

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



ILH Series LED Street Light

Power: 20W - 300W



Innovative & Tailored
Lighting Solutions for **Success**
www.aokledlight.com

Features of **ILH** Series



For others & details
please request



WARRANTY

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

- The ILH series LED street light is a compact and cost-effective lighting solution with a sleek, modern design. It offers high light efficiency and energy-saving features, making it an environmentally friendly choice for outdoor illumination.
- Built to withstand harsh outdoor conditions, the ILH series LED street light boasts excellent waterproof capabilities, ensuring reliability and longevity in various environments.
- This versatile LED street light supports multiple control options, including DALI-2, D4i, 0/1-10V, PWM, and timer dimming. It also offers an optional Zhaga or Nema control receptacle for added flexibility and compatibility with smart lighting systems.

Benefits for choosing ILH



**Auto
Cut-off**



**Convenient
Upgrade**



**Exceptional
Impact Resistance**



**Professional
Optic Design**



**Tool-less
Entry**



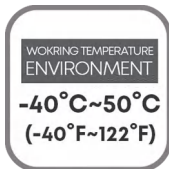
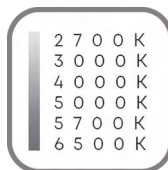
**Light
Weight**



**Tempered
Glass**



**DALI
Control**

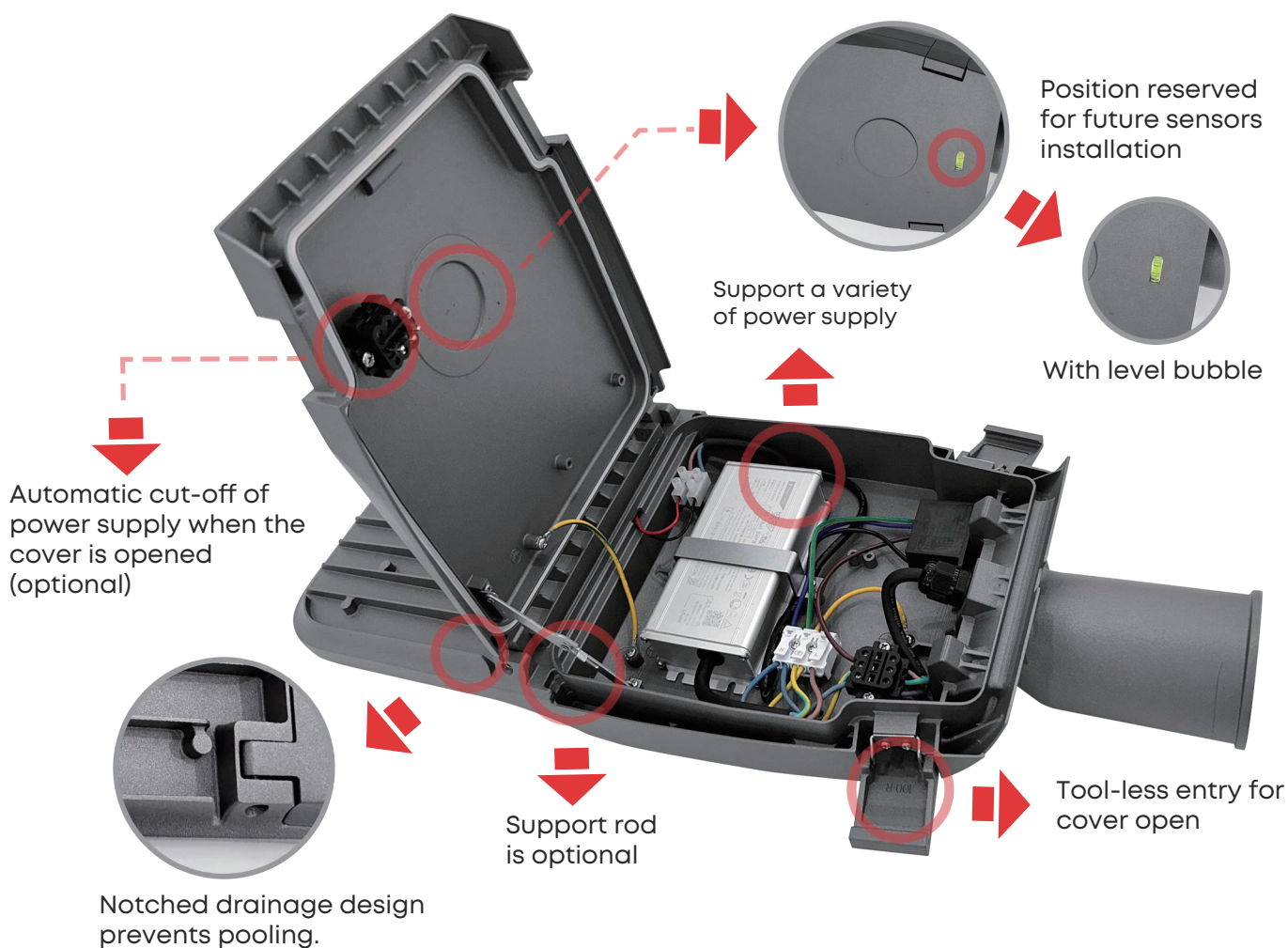


Tool-less Cover Opening

Lower Maintenance Costs



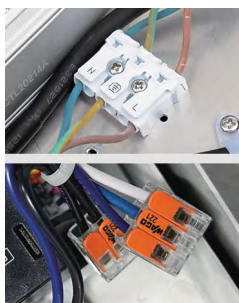
The streamlined design of ILH series street lights improves wind resistance. Its user-friendly maintenance and replacement design cut fixture maintenance costs, reducing both personnel and financial investments significantly.



· Dual-layer structure design, enhanced water resistance.



· High quality silicone gasket, improved sealing performance.



· High-quality terminal wiring ensures reliability and safety. (Optional)



· High-quality AC power interface, safe and reliable. (Optional)



· Adjustable bracket ± 15 degrees.



· Reinforced bracket design, increased safety.



Animals & Insects Friendly
2200K-2700K
CCT available

Superior LED Module

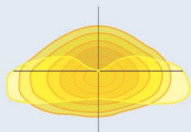
Choose between LEDs in 2835, 3030, or 5050 solutions for uniform street light distribution.

Customize for common or private mode light distribution as needed.

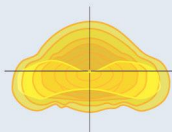


No photo-biological risk (no risk associated with infrared, blue light, or UV radiation), in compliance with **EN 62471:2008**.

TYPE II
(100°160°)



TYPE II
(85°160°)



* Due to working temperature and CCT/CRI adjustments, actual photometric values may vary slightly. Please consult the measured IES file for accurate data. The above information is for reference purposes only.

