A-Slipfitter | 22.57*10.08*3.12 inches / L573.2*W256*H79.2mm | | 26.32*11.61*3.13 inches / L668.5*W295*H79.4mm | |
| | B-Adjustable Arm | 23.23*10.08*6.27 inches / L590*W256*H159.3mm | | 26.98*11.61*6.28inches / L685.3*W295*H159.5mm | |
| | C-Yoke Mount | 17.47*10.08*2.33 inches / L443.7*W256*H59.2mm | | 21.26*11.61*2.37 inches / L540*W295*H60.2mm | |
| | D-Slide Lock Mount | 21.62*10.08*6.4 inches / L549.3*W256*H162.5mm | | 25.38*11.61*6.41 inches / L644.6*W295*H162.7mm | |
| | E-Square Pole | 21.98*10.08*5.91 inches / L558.3*W256*H150mm | | 25.73*11.61*5.91 inches / L653.6*W295*H150mm | |
| | F-Round Pole | 22.86*10.08*5.91 inches / L580.7*W256*H150mm | | 26.62*11.61*5.91 inches / L676.1*W295*H150mm | |
| | G-Trunnion Mount | 22.33*10.08*2.76inches / L567.3*W256*H70mm | | 26.09*11.61*2.76 inches / L662.6*W295*H70mm | |
| Net Weight | A-Slipfitter | 4.41KG | 4.41KG | 4.54KG | 6.25KG |
| | B-Adjustable Arm | 5KG | 5KG | 5.12KG | 6.8KG |
| | C-Yoke Mount | 4.17KG | 4.17KG | 4.3KG | 6.08KG |
| | D-Slide Lock Mount | 4.57KG | 4.57KG | 4.7KG | 6.2KG |
| | E-Square Pole | 4.22KG | 4.22KG | 4.35KG | 6.08KG |
| | F-Round Pole | 4.77KG | 4.77KG | 4.9KG | 6.52KG |
| | G-Trunnion Mount | 4.73KG | 4.73KG | 4.86KG | 6.54KG |
| Carton Size | A-Slipfitter | 25.98*11*3.54inches/L660*W280*H90mm | | 30.5*12.6*3.54inches/L775*W320*H90mm | |
| | B-Adjustable Arm | 26.69*8.97*7.08inches/L678*W228*H180mm | | 30.5*12.6*6.88inches/L775*W320*H175mm | |
| | C-Yoke Mount | 21.49*11.65*3.54inches/L546*W296*H90mm | | 25.27*13.18*3.54inches/L642*W335*H90mm | |
| | D-Slide Lock Mount | 25.35*8.97*7.08inches/L644*W228*H180mm | | 29.1*12.6*6.88inches/L740*W320*H175mm | |
| | E-Square Pole | 26.18*10.8*7.08inches/L665*W280*H180mm | | 29.92*12.6*7.08inches/L760*W320*H180mm | |
| | F-Round Pole | 26.18*10.8*7.08inches/L665*W280*H180mm | | 29.92*12.6*7.08inches/L760*W320*H180mm | |
| | G-Trunnion Mount | 25.98*11.02*3.81inches/L660*W280*H97mm | | 29.9*12.6*3.93inches/L760*W320*H100mm | |
| Gross Weight | A-Slipfitter | 4.77KG | 4.77KG | 4.9KG | 6.62KG |
| | B-Adjustable Arm | 5.7KG | 5.7KG | 6.03KG | 7.8KG |
| | C-Yoke Mount | 4.54KG | 4.54KG | 4.67KG | 6.72KG |
| | D-Slide Lock Mount | 5.37KG | 5.37KG | 5.5KG | 7.2KG |
| | E-Square Pole | 5.22KG | 5.22KG | 5.35KG | 7.08KG |
| | F-Round Pole | 5.6KG | 5.6KG | 5.72KG | 7.4KG |
| | G-Trunnion Mount | 5.13KG | 5.13KG | 5.26KG | 6.94KG |

