

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



# ILB Series LED Street Light

Power: 10W - 50W



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

# Features of **ILB** Series



< Side Entry

< Post Top



● WARRANTY

5 Year Limited Warranty,  
10 Year Preferred Warranty.

Please consult with our sales for detailed agreement.

- ILB series street light is a patented product that boasts easy installation. Crafted from die-casting aluminum alloy, the fixture body ensures efficient heat dissipation, thus enhancing product lifespan. Designed for mounting at 4 to 6 meters, with an optimal distance of 3 to 3.5 times the height.
- Utilizing high-purity aluminum radiators with exceptional thermal conductivity, our design maximizes heat exchange efficiency, reducing light source temperatures for prolonged functionality and longevity.
- Employing a high-stability isolated constant current power supply scheme, the ILB series features over-temperature protection, a wide voltage range, a high power factor, efficiency, and superior heat dissipation.
- Power range: from 10W to 50W
- Control Option: Surge Protective Device, Daylight Sensor Control, 1-10V Dimming

## Fine qualities of ILB Series



### • Convenient Upgrade

Reserved controller base installation port for convenient upgrades.



### • Self-Clean Cover

Self-cleaning smooth back cover design.



### • Light Weight Design

Compact size, lightweight, and economically practical.



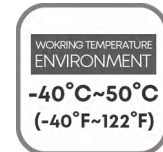
### • Ample Inner Space

The power compartment has a large volume, reserving space for installing intelligent controllers.



### • CCT & Power Adjustable

Power and CCT adjustable options are available to effectively improve stock efficiency and reduce SKU.



# Application Reference

- Rural street
- Urban street





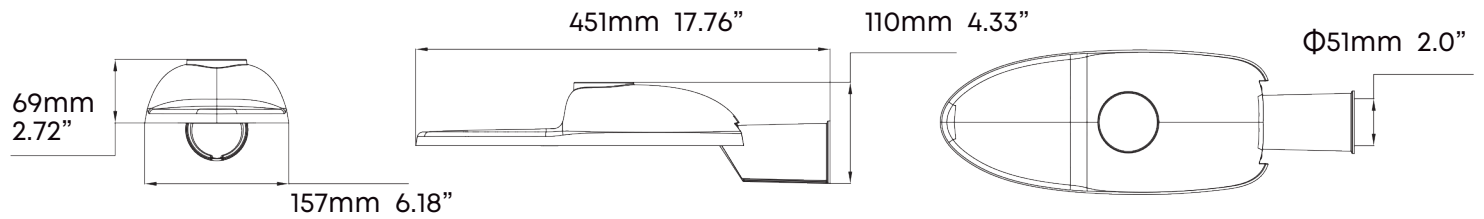
# Parameter Table

Electrical Specifications						
Model		AOK-iLB10	AOK-iLB20	AOK-iLB30	AOK-iLB40	AOK-iLB50
Power(W)		10W	20W	30W	40W	50W
Input Voltage		100-240Vac, 50/60Hz				
THD(220Vac)		≤12%				
PF(120Vac)		≥0.96	≥0.96	≥0.96	≥0.96	≥0.96
Driver Brand		Inventronic / Sosen / Others				
Ambient Temperature		-40°C to 50°C (-40 °F to 122 °F)				
Control Option		Surge Protective Device, Daylight Sensor Control, 1-10V Dimming				
Surge Protection		10kV optional				
Photometric Specifications						
Efficacy(lm/W) (CRI 70Ra, 4000K, Std Dev ±3%)	T3	165lm/W	155lm/W	150lm/W	147lm/W	142lm/W
Luminous Flux (lm) (CRI 70Ra, 4000K, Std Dev ±5%)	T3	1650lm	3100lm	4500lm	5880lm	7100lm
ULOR		= 0%, @ Luminaire inclination 0°				
CCT		2700K, 3000K, 4000K, 5000K, 5700K, 6500K				
CRI		70Ra, 80Ra, 90Ra				
Beam Angle		T201 (60°140°), Type-III (80°160°), Customization is acceptable				
Mechanical Specifications						
IP/IK		Optical systems maintain an IP66 rating, IK10				
Vibration Resistance		3G rated, conform to standard IEC 68-2-6.				
Scx (EPA)		0.0537m² (Top view), 0.0208m² (Side view)				
Materials		Heavy-duty die-cast aluminum (ADC12)				
Surface Treatment		Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).				
Painting		RAL 9006 Silver				
Cable		Pre-wired with a 40 cm cable (Other lengths on request)				
Mounting		Side Entry / Post Top				
LEDs						
LED Manufacturer		On request				
LED Model		3030				
Working Current Of Single LED	T3	100mA	80mA	60mA	40mA	20mA
Lens		Polycarbonate				
Others						
Lifespan		L90B10 > 30000h, @Ta 25°C				
Warranty		5 years (Warranty extension up to 10 years on request)				
Certification		Please request for details				
Product Size		17.76*6.18*4.33 inches / 451*157*110mm				
Net Weight		1.8 kg/4.0 lbs				
Carton Size		20.47*8.27*5.7inches / 520*210*145mm				
Gross Weight		2.1 kg/4.6 lbs				
Recommend Installation Height		General 4~6m, based on the project demand				
Application Field		Urban and rural street				
<b>Important Note!</b>		<b>The provided information is solely for reference; the official measurement report holds higher authority.</b>				

# Ordering Information

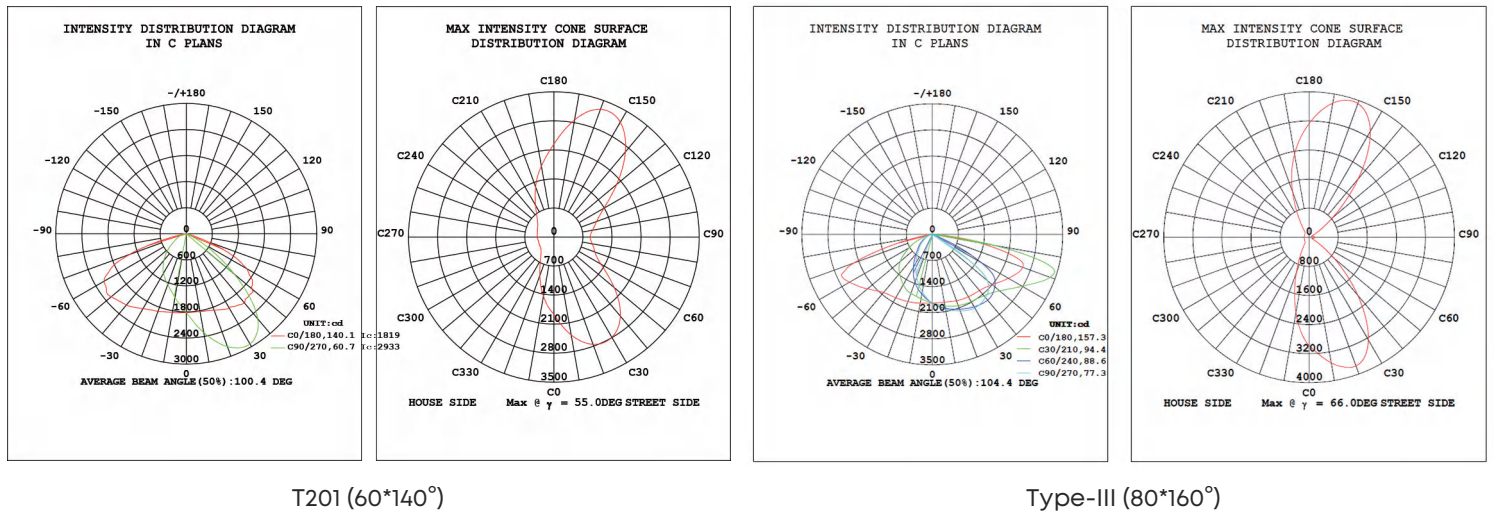
AOK								
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	HOUSING	OPTIONS
10WiLB	NV=100-240V	S3= 3030	00=Without Sensor	2770=2700K 70CRI	T201 (60*140°)	A=Side Entry	SI=Silver	10KV SPD
20WiLB				3070=3000K 70CRI	Type-III (80*160°)	B=Post Top		
30WiLB				4070=4000K 70CRI				
40WiLB				5070=5000K 70CRI				
50WiLB				5770=5700K 70CRI				
				6570=6500K 70CRI				
				2780=2700K 80CRI				
				3080=3000K 80CRI				
				4080=4000K 80CRI				
				5080=5000K 80CRI				
				5780=5700K 80CRI				
				6580=6500K 80CRI				

## Dimension



## Photometrics

· Adopt domestic famous brand SMD light source, which has high brightness, small light attenuation and longer service life.





Quality, Honesty, Service and Innovation

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



WARRANTY

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