

**200+** Patent Certificates  
**\$1,000,000+** Annual Energy Saving  
**20,000+** Projects Successfully Installed



## PLB Series LED Area Light

Shoebox / Parking lot lighting  
Power: 100W - 300W



Innovative & Tailored  
Lighting Solutions for **Success**  
[www.aokledlight.com](http://www.aokledlight.com)

# Features of **PLB** Series



For others & details  
please request

· 240W-300W



· 100W-180W



Note: please ensure that the lens is not mounted facing the sky to prevent water from entering the lens area.



**WARRANTY**

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

- Utilizes a precision-engineered lens crafted from optical grade Mitsubishi PMMA to maximize light intensity.
- Features a range of light distributions and designs specifically tailored for parking lots.
- Enhances visual comfort by reducing glare and delivering a wider, smoother, and more uniform light output. Complies with BUG=0 standards.
- Available in various color temperatures: 3000K, 4000K, 5000K, 5700K, and 6500K.
- Optional minimum Color Rendering Index (CRI) of 70, 80, or 90.
- Cutoff classification ensures no upward light pollution.
- Comes with 6 different mounting brackets for quick and easy installation on various pole styles, streamlining the installation process and saving time.
- Provides the option for customized pole adapters for unique installations, offering greater flexibility and customization during setup.

## The **benefits** of opting PLB series



### • Exclusive Lens Replace Design

A user-friendly lens replacement design for effortless maintenance and component recycling.



### • Professional Distribution Options

Customized for parking lots, ensuring flawless uniformity with a BUG rating of 0.



### • High Quality Light Source

Excellent-performance LED chips.



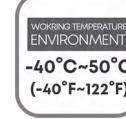
### • Reserved Sensor Installation Positions

Abundant internal space with reserved locations for easy sensor installation.



### • Six Optional Installation Brackets

Providing flexibility and convenience to meet various installation requirements.



Note: Normal Voltage=100-277VAC, High Voltage=200-480VAC, 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.

# User-friendly Lens Replacement Lower Maintenance Costs



A design for lens replacement that is user-friendly, facilitating easy maintenance & recycling of components.

- Press “①” buckle to easily open the cover for lens replacement.

- Press “②” buckle to easily open the driver cover for maintenance.

- High-quality rubber gasket, improved sealing performance.
- High-quality terminal wiring ensures reliability and safety.
- Enhanced buckle design to make opening and closing simpler and more intuitive.

# Change At The Flip Of A **Switch**

- **REDUCE SKUS**
- **INCREASE TURNS**
- **DRIVE PROFITABILITY**

With a simple button press, adjustable CCT LEDs can shift between various white light temperatures, providing a single fixture with multiple tones—from warm to daylight to cool. Instead of ordering lights with different color temperatures, opt for one adjustable CCT product offering multiple options. Install the fixture and customize the color temperature on the spot. This versatility reduces SKUs for contractors while still providing diversity and meeting client needs. Business owners and designers can independently adjust tones to create specific atmospheres and seamlessly coordinate fixtures.



**BHD:** DIP switch for adjusting power and CCT

A	B	C
75 (W)	100 (W)	150 (W)
CW	NW	WW

**75W(A) - 100W(B) - 150W(C)**

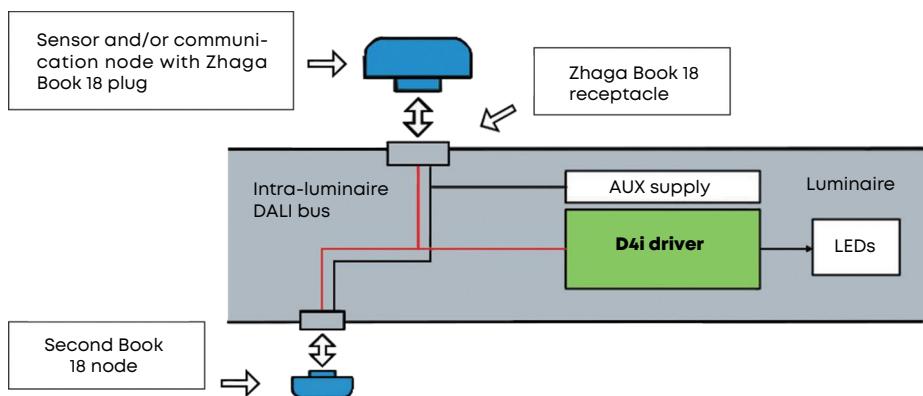
CW: White light NW: Neutral white

WW: Warm white



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

## Outdoor luminaire with Zhaga receptacles (optional)



# Application Reference

- Parking lot lighting
- Riverside & jogging track
- Urban & residential streets
- Bridges
- Bike & pedestrian paths
- Railway stations & metros
- Squares & pedestrian areas
- Tennis court



Parking lot & Area



Residential & Area



Riverside & Jogging track



Leisure or Training fields



# Parameter Table

Electrical Specifications									
Model	AOK-PLB100W	AOK-PLB150W	AOK-PLB180W	AOK-PLB240W	AOK-PLB300W				
3-in-1 Watt Seletable	60-75-100W	75-100-150W	115-150-180W	180-200-240W	200-240-300W				
Input Voltage	Normal Voltage=100-277VAC, High Voltage=200-480VAC, please read *Note-1 before choosing								
PF	$\geq 0.97$								
Maximum Current	-								
Control Option	Driver includes wiring for 0-10V dimming systems. Dim as low as 10%.								
Operating Temperature	180W/300W: -40°C to 45°C(-40 °F to 113 °F) Other: -40°C to 50°C (-40 °F to 122 °F)								
Surge Protection	10KV SPD								
Photometric Specifications									
Efficacy (lm/W,Std Dev $\pm 5\%$ ) @2835,CRI 70Ra, 4000K	150-160lm/W								
Luminous Flux(lm,Std Dev $\pm 5\%$ ) @2835,CRI 70Ra, 4000K	9600-16000lm	12000-22500lm	17500-27000lm	27000-36000lm	30000-45000lm				
CCT	3000K~6500K								
CRI	Ra70 / Ra80 / Ra90								
LED Manufacturer	LUMILEDS/Other brands on request								
LED Model	2835								
Lens	Polycarbonate								
Beam Angle	T301(75°x150°), T401(110°x155°), T501(140°x140°)								
Mechanical Specifications									
IP/IK	IP66/IK10, according to standard EN 60529 and EN 62262								
Vibration Resistance	3G, conform to standard IEC 68-2-6.								
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	Bronze, White, Black, Custom request								
SCx (EPA)	Top view:0.113168m <sup>2</sup> , Side view:0.029591m <sup>2</sup>	Top view:0.173087m <sup>2</sup> , Side view:0.039317m <sup>2</sup>							
Cable	Pre-wired with a 30 cm cable (Other lengths on request)								
Mounting	Slip fitter(Φ40/60/76mm)/Arm mount/Slide & lock/Square pole/Round pole/Trunnion								
Package Info									
Product Size	20.75*11.97*2.44 inches / 527*304*62mm			27.4*12.44*2.44 inches / 696*316*62mm					
Net Weight	3.2KG			4.0KG					
Carton Size	22.63*13.97*5.7inches / 575*355*145mm			29.33*14.37*5.7inches / 745*365*145mm					
Gross Weight	4.0KG			4.9KG					
Others									
Lifespan	L90B10 - 100 000 h, @Ta 25°C								
Warranty	5 years limited warranty								
Certification	UL,DLC5.1,FCC								
Application Field	Parking lot lighting,Riverside & jogging track,Urban & residential streets,Bridges,Bike & pedestrian paths,Railway stations & metros,Squares & pedestrian areas,Tennis court								
Important Note!	The provided information is solely for reference; the official measurement report holds higher authority.								

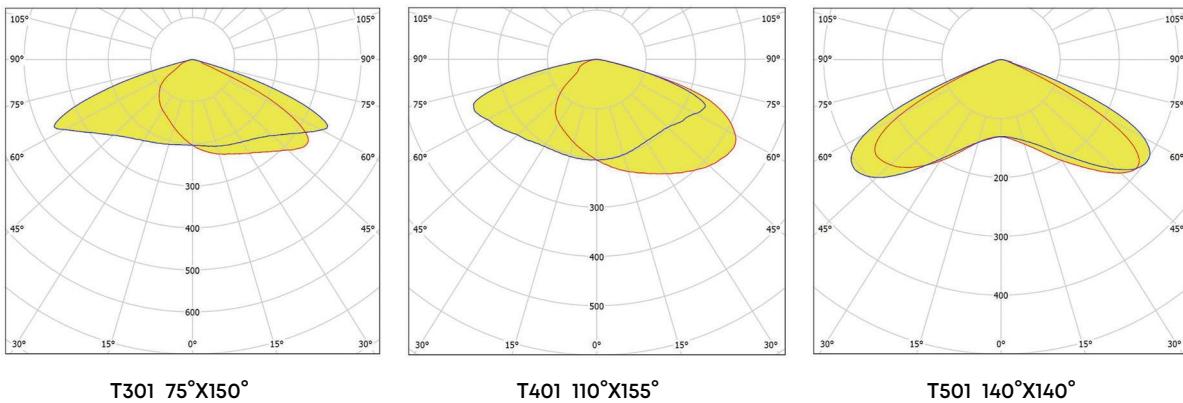
\* Note-1: For the power supply in the United States and Canada, in case the input voltage fluctuation  $\geq 240V$  the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.

# Ordering Information

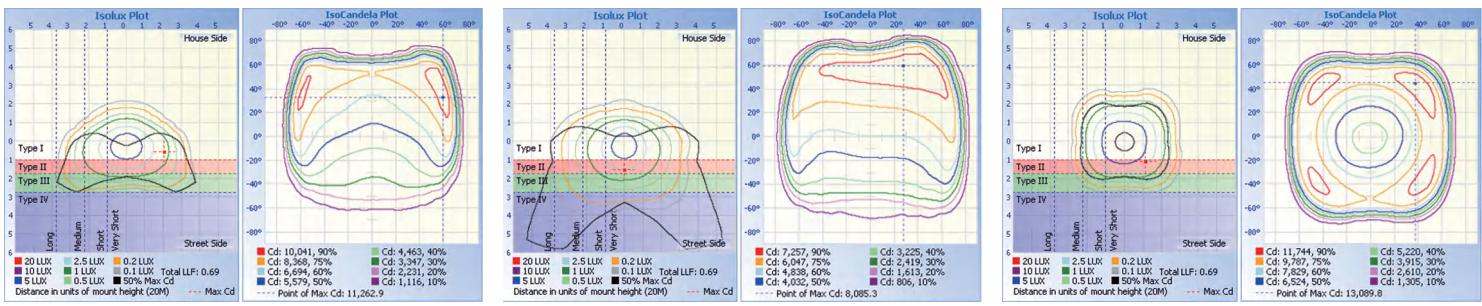
AOK								
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	HOUSING	OPTIONS
100W	NV=100-277V	A2=A2835	00=Without Sensor	2770=2700K 70CRI	T301(75°X150°)	A=Slipfitter	BZ=Bronze	
150W	HV=200-480V	L2=LUMILEDS 2835	PH=Photocell	3070=3000K 70CRI	T401(110°X155°)	B=Adjustable Arm	WH=White	
180W			DV=Dimmable	4070=4000K 70CRI	T501(140°X140°)	D=Slide & Lock	BK=Black	
240W			PIR=PIR sensor	5070=5000K 70CRI		E=Square Pole		
300W				5770=5700K 70CRI		F=Round Pole		
60-75-100W				6570=6500K 70CRI		G=Trunnion		
75-100-150W				2780=2700K 80CRI				
115-150-180W				3080=3000K 80CRI				
180-200-240W				4080=4000K 80CRI				
200-240-300W				5080=5000K 80CRI				
				5780=5700K 80CRI				
				6580=6500K 80CRI				

Other brands of LED chips on request

## Photometry



## Illuminance Diagram



T301 75°X150°

T401 110°X155°

T501 140°X140°

# Brackets Installation Options

Suitable for different installation scenarios, quickly adapt to the needs of the project. Convenient and Flexible.



Type A  
Slipfitter  
(Φ40mm)



Type A  
Slipfitter  
(Φ60mm)



Type A  
Slipfitter  
(Φ76mm)



Type B  
Adjustable  
Arm Mount



Type D  
Slide & Lock  
Mount



Type E  
Square Pole  
Mount



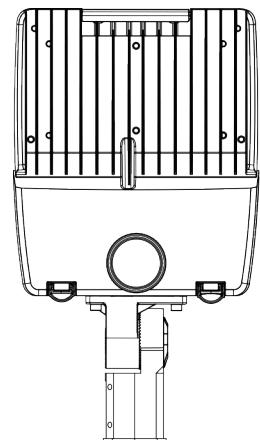
Type F  
Round Pole  
Mount



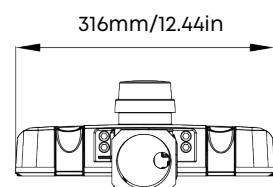
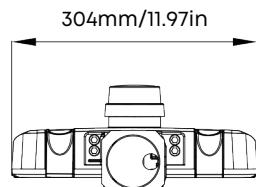
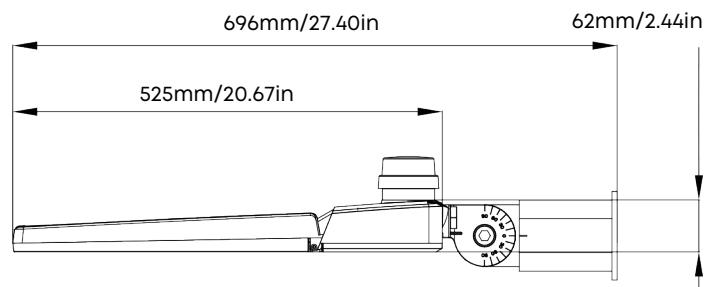
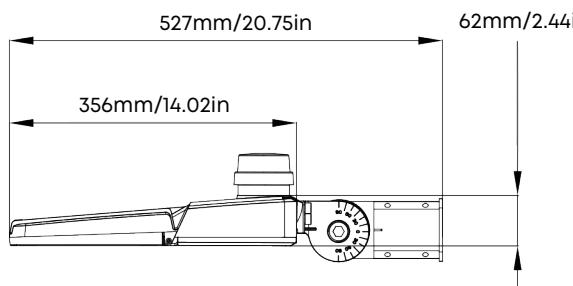
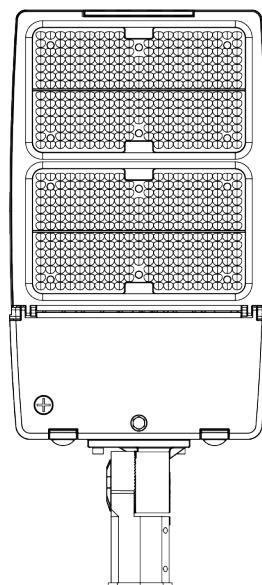
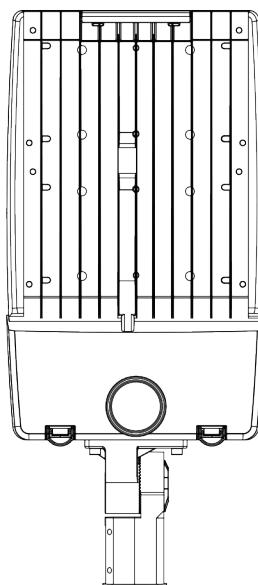
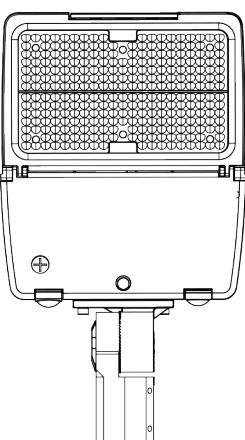
Type G  
Trunnion  
Mount

## Dimensions

100W-180W



240W-300W





Quality, Honesty, Service and Innovation

## Innovative & Tailored Lighting Solutions for **Success**



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

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