



B3 ENGINEERING
THE MASTERS OF LIGHT



ILG Series LED Street Light

Power: 20W - 60W



Innovative & Tailored
Lighting Solutions for **Success**

Features of **ILG** Series



For others & details
please request



● WARRANTY

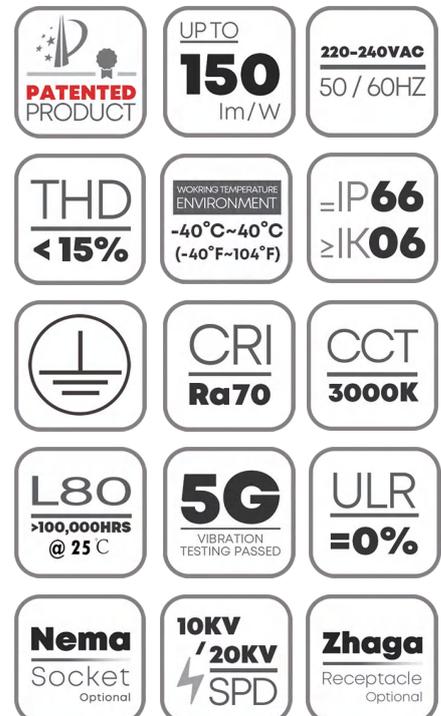
5 Year Limited Warranty,
10 Year Preferred Warranty.

Please consult with our sales for detailed agreement.

- These products, featuring patented designs, are easy to install and made from die-cast aluminum alloy for optimal heat dissipation, extending their lifespan. They are ideal for heights of 4 to 6 meters, with a recommended spacing of 3 to 3.5 times the height.
- Aluminum alloy casing with an integrated die-cast heat sink provides efficient cooling for the light source, ensuring stability and longevity.
- Featuring a high-stability isolated constant current power supply, these products offer over-temperature protection, a wide voltage range, high power factor, and excellent heat dissipation.
- Control options include Surge Protective Device, Daylight Sensor Control, and 1-10V Dimming.

Benefits for choosing ILG

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• Multiple Lighting Solution
 Standard lighting effect and highlight effect options available.
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• Convenient Upgrade
 Reserved controller base installation port for convenient upgrades.
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• Self-Clean Cover
 Self-cleaning smooth back cover design.
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• Light Weight
 Lightweight, and economically practical.
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• Compact Design
 The compact design of the luminaire makes it more robust and more resistant to impact.



Application Reference

- Road & highway lighting
- Urban road & street lighting
- Residential area lighting
- Parks & perimeter lighting
- Parking lot lighting
- Riverside & jogging track





Parameter Table

Electrical Data					
Model	B3 ILG 20	B3 ILG 30	B3 ILG 40	B3 ILG 50	B3 ILG 60
Input Voltage	220-240VAC				
THD (220Vac)	<15%				
PF (220Vac)	≥0.9				
Driver	(DONE)Class I , Class II				
Operating Temperature	-40°C to 40°C (-40 °F to 104 °F)				
Control Option	1-10V timer dimming				
Surge Protection	10kV / 20kV optional				
Photometric Data					
Efficacy(lm/W) (CRI 70Ra, 3000K) (Std Dev ±5%)	150lm/W	148lm/W	145lm/W	138lm/W	130lm/W
Luminous Flux (lm) (CRI 70Ra, 3000K) (Std Dev ±5%)	3000lm	4440lm	5800lm	6900lm	7800lm
ULR	= 0%, @ Luminaire inclination 0°				
CCT	3000K				
CRI	70Ra				
Beam Angle	T2(60°140°)				
LED Manufacturer	AOK				
LED Model	2835				
Lens	Polycarbonate				
Mechanical Data					
IP/IK	Optical systems maintain at IP66, ≥IK06, according to standard EN 60529 and EN 62262				
Vibration Resistance	5G rated, conform to standard IEC 68-2-6.				
SCx	0.065m² (top view), 0.023m² (side view)				
Materials	Heavy-duty die-cast aluminum (ADC12)				
Painting	RAL 7035				
Surface Treatment	Anti-UV thermosetting polyester / >60 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).				
Cable	None				
Mounting	Post Top/Side Entry (Φ42~60mm pole), custom request				
Others					
LED	L80 > 100000hrs, @Ta 25°C				
Warranty	5 years (Warranty extension up to 10 years on request)				
Certification	ENEC,CE,RoHS,For other certificates please request				
Product Size	479*159*89mm/18.86*6.26*3.5"				
Net Weight	2.5kg/5.5lbs				
Carton Size	500*170*120mm/19.69*6.69*4.72"				
Net Weight	2.9kg/6.39lbs				
Recommend Installation Height	General 4-6m, based on actual project requirements				
Standard Accessories	None				
Optional Accessories	10kV/20kV SPD, NEMA socket, Photocell, Fuse holder+fuse				