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	AOK-ILH(S)-(20-60W)					
Power	20W	30W	40W	50W	60W	
Input Voltage	100-277VAC / 220-240VAC					
THD (220Vac)	≤10%					
PF (220Vac)	≥0.95					
Driver	Moso/Inventronics, Sosen/Class 1, (Sosen, Philips, OSRAM, Moso, uPowerTek) /Class 1, Class 2					
Operating Temperature	-40°C to 50°C (-40 °F to 122 °F)					
Control Option	DALI-2, D4i,0/1-10V, PWM, timer dimming					
Surge Protection	10kV / 20kV optional					
Photometric Data						
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)	T2(100°160°)	175lm/W	172lm/W	175lm/W	173lm/W	172lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)	T2(100°160°)	3500lm	5160lm	7000lm	8650lm	10320lm
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)-5050	T2(85°160°)	185lm/W	182lm/W	183lm/W	182lm/W	182lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)-5050	T2(85°160°)	3700lm	5460lm	7320lm	9100lm	10920lm
ULR	= 0%, @ Luminaire inclination 0°					
CCT	2700K, 3000K, 4000K, 5000K, 5700K, 6500K					
CRI	70Ra, 80Ra, 90Ra optional					
Beam Angle	Type II (100°160°, 85°160°), customization acceptable					
LED Manufacturer	Other brands, customization acceptable, please request					
LED Model	2835 / 3030 / 5050					
Lens	Polycarbonate+tempered glass(4/5 mm thick)					
Mechanical Data						
IP/IK	Optical systems maintain at IP66, IK08/IK09, according to standard EN 60529 and EN 62262					
Vibration Resistance	5G rated, conform to standard IEC 68-2-6.					
SCx	0.088m² (top view), 0.027m² (side view)					
Materials	Heavy-duty die-cast aluminum (ADC12)					
Painting	RAL 9005 Black, RAL 9006 Silver, RAL 9007gray, Custom request					
Surface Treatment	Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).					
Cable	Pre-wired with a 30 cm cable (Other lengths on request)					
Mounting	Side Entry/Post Top, (Φ42~60mm pole), custom request					
Others						
Lifespan	L70 > 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	535*190*96mm/21.06*7.48*3.78"					
Net Weight	2.8kg/6.17lbs					
Standard Package Size & Gross Weight	555*200*125mm/21.85*7.87*4.92" , Gross weight: 3.1KG/6.83lbs					
Optional Package Size & Gross Weight	585*240*150mm/23.03*9.45*5.91", Gross weight: 3.3KG/7.28lbs					
Recommend Installation Height	General 4-12m, based on actual project requirements					
Standard Accessories	SPD 10KV, Breather vent, Level bubble					
Optional Accessories	Circuit breaker,SPD 20KV, Nema photoelectric control socket, Nameplate,Shorting cap,Lens cover Photoelectric controller, Zhaga socket, PIR sensor, Microwave sensor, Support rod, Safety rope.					
Important Note!	The provided parameters are solely for design reference; the official measurement report holds higher and final authority.					

Parameter Table

Electrical Data						
Model	AOK-iLH(M)-(70-110W)					
Power	70W	80W	90W	100W	110W	
Input Voltage	100-277VAC / 220-240VAC					
THD (220Vac)	≤10%					
PF (220Vac)	≥0.95					
Driver	Moso/Inventronics, Sosen/Class 1, (Sosen, Philips, OSRAM, Moso, uPowerTek) /Class 1, Class 2					
Operating Temperature	-40°C to 50°C (-40 °F to 122 °F)					
Control Option	DALI-2, D4i,0/1-10V, PWM, timer dimming					
Surge Protection	10kV / 20kV optional					
Photometric Data						
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)	T2(100°160°)	175lm/W	174lm/W	173lm/W	172lm/W	170lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)	T2(100°160°)	12250lm	13920lm	15570lm	17200lm	18700lm
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)-5050	T2(85°160°)	185lm/W	184lm/W	183lm/W	182lm/W	180lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)-5050	T2(85°160°)	12950lm	14720lm	16470lm	18200lm	19800lm
ULR	= 0%, @ Luminaire inclination 0°					
CCT	2700K, 3000K, 4000K, 5000K, 5700K, 6500K					
CRI	70Ra, 80Ra, 90Ra optional					
Beam Angle	Type II (100°160°, 85°160°), customization acceptable					
LED Manufacturer	Other brands, customization acceptable, please request					
LED Model	2835 / 3030 / 5050					
Lens	Polycarbonate+tempered glass(4/5 mm thick)					
Mechanical Data						
IP/IK	Optical systems maintain at IP66, IK08/IK09, according to standard EN 60529 and EN 62262					
Vibration Resistance	5G rated, conform to standard IEC 68-2-6.					
SCx	0.1m² (top view), 0.028m² (side view)					
Materials	Heavy-duty die-cast aluminum (ADC12)					
Painting	RAL 9005 Black, RAL 9006 Silver, RAL 9007gray, Custom request					
Surface Treatment	Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).					
Cable	Pre-wired with a 30 cm cable (Other lengths on request)					
Mounting	Side Entry/Post Top, (Φ42~60mm pole), custom request					
Others						
Lifespan	L70 > 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	540*220*96mm/21.26*8.66*3.78"					
Net Weight	3.4kg/7.5lbs					
Standard Package Size & Gross Weight	565*230*125mm/22.24*9.06*4.92", Gross weight: 3.8KG/8.38lbs					
Optional Package Size & Gross Weight	595*270*150mm/23.43*10.63*5.91", Gross weight: 3.9KG/8.6lbs					
Recommend Installation Height	General 4-12m, based on actual project requirements					
Standard Accessories	SPD 10KV, Breather vent, Level bubble					
Optional Accessories	Circuit breaker,SPD 20KV, Nema photoelectric control socket, Nameplate,Shorting cap,Lens cover Photoelectric controller, Zhaga socket, PIR sensor, Microwave sensor, Support rod, Safety rope.					
Important Note!	The provided parameters are solely for design reference; the official measurement report holds higher and final authority.					

