

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



High Lumen Output

Up to **54,000** lm

ILA Series LED Street Light

Power: 20W - 300W



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

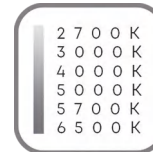
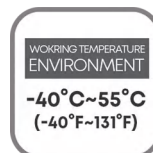
New Generation **ILA** Street Light



>> **Standard** Solution



>> **Ring Compression**
Solution Optional



● **WARRANTY**

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

- Power range: from 20W to 300W, Class I or Class II.
- System efficiency up to 190lm/W, high lumen output, precise light pattern ensures more energy saved.
- Premium optical-grade Mitsubishi polycarbonate lens delivers a high optical efficiency and has superior resistance to age-related deterioration or environmental threats such as heat, cold, sunlight or moisture.
- Micro-lens systems IESNA Type II, Type III, Type IV distributions.
- Excellent uniformity and low glare provide maximum comfort and environmental friendliness.
- Optical systems maintain an IP66 rating, with tempered glass cover (≈5mm).
- Available in 2700K, 3000K, 4000K, 5000K, 5700K, 6500K CCT.
- ULOR =0%, no up-light pollution.
- CRI of 70 Ra, 80 Ra, and 90 Ra optional.
- Anti-UV thermosetting polyester finish. Rugged, weather-tight design and 5G Vibration ratings ensure durability even in harsh environments.

Reasons for **opting** ILA Series

-  Tool-less opening, lower maintenance costs
-  Long lifespan, reliable performance stability
-  Higher brightness and better distribution enhance road safety
-  Energy-saving and eco-friendly, saving project expenses
-  Smart control ready for efficient management