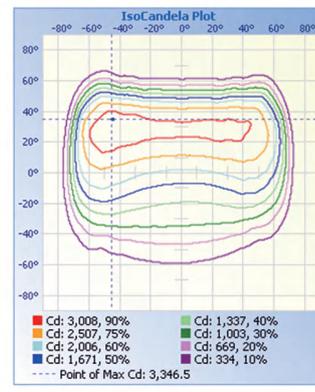
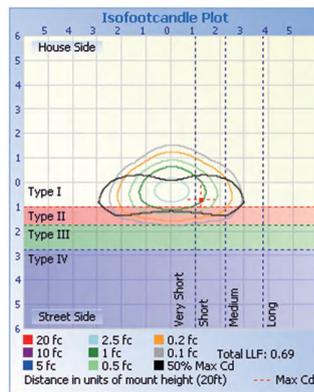
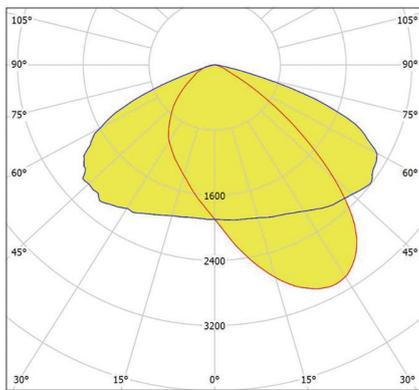
Important Note!

**The provided parameters are solely for design reference;
the official measurement report holds higher and final authority.**

Ordering Information

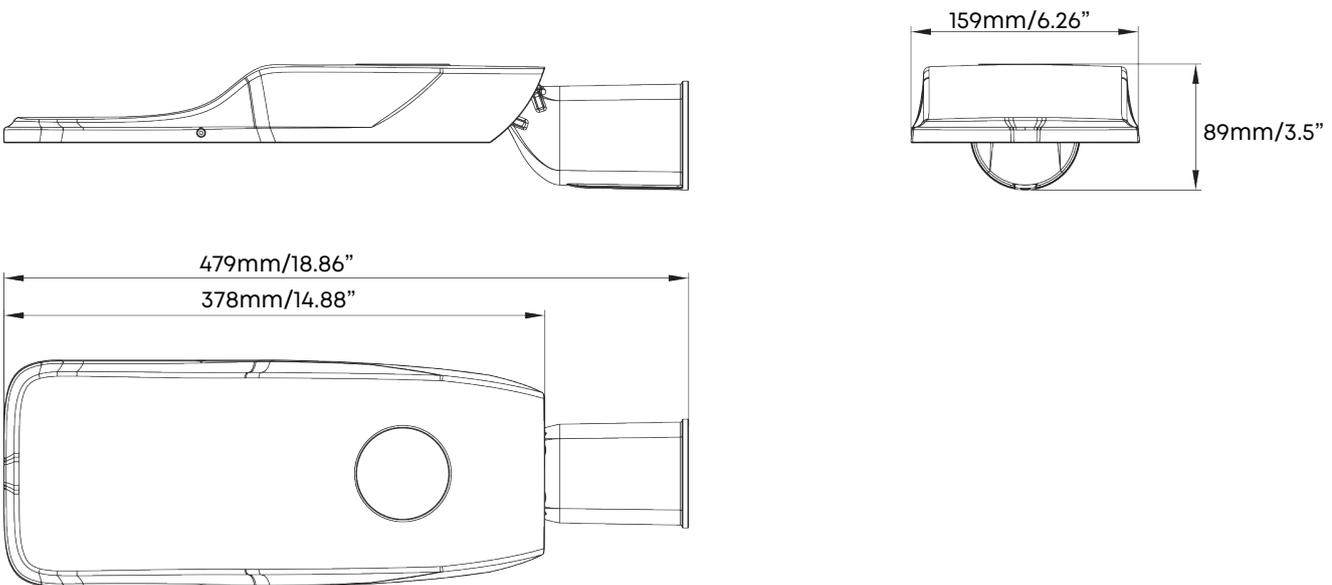
B3								
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	HOUSING	OPTIONS
20WILG	NV=220-240V	A2=2835	00=Without Sensor	3070=3000K 70CRI	T2=Type II (60*140°)	A=Side Entry	SL=Silver	10KV SPD
30WILG			PH=Photocell			B=Post Top	GR=Gray	20KV SPD
40WILG			DV=Dimmable				Custom request	Zhaga receptacle
50WILG								Nema socket
60WILG								Custom request

Photometrics & Illuminance Diagram



Type II (60*140°)

Dimensions





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