



IPLA PARKING LOT LIGHT
75W-230W

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



OVER YEARS 
10 EXPERIENCE
www.aokledlight.com



For other certificates please request

> 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.

UP TO 150 lm/W	L90B10 >100000hrs @ 25°C	100-277V 277-480V 50/60HZ	THD <10.5%	Working Temperature Environment -40°C~50°C (-40°F~122°F)	IP66 IK09
Adjustable • 3000K • 4000K • 5000K	CRI 70/80	ULR =0	DIM	3G VIBRATION TESTING	

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 ≥240V the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.



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.

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

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> 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

T301 (70W-150W)



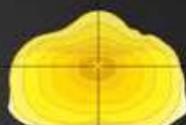
Asymmetric, Type III can be used in wide road parking areas, or at corner areas.

T302 (70W-150W)



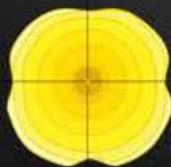
Asymmetric, Type III can be used in wide road parking areas, or at corner areas.

T402 (70W-150W)



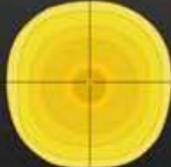
Asymmetric, Type IV can be used in wide road parking areas, or at corner areas.

T501 (70W-150W)



Symmetrical, T5 is suitable for use in the central area of the car park, or in road intersection areas

T502 (70W-150W)

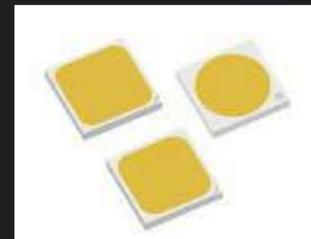


Symmetrical, T5 is suitable for use in the central area of the car park, or in road intersection areas

T301 (200W-230W)



Asymmetric, Type III can be used in wide road parking areas, or at corner areas.



- 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**.



Type A Slipfitter

Type B Adjustable Arm Mount

Type C Yoke Mount

Type D Slide & Lock Mount

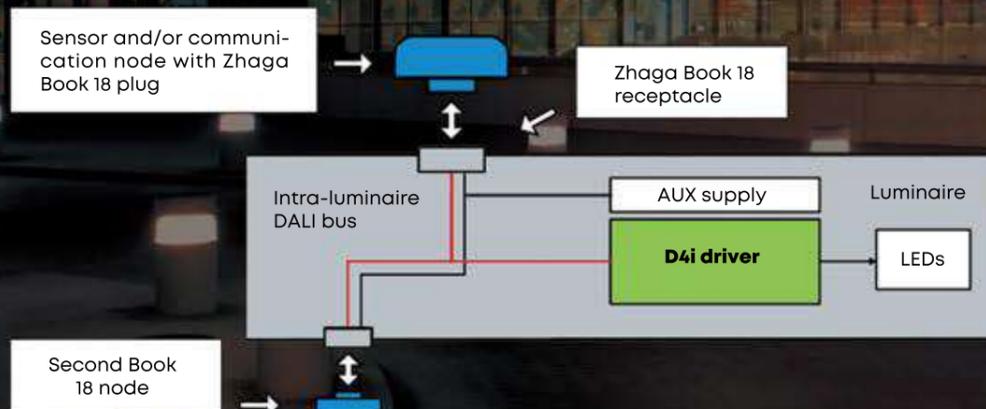
Type E Square Pole Mount

Type F Round Pole Mount

Type G Trunnion Mount

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

Outdoor luminaire with Zhaga receptacles (optional)

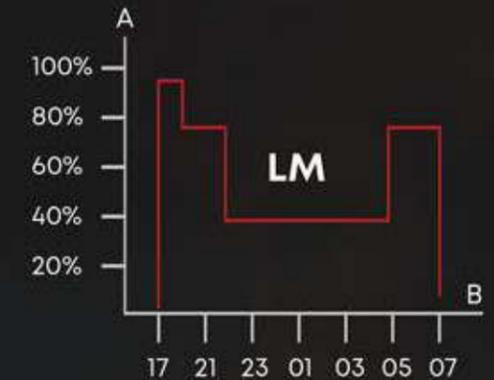


> Control Systems

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 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



Parameter Table

Electrical Data						
Model	AOK-75WPLA	AOK-100WPLA	AOK-150WPLA	AOK-200WPLA	AOK-230WPLA	
Power(w)	75W	100W	150W	200W	230W	
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	6.37KG
	B-Adjustable Arm	5KG	5KG	5.12KG	6.8KG	6.92KG
	C-Yoke Mount	4.17KG	4.17KG	4.3KG	6.08KG	6.2KG
	D-Slide Lock Mount	4.57KG	4.57KG	4.7KG	6.2KG	6.32KG
	E-Square Pole	4.22KG	4.22KG	4.35KG	6.08KG	6.2KG
	F-Round Pole	4.77KG	4.77KG	4.9KG	6.4KG	6.52KG
	G-Trunnion Mount	4.73KG	4.73KG	4.86KG	6.54KG	6.66KG
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	6.74KG
	B-Adjustable Arm	5.7KG	5.7KG	6.03KG	7.8KG	7.92KG
	C-Yoke Mount	4.54KG	4.54KG	4.67KG	6.72KG	6.84KG
	D-Slide Lock Mount	5.37KG	5.37KG	5.5KG	7.2KG	7.32KG
	E-Square Pole	5.22KG	5.22KG	5.35KG	7.08KG	7.2KG
	F-Round Pole	5.6KG	5.6KG	5.72KG	7.4KG	7.52KG
	G-Trunnion Mount	5.13KG	5.13KG	5.26KG	6.94KG	7.06KG

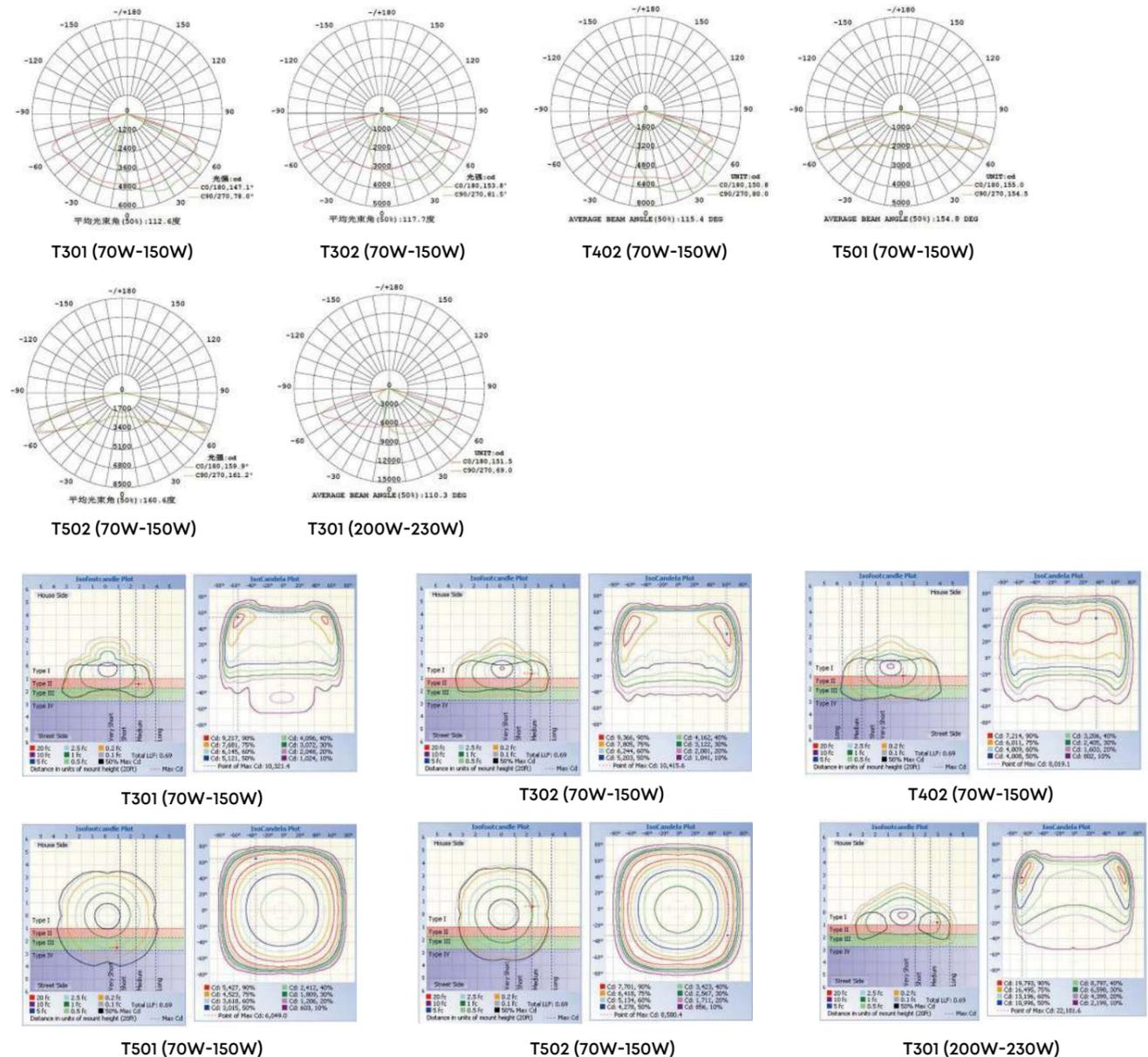
* Note-1: For the power supply in the United States and Canada, in case the input voltage fluctuation ≥240V the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.

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				
					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.

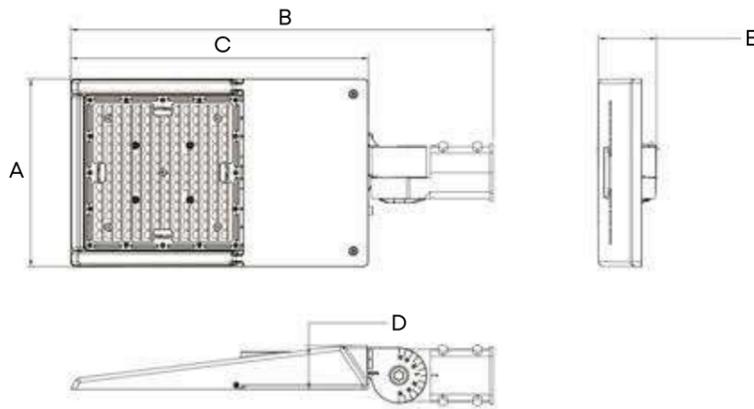
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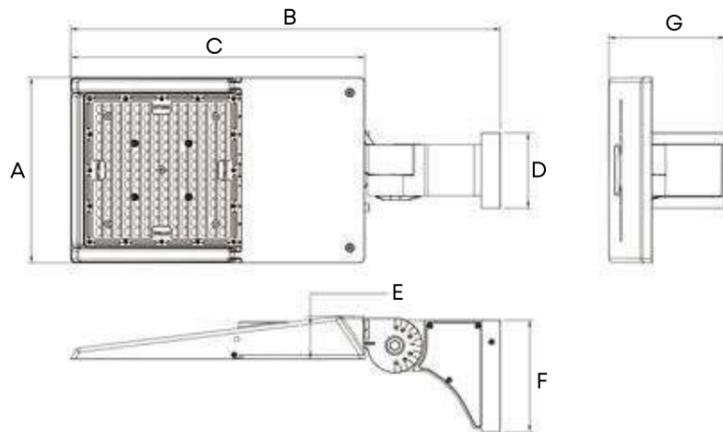
Dimensions

Type-A Slip Fitter



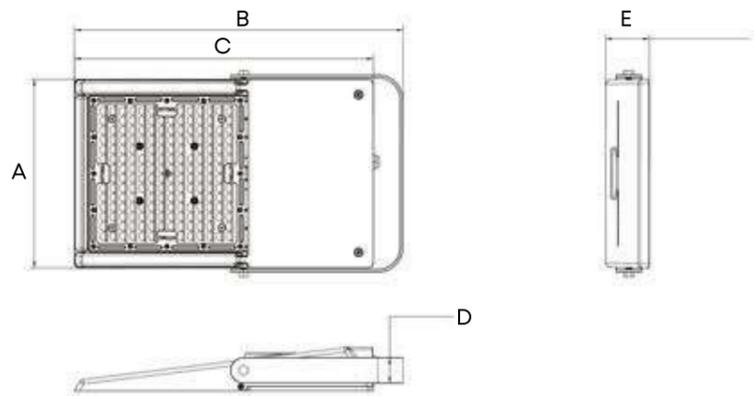
	A	B	C
75W-150W	255.96mm 10.08"	573.16mm 22.57"	403.6mm 15.89"
200W-230W	294.97mm 11.61"	668.54mm 26.32"	498.97mm 19.64"
	D	E	
75W-150W	59.21mm 2.33"	79.19mm 3.12"	
200W-230W	60.16mm 2.37"	79.39mm 3.13"	

Type-B Adjustable Arm



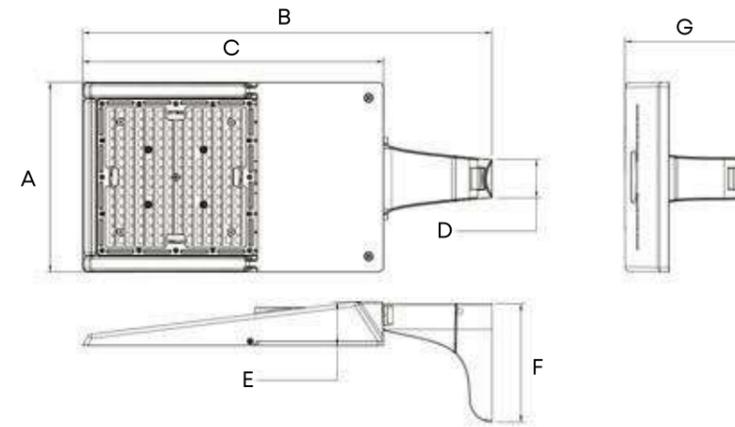
	A	B	C	
75W-150W	255.96mm 10.08"	589.99mm 23.23"	403.6mm 15.89"	
200W-230W	294.97mm 11.61"	685.34mm 26.98"	498.97mm 19.64"	
	D	E	F	G
75W-150W	104mm 4.09"	59.21mm 2.33"	154mm 6.06"	154mm 6.27"
200W-230W	104mm 4.09"	60.16mm 2.37"	154mm 6.06"	159.45mm 6.28"

Type-C Yoke



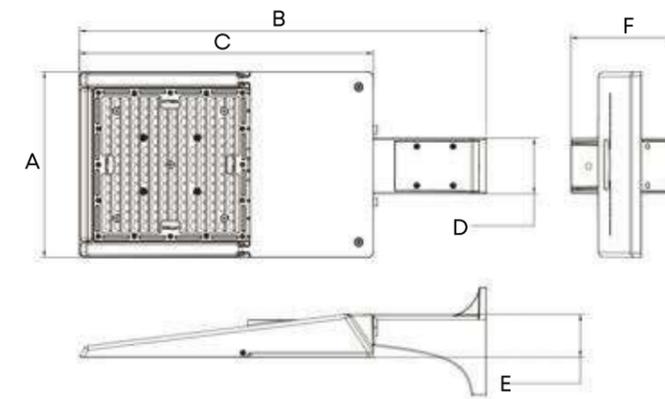
	A	B	C
75W-150W	255.96mm 10.08"	443.65mm 17.47"	403.6mm 15.89"
200W-300W	294.97mm 11.61"	539.98mm 21.26"	498.97mm 19.64"
	D	E	
75W-150W	35mm 1.38"	59.19mm 2.33"	
200W-230W	35mm 1.38"	60.16mm 2.37"	

Type-D Slide Lock Mount



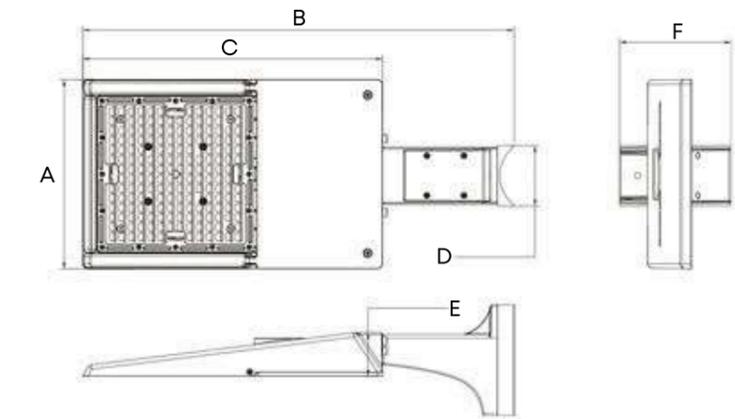
	A	B	C	
75W-150W	255.96mm 10.08"	549.25mm 21.62"	403.6mm 15.89"	
200W-230W	294.97mm 11.61"	644.6mm 25.38"	498.97mm 19.64"	
	D	E	F	G
75W-150W	51.87mm 2.04"	59.21mm 2.33"	160mm 6.3"	162.46mm 6.4"
200W-230W	51.87mm 2.04"	60.16mm 2.37"	160mm 6.3"	162.7mm 6.41"

Type-E Square Pole



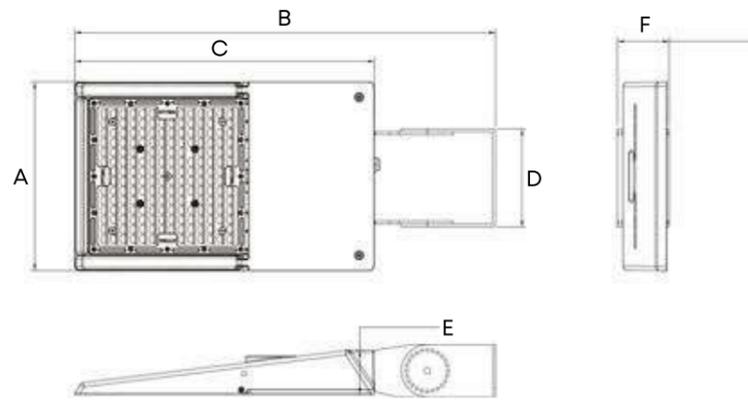
	A	B	C
75W-150W	255.96mm 10.08"	558.25mm 21.98"	403.6mm 15.89"
200W-230W	294.97mm 11.61"	653.6mm 25.73"	498.97mm 19.64"
	D	E	F
75W-150W	77mm 3.03"	59.21mm 2.33"	150mm 5.91"
200W-230W	77mm 3.03"	60.16mm 2.37"	150mm 5.91"

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



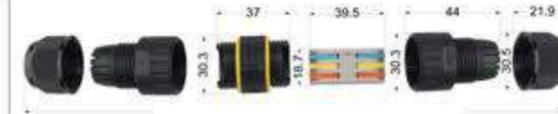
Other Accessories

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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