Auto Cut-off



5G Test Rating



Tempered Glass



Self-Clean Cover



DALI Control



Photocell



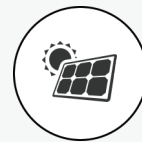
Casambi
Supported



Zhaga
Supported



Smart Control
Ready



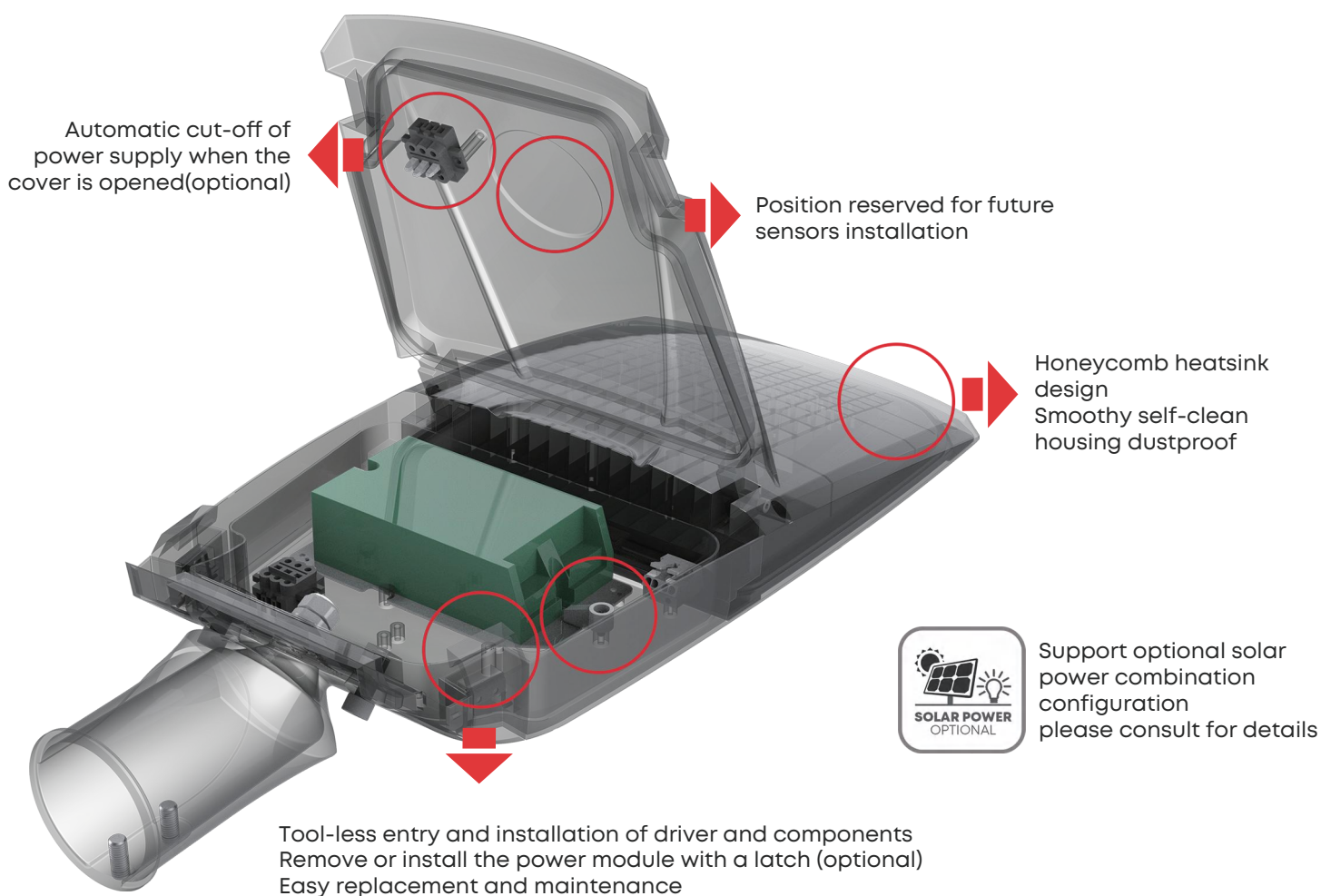
Solar Power
Optional

Tool-less Cover Opening

Lower Maintenance Costs



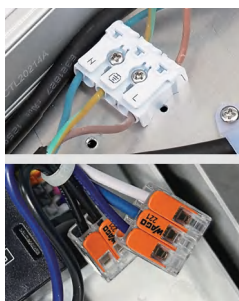
The streamlined design of ILA series street lights improves wind resistance. Its user-friendly maintenance and replacement design cut fixture maintenance costs, reducing both personnel and financial investments significantly.



· Dual-layer structure design, enhanced water resistance.



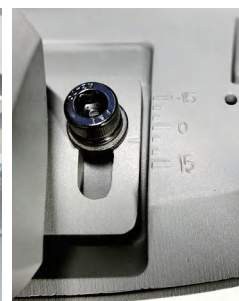
· High quality silicone gasket, improved sealing performance.



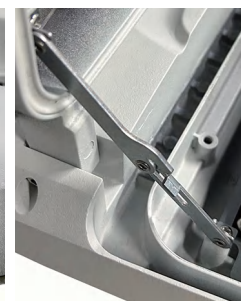
· High-quality terminal wiring ensures reliability and safety. (Optional)



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



· Adjustable bracket ± 15 degrees.



· Support rod for convenient maintenance. (Optional)



Superior LED Module

Animals & Insects Friendly
2200K-2700K
CCT available

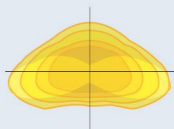
Choose between LEDs in 3030 or 5050 solutions for uniform street light distribution.

Customize for common or private mode light distribution as needed.

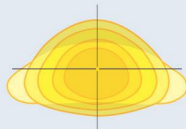


No photo-biological risk (no risk associated with infrared, blue light, or UV radiation), in compliance with **EN 62471:2008**.