Parameter Table

Electrical Data					
Model		AOK-iLH(L)-(120-150W)			
Power		120W	130W	140W	150W
Input Voltage		100-277VAC / 220-240VAC			
THD (220Vac)		≤10%			
PF (220Vac)		≥0.95			
Driver		Moso/Inventronics, Sosen/Class 1, (Sosen, Philips, OSRAM, Moso, uPowerTek) /Class 1, Class 2			
Operating Temperature		-40°C to 50°C (-40 °F to 122 °F)			
Control Option		DALI-2, D4i,0/1-10V, PWM, timer dimming			
Surge Protection		10kV / 20kV optional			
Photometric Data					
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)	T2(100°160°)	173lm/W	172lm/W	171lm/W	170lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)	T2(100°160°)	20760lm	22360lm	23940lm	25500lm
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)-5050	T2(85°160°)	183lm/W	182lm/W	181lm/W	180lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)-5050	T2(85°160°)	21960lm	23660lm	25340lm	27000lm
ULR		= 0%, @ Luminaire inclination 0°			
CCT		2700K, 3000K, 4000K, 5000K, 5700K, 6500K			
CRI		70Ra, 80Ra, 90Ra optional			
Beam Angle		Type II (100°160°, 85°160°), customization acceptable			
LED Manufacturer		Other brands, customization acceptable, please request			
LED Model		2835 / 3030 / 5050			
Lens		Polycarbonate+tempered glass(4/5 mm thick)			
Mechanical Data					
IP/IK		Optical systems maintain at IP66, IK08/IK09, according to standard EN 60529 and EN 62262			
Vibration Resistance		5G rated, conform to standard IEC 68-2-6.			
SCx		0.11m² (top view), 0.029m² (side view)			
Materials		Heavy-duty die-cast aluminum (ADC12)			
Painting		RAL 9005 Black, RAL 9006 Silver, RAL 9007gray, Custom request			
Surface Treatment		Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).			
Cable		Pre-wired with a 30 cm cable (Other lengths on request)			
Mounting		Side Entry/Post Top, (Φ42~60mm pole), custom request			
Others					
Lifespan		L70 > 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		592*220*96mm/23.3*8.66*3.78"			
Net Weight		3.9kg/8.6lbs			
Standard Package Size & Gross Weight		615*230*125mm/24.21*9.06*4.92", Gross weight: 4.5KG/9.92lbs			
Optional Package Size & Gross Weight		645*270*150mm/25.39*10.63*5.91", Gross weight: 4.9KG/10.8lbs			
Recommend Installation Height		General 4-12m, based on actual project requirements			
Standard Accessories		SPD 10KV, Breather vent, Level bubble			
Optional Accessories		Circuit breaker,SPD 20KV, Nema photoelectric control socket, Nameplate,Shorting cap,Lens cover Photoelectric controller, Zhaga socket, PIR sensor, Microwave sensor, Support rod, Safety rope.			
Important Note!		The provided parameters are solely for design reference; the official measurement report holds higher and final authority.			

Parameter Table

Electrical Data						
Model		AOK-iLH(XL)-(160-200W)				
Power		160W	170W	180W	190W	200W
Input Voltage		100-277VAC / 220-240VAC				
THD (220Vac)		≤10%				
PF (220Vac)		≥0.95				
Driver		Moso/Inventronics, Sosen/Class 1 (Philips, Moso, uPowerTek) /Class 1, Class 2				
Operating Temperature		-40°C to 50°C (-40 °F to 122 °F)				
Control Option		DALI-2, D4i,0/1-10V, PWM, timer dimming				
Surge Protection		10kV / 20kV optional				
Photometric Data						
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)	T2(100°160°)	173lm/W	172lm/W	171lm/W	170lm/W	170lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)	T2(100°160°)	27680lm	29240lm	30780lm	32300lm	34000lm
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)-5050	T2(85°160°)	184lm/W	183lm/W	182lm/W	181lm/W	180lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)-5050	T2(85°160°)	29440lm	31110lm	32760lm	34390lm	36000lm
ULR		= 0%, @ Luminaire inclination 0°				
CCT		2700K, 3000K, 4000K, 5000K, 5700K, 6500K				
CRI		70Ra, 80Ra, 90Ra optional				
Beam Angle		Type II (100°160°, 85°160°), customization acceptable				
LED Manufacturer		Other brands, customization acceptable, please request				
LED Model		2835 / 3030 / 5050				
Lens		Polycarbonate+tempered glass(4/5 mm thick)				
Mechanical Data						
IP/IK		Optical systems maintain at IP66, IK08/IK09, according to standard EN 60529 and EN 62262				
Vibration Resistance		5G rated, conform to standard IEC 68-2-6.				
SCx		0.138m² (top view), 0.029m² (side view)				
Materials		Heavy-duty die-cast aluminum (ADC12)				
Painting		RAL 9005 Black, RAL 9006 Silver, RAL 9007gray, Custom request				
Surface Treatment		Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).				
Cable		Pre-wired with a 30 cm cable (Other lengths on request)				
Mounting		Side Entry/Post Top, (Φ42~60mm pole), custom request				
Others						
Lifespan		L70 > 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		602*270*96mm/23.7*10.63*3.78"				
Net Weight		4.8kg/10.58lbs				
Standard Package Size & Gross Weight		625*280*125mm/24.61*11.02*4.92", Gross weight: 5.5KG/12.13lbs				
Optional Package Size & Gross Weight		655*320*150mm/25.79*12.6*5.91", Gross weight: 5.9KG/13.01lbs				
Recommend Installation Height		General 4-12m, based on actual project requirements				
Standard Accessories		SPD 10KV, Breather vent, Level bubble				
Optional Accessories		Circuit breaker,SPD 20KV, Nema photoelectric control socket, Nameplate,Shorting cap,Lens cover Photoelectric controller, Zhaga socket, PIR sensor, Microwave sensor, Support rod, Safety rope.				
Important Note!		The provided parameters are solely for design reference; the official measurement report holds higher and final authority.				