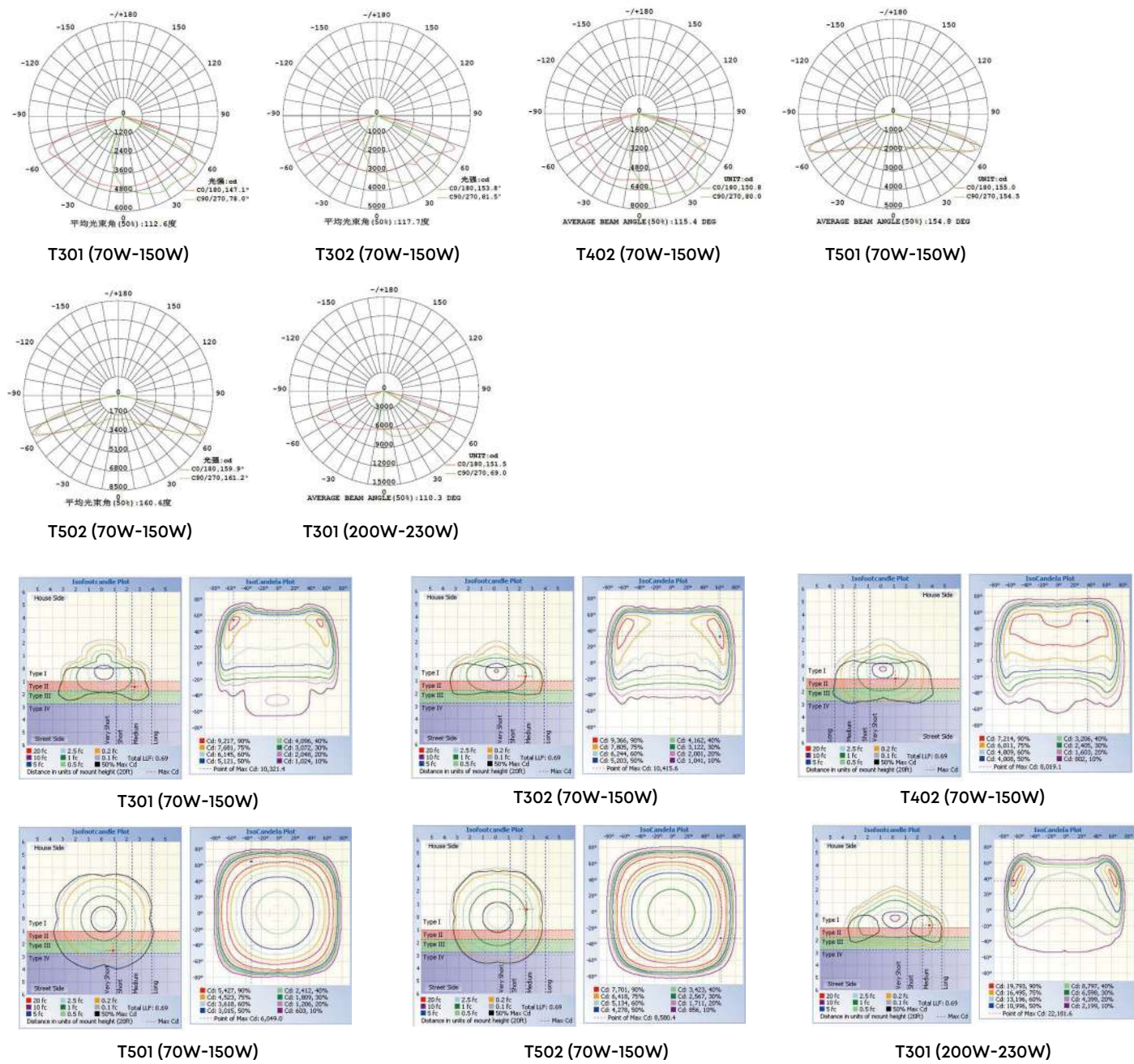
* Note-1: For the power supply in the United States and Canada, in case the input voltage fluctuation ≥240V the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.