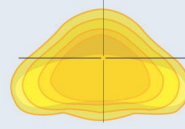
TYPE II (T201)
(85°*150°)



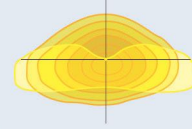
TYPE II (T211)
(110°*155°)



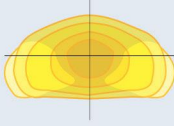
TYPE II (T221)
(75°*150°)



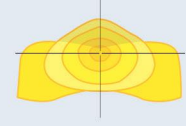
TYPE II (T231)
(100°*160°)



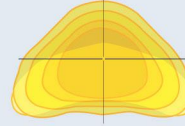
TYPE III (T301)
(100°*160°)



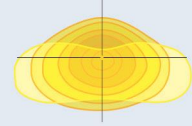
TYPE III (T311)
(90°*150°)



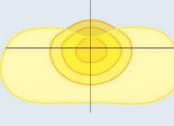
TYPE III (T321)
(100°*145°)



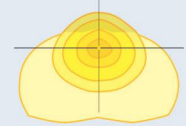
TYPE III (T331)
(120°*160°)



TYPE IV (T401)
(125°*160°)



TYPE IV (T411)
(115°*145°)



* 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.

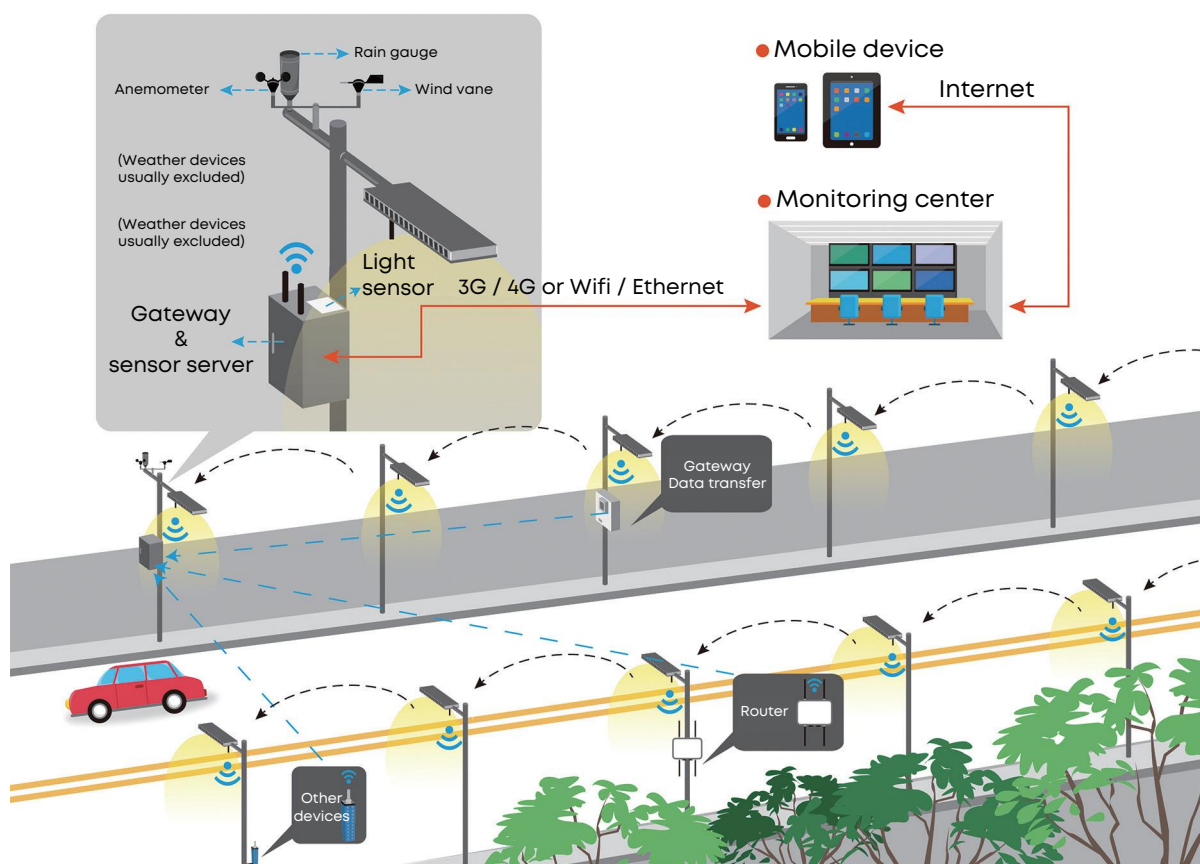
Smart Control Ready For Efficient Management



ILA is **connected-ready** and can operate with various sensors and control systems.