Parameter Table

Electrical Data								
Model	AOK-iLH(XXL)-(240-300W)							
Power	240W	250W	260W	270W	280W	290W	300W	
Input Voltage	100-277VAC / 220-240VAC							
THD (220Vac)	≤10%							
PF (220Vac)	≥0.95							
Driver	Moso/Inventronics, Sosen/Class 1, (Philips) /Class 1, Class 2							
Operating Temperature	-40°C to 50°C (-40 °F to 122 °F)							
Control Option	DALI, 0/1-10V, PWM, timer dimming							
Surge Protection	10kV / 20kV optional							
Photometric Data								
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)	T2(100°160°)	173lm/W	172lm/W	172lm/W	171lm/W	171lm/W	170lm/W	170lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)	T2(100°160°)	41520lm	43000lm	44720lm	46170lm	47880lm	49300lm	51000lm
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)-5050	T2(85°160°)	185lm/W	184lm/W	183lm/W	182lm/W	182lm/W	181lm/W	180lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)-5050	T2(85°160°)	44400lm	46000lm	47580lm	49140lm	50960lm	52490lm	54000lm
ULR	= 0%, @ Luminaire inclination 0°							
CCT	2700K, 3000K, 4000K, 5000K, 5700K, 6500K							
CRI	70Ra, 80Ra, 90Ra optional							
Beam Angle	Type II (100°160°, 85°160°), customization acceptable							
LED Manufacturer	Other brands, customization acceptable, please request							
LED Model	2835 / 3030 / 5050							
Lens	Polycarbonate+tempered glass(4/5 mm thick)							
Mechanical Data								
IP/IK	Optical systems maintain at IP66, IK08/IK09, according to standard EN 60529 and EN 62262							
Vibration Resistance	5G rated, conform to standard IEC 68-2-6.							
SCx	0.184m² (top view), 0.032m² (side view)							
Materials	Heavy-duty die-cast aluminum (ADC12)							
Painting	RAL 9005 Black, RAL 9006 Silver, RAL 9007gray, Custom request							
Surface Treatment	Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).							
Cable	Pre-wired with a 30 cm cable (Other lengths on request)							
Mounting	Side Entry/Post Top, (Φ42~60mm pole), custom request							
Others								
Lifespan	L70 > 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	715*290*96mm/28.15*11.42*3.78"							
Net Weight	7.5kg/16.53lbs							
Standard Package Size & Gross Weight	740*300*125mm/29.13*11.81*4.92", Gross weight: 8.5KG/18.74lbs							
Optional Package Size & Gross Weight	770*340*150mm/30.31*13.39*5.91", Gross weight: 9KG/19.84lbs							
Recommend Installation Height	General 4-12m, based on actual project requirements							
Standard Accessories	SPD 10KV, Breather vent, Level bubble							
Optional Accessories	Circuit breaker,SPD 20KV, Nema photoelectric control socket, Nameplate,Shorting cap,Lens cover Photoelectric controller, Zhaga socket, PIR sensor, Microwave sensor, Support rod, Safety rope.							

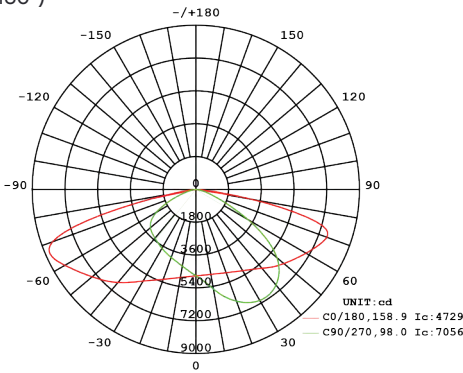
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Ordering Information

AOK								
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	HOUSING	OPTIONS
20WILH(S)	NV1=100-277V	A2=2835	00=Without Sensor	xx70=xx00K 70CRI	T2 (100°160°)	A=Side Entry	SL=Silver	10KV SPD
30WILH(S)	NV2=220-240V	A3=3030	PH=Photocell	xx80=xx00K 80CRI	T2 (85°160°)	B=Post Top	GR=Gray	20KV SPD
40WILH(S)		A5=5050	DV=Dimmable	xx90=xx00K 90CRI			BK=Black	Zhaga receptacle
50WILH(S)				xx=(27/30/40/50/57/65)			Custom request	Nema socket
60WILH(S)								Custom request
70WILH(M)								
80WILH(M)								
90WILH(M)								
100WILH(M)								
110WILH(M)								
120WILH(L)								
130WILH(L)								
140WILH(L)								
150WILH(L)								
160WILH(XL)								
170WILH(XL)								
180WILH(XL)								
190WILH(XL)								
200WILH(XL)								
240WILH(XXL)								
250WILH(XXL)								
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270WILH(XXL)								
280WILH(XXL)								
290WILH(XXL)								
300WILH(XXL)								

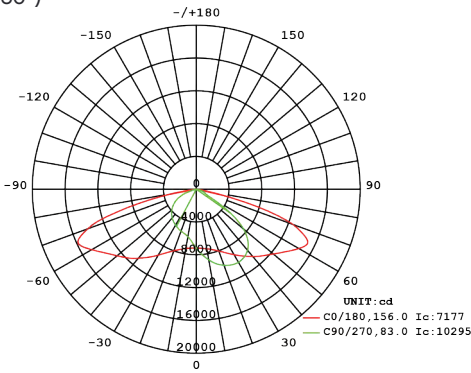
Photometrics & Illuminance Diagram

T2 (100°160°)

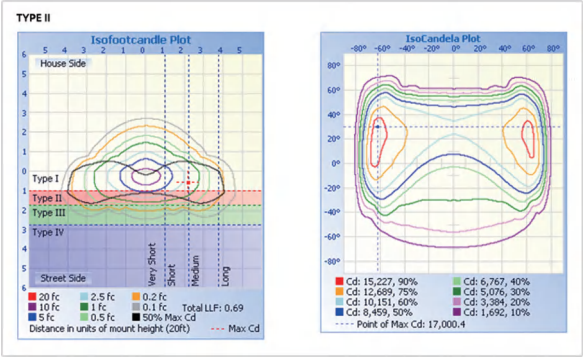
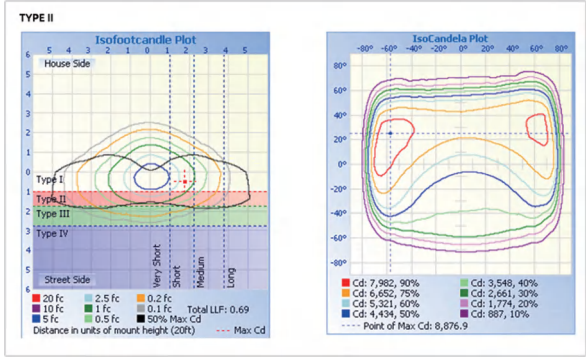


AVERAGE BEAM ANGLE (50%): 128.4 DEG

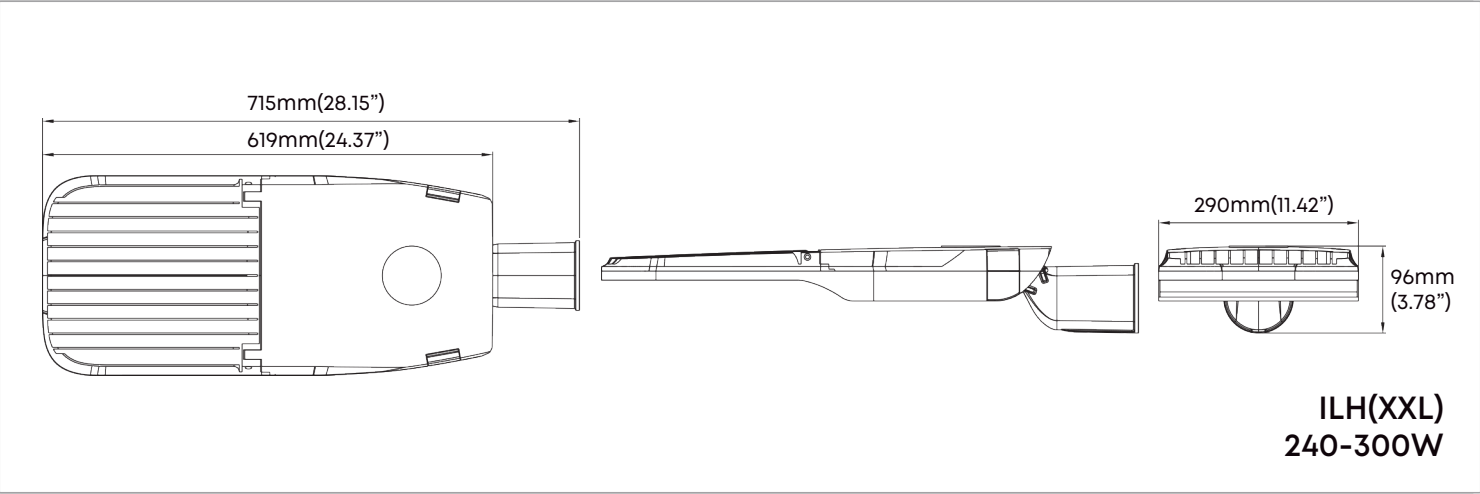
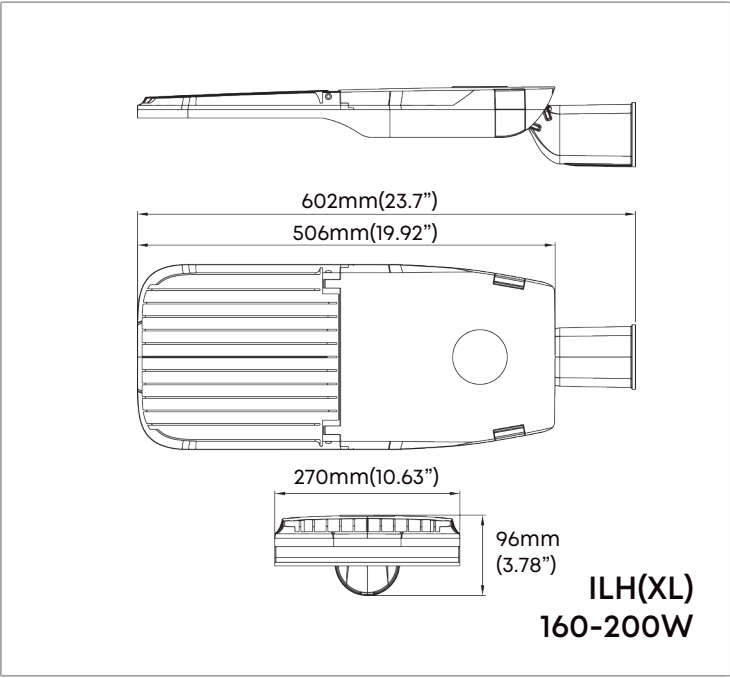
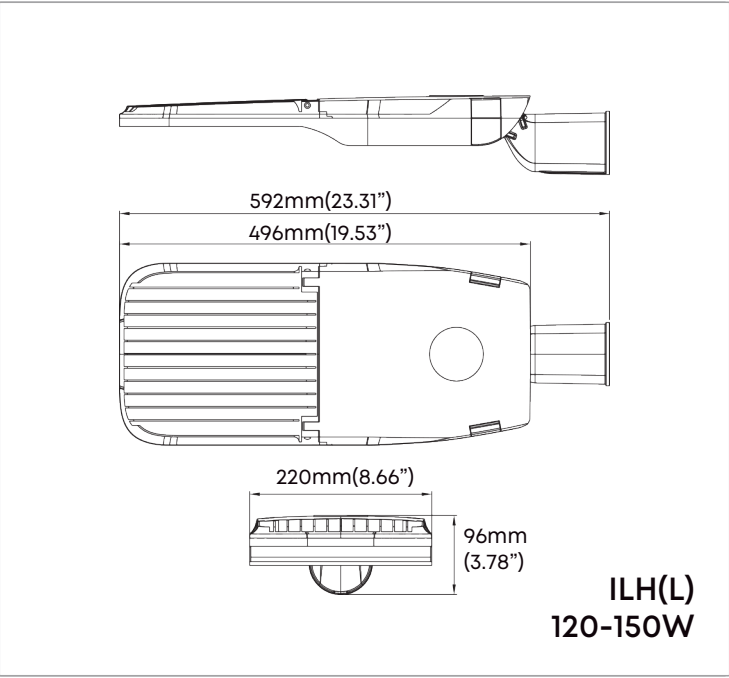
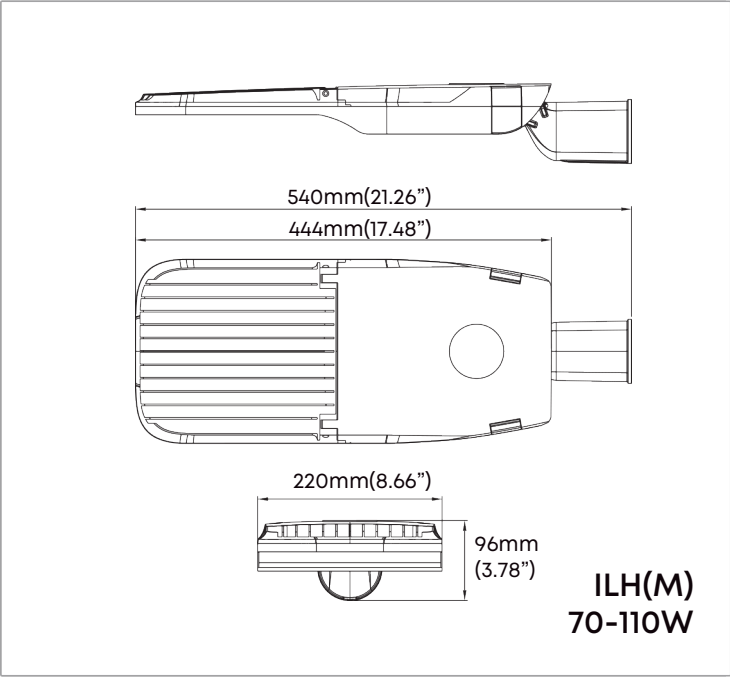
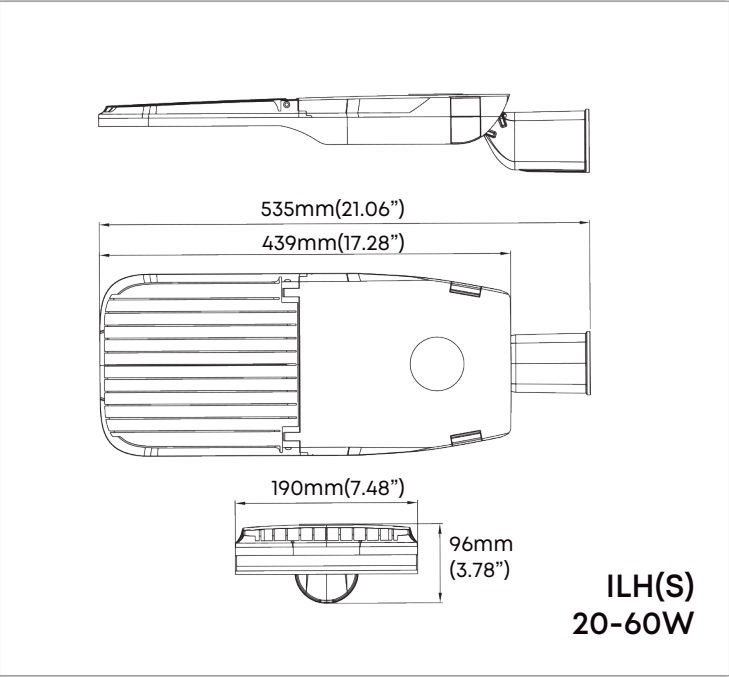
T2 (85°160°)



AVERAGE BEAM ANGLE (50%): 119.5 DEG



Dimensions





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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Manufacturing:

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