Ordering Information

| AOK | | | | | | | | |
|---------|-------------|-----------|-------------------|-------------------------|--------------|-----------------|-----------|------------|
| WATTS | VOLTAGE | LED CHIPS | TYPE OF SENSOR | CCT&CRI | DISTRIBUTION | MOUNT | HOUSING | OPTIONS |
| 75WPLA | NV=100-277V | L2=2835 | 00=Without Sensor | *3457=3000K-5000K 70CRI | T3=Type III | A=Slipfitter | BK=Black | 10KV SPD |
| 100WPLA | HV=277-480V | L3=3030 | PH=Photocell | *3458=3000K-5000K 80CRI | T4=Type IV | B=Adjustable | BZ=Bronze | 20KV SPD |
| 150WPLA | | L5=5050 | DV=Dimmable | 2770=2700K 70CRI | T5=Type V | C=Yoke | WH=White | DIP Switch |
| 200WPLA | | | PIR=PIR sensor | 3070=3000K 70CRI | | D= Slide & Lock | SI=Silver | |
| 230WPLA | | | | 4070=4000K 70CRI | | E= Square Pole | RD=Red | |
| | | | | 5070=5000K 70CRI | | F= Round Pole | BL=Blue | |
| | | | | 5770=5700K 70CRI | | G= Trunnion | | |
| | | | | 6570=6500K 70CRI | | | | |
| | | | | 2780=2700K 80CRI | | | | |
| | | | | 3080=3000K 80CRI | | | | |
| | | | | 4080=4000K 80CRI | | | | |
| | | | | 5080=5000K 80CRI | | | | |
| | | | | 5780=5700K 80CRI | | | | |
| | | | | 6580=6500K 80CRI | | | | |

Note: *3457/3458 is for CCT adjustable solution; Please refer to the parameter table to order accordingly.

Photometry & Illuminance Diagram



PLA Series Specification Sheet

*Due to the constant improvements in product development, individual parameters might change. Please refer to our sales or R&D team for most up-to-date content as specifications are subject to change without notice.

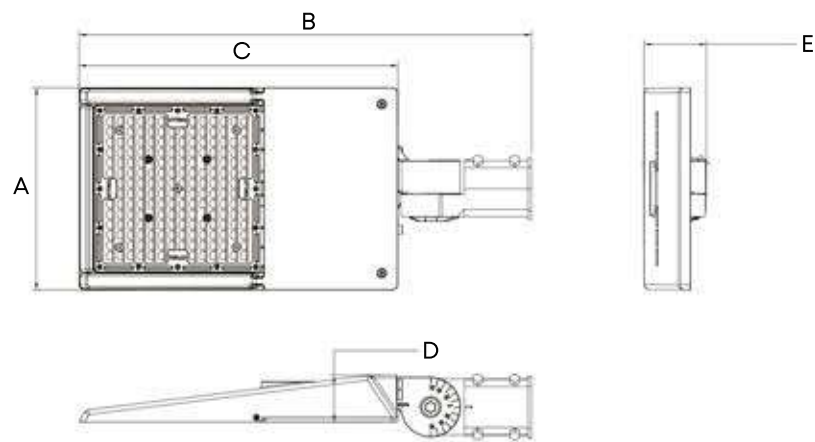
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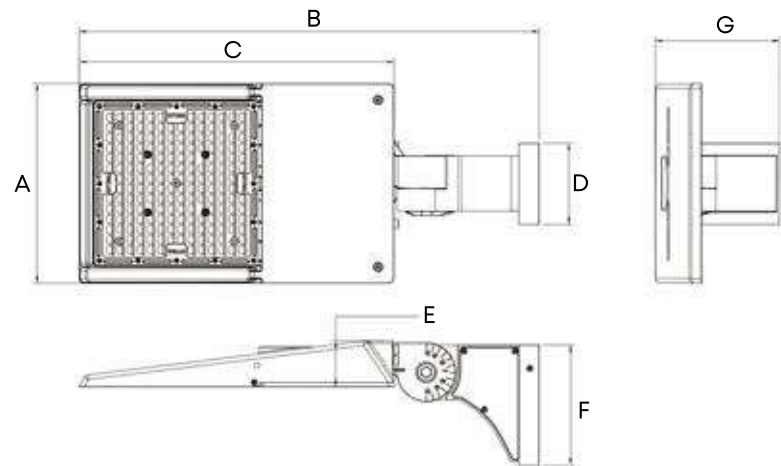
Dimensions

Type-A Slip Fitter



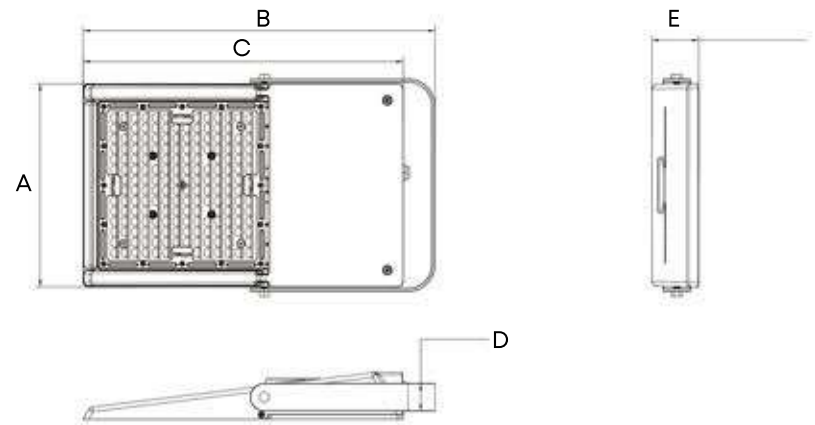
| | A | B | C |
|-----------|--------------------|--------------------|--------------------|
| 75W-150W | 255.96mm 10.08" | 573.16mm 22.57" | 403.6mm 15.89" |
| 200W-230W | 294.97mm 11.61" | 668.54mm 26.32" | 498.97mm 19.64" |
| | D | E | |
| 75W-150W | 59.21mm 2.33" | 79.19mm 3.12" | |
| 200W-230W | 60.16mm 2.37" | 79.39mm 3.13" | |

Type-B Adjustable Arm



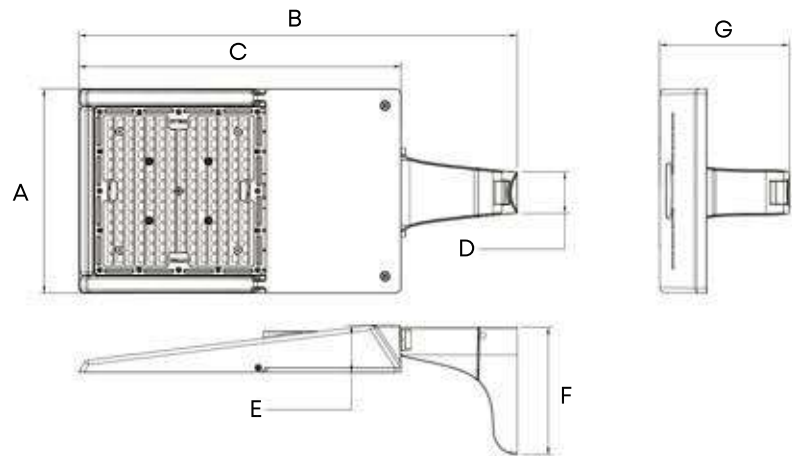
| | A | B | C | |
|-----------|--------------------|--------------------|--------------------|-------------------|
| 75W-150W | 255.96mm 10.08" | 589.99mm 23.23" | 403.6mm 15.89" | |
| 200W-230W | 294.97mm 11.61" | 685.34mm 26.98" | 498.97mm 19.64" | |
| | D | E | F | G |
| 75W-150W | 104mm 4.09" | 59.21mm 2.33" | 154mm 6.06" | 154mm 6.27" |
| 200W-230W | 104mm 4.09" | 60.16mm 2.37" | 154mm 6.06" | 159.45mm 6.28" |

Type-C Yoke



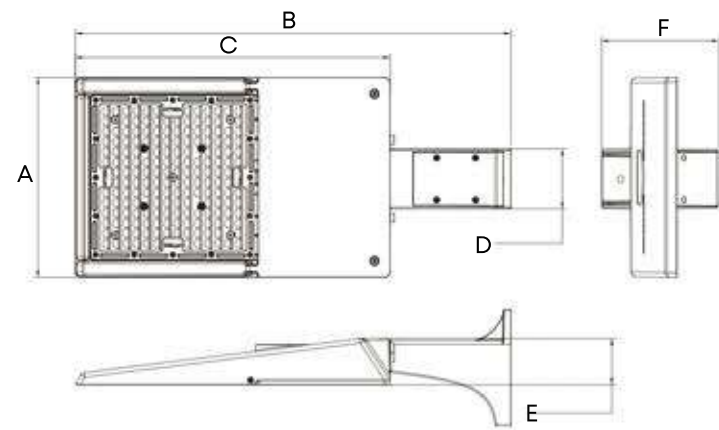
| | A | B | C |
|-----------|--------------------|--------------------|--------------------|
| 75W-150W | 255.96mm 10.08" | 443.65mm 17.47" | 403.6mm 15.89" |
| 200W-300W | 294.97mm 11.61" | 539.98mm 21.26" | 498.97mm 19.64" |
| | D | E | |
| 75W-150W | 35mm 1.38" | 59.19mm 2.33" | |
| 200W-230W | 35mm 1.38" | 60.16mm 2.37" | |

Type-D Slide Lock Mount



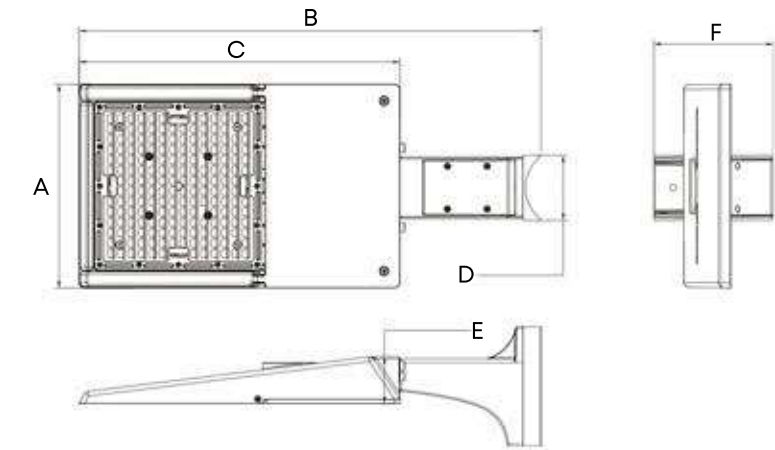
| | A | B | C | |
|-----------|--------------------|--------------------|--------------------|------------------|
| 75W-150W | 255.96mm 10.08" | 549.25mm 21.62" | 403.6mm 15.89" | |
| 200W-230W | 294.97mm 11.61" | 644.6mm 25.38" | 498.97mm 19.64" | |
| | D | E | F | G |
| 75W-150W | 51.87mm 2.04" | 59.21mm 2.33" | 160mm 6.3" | 162.46mm 6.4" |
| 200W-230W | 51.87mm 2.04" | 60.16mm 2.37" | 160mm 6.3" | 162.7mm 6.41" |

Type-E Square Pole



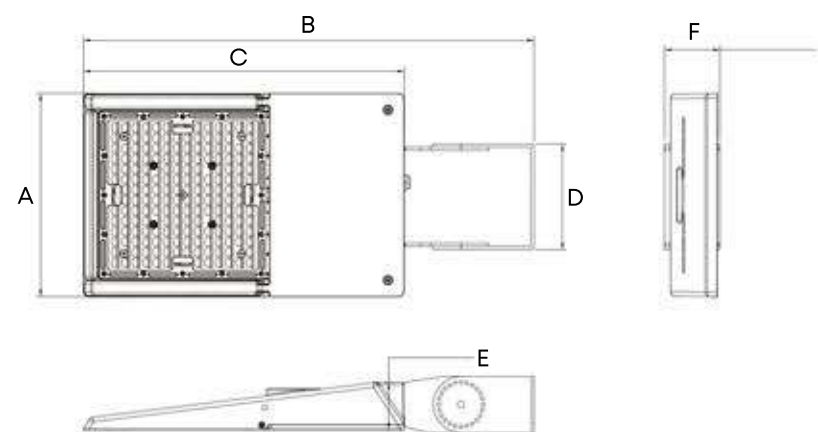
| | A | B | C |
|-----------|--------------------|--------------------|--------------------|
| 75W-150W | 255.96mm 10.08" | 558.25mm 21.98" | 403.6mm 15.89" |
| 200W-230W | 294.97mm 11.61" | 653.6mm 25.73" | 498.97mm 19.64" |
| | D | E | F |
| 75W-150W | 77mm 3.03" | 59.21mm 2.33" | 150mm 5.91" |
| 200W-230W | 77mm 3.03" | 60.16mm 2.37" | 150mm 5.91" |

Type-F Round Pole



| | A | B | C |
|-----------|--------------------|--------------------|--------------------|
| 75W-150W | 255.96mm 10.08" | 580.72mm 22.86" | 403.6mm 15.89" |
| 200W-230W | 294.97mm 11.61" | 676.06mm 26.62" | 498.97mm 19.64" |
| | D | E | F |
| 75W-150W | 81.65mm 3.21" | 59.21mm 2.33" | 150mm 5.91" |
| 200W-230W | 81.65mm 3.21" | 60.16mm 2.37" | 150mm 5.91" |

Type-G Trunnion



| | A | B | C |
|-----------|--------------------|--------------------|--------------------|
| 75W-150W | 255.96mm 10.08" | 567.25mm 22.33" | 403.6mm 15.89" |
| 200W-300W | 294.97mm 11.61" | 662.58mm 26.09" | 498.97mm 19.64" |
| | D | E | F |
| 75W-150W | 133mm 3.03" | 59.21mm 2.33" | 70mm 2.76" |
| 200W-300W | 133mm 3.03" | 60.16mm 2.37" | 70mm 2.76" |

Accessories



Mounting Options



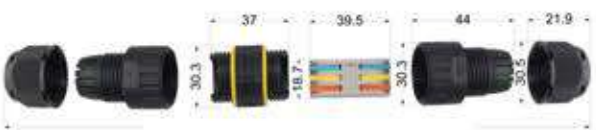
Other Accessories

Quick connection terminal



Ratings per IEC/EN
Ratings per EN 60664
Nominal voltage (II/2): 400V
Rated surge voltage (II/2): 4 kV
Ambient temperature (operation): +40 °C
Continuous operating temperature: 85 °C
Rated current: 32A
Legend (ratings): (II / 2) Overvoltage category II / Pollution degree 2

Tool-free Waterproof Connector (2-pin/3-pin/4-pin optional)



IP rating: IP68
Rated voltage/current: 400V/24A
Test voltage: 2500VAC
Square number of applicable line: 0.5-2.5mm²
Working temperature: -40~+105°C

Unit: mm. Total length of assembly: 108 (REF)

Thread clamp silicone



Wiring range
A=Ø14, cable Ø: 10~14mm
A=Ø12, cable Ø: 9~12mm
A=Ø8.5, cable Ø: 5~9mm

*As the products are upgraded, the accessories may differ from those described in the pictures. Please consult with our sales team for updated details and order separately.



Illuminate Your Future



5 Year Limited Warranty,
10 Year Preferred Warranty.
Please consult with our sales for detailed agreement.

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