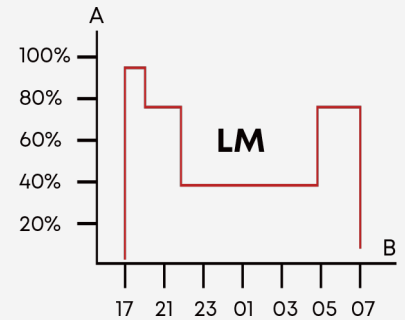


Typical IoT **Demonstration**



Custom Dimming Profile

Smart luminaire drivers enable the programming of complex dimming profiles without extra wiring. Customized time intervals and light levels contribute to maximum energy savings, maintaining 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.

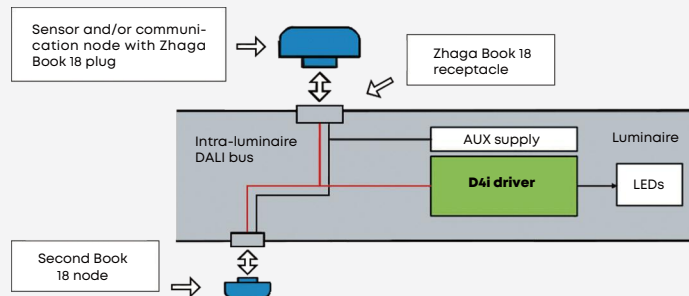


Smart standards. Smarter lighting.

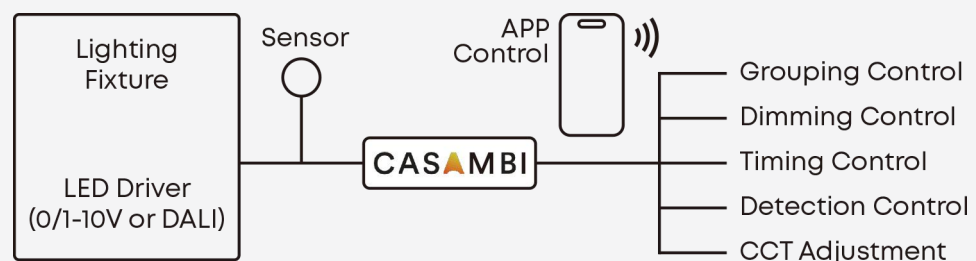
LoRaWAN® Luminaire Controller Zhaga is a wireless device for remote LED luminaire control with a Zhaga-compliant connector and DALI interface. It's compatible with LoRaWAN®, NB-IoT, and LTE-M networks, featuring a modern, compact design suitable for various street lighting modules.

LoRaWAN® Luminaire Controller NEMA is designed for LED luminaires with an ANSI C136.41 NEMA receptacle. It controls the luminaire through DALI or 0-10V analog interfaces and provides a secure power connection with three robust twist lock contacts.

Outdoor Luminaire with Zhaga Receptacles (optional)



Casambi Ready (optional)

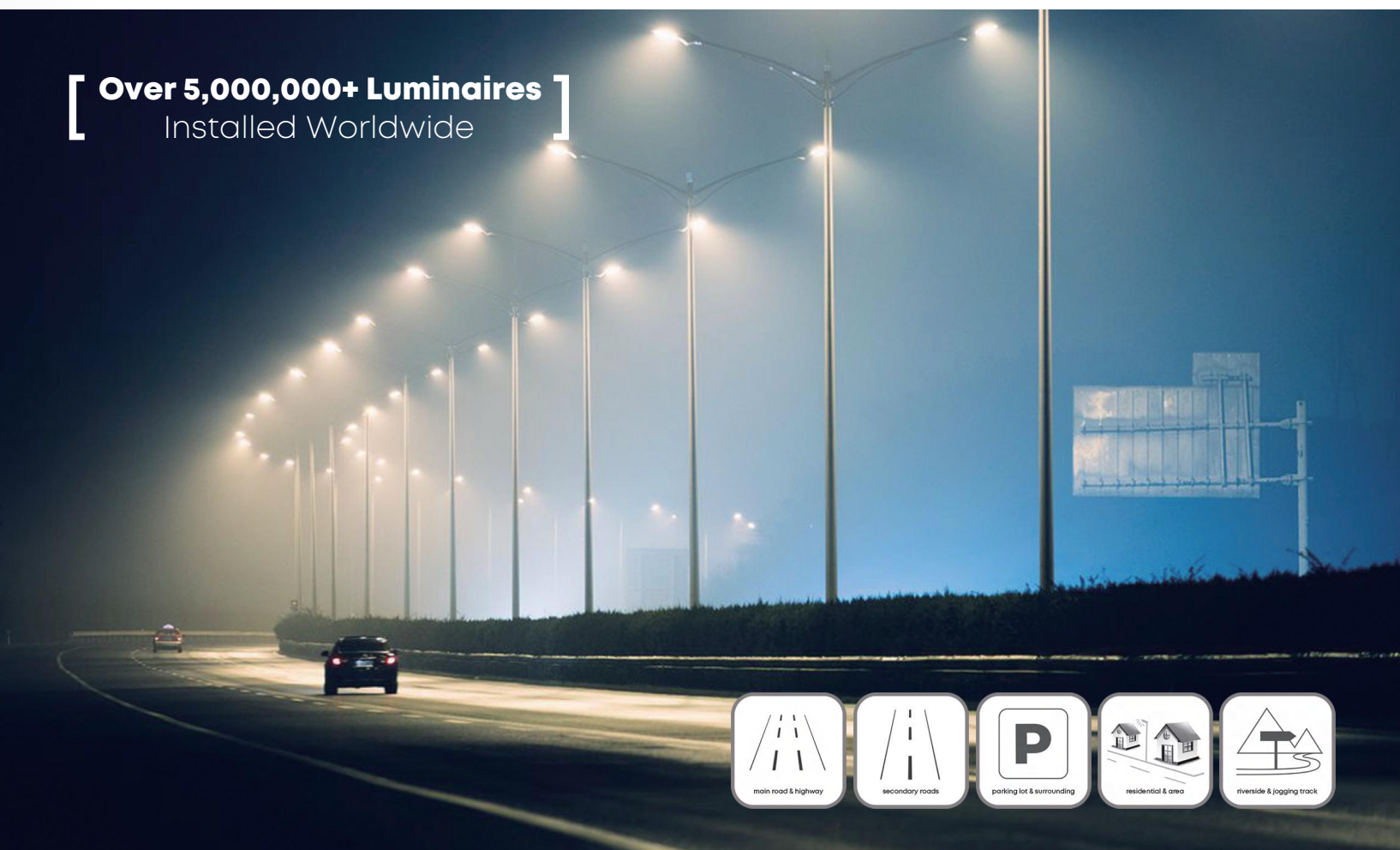


Application Reference

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



[Over 5,000,000+ Luminaires]
Installed Worldwide



Parameter Table

Electrical Specifications											
Model	AOK-20WILA		AOK-30WILA		AOK-40WILA		AOK-50WILA		AOK-60WILA		
Power(W)	20W		30W		40W		50W		60W		
Input Voltage	100-277Vac, 50/60Hz										
THD(220Vac)	≤10%										
PF(220Vac)	≥0.95		≥0.95		≥0.95		≥0.95		≥0.95		
Driver Brand	Inventronics/Class 1, (Sosen, Philips, OSRAM, Moso) / Class 1, Class 2, EU										
Ambient Temperature	-40°C to 55°C (-40 °F to 131 °F)										
Storage Temperature	-40°C to 80°C (-40 °F to 176 °F)										
Control Option	DALI-2, D4i,1-10V/ PWM / Timer dimming, Nema, Presence detection sensor. Dim-to-Off with standby power <= 0.5W.										
Surge Protection	10kV / 20kV optional										
Photometric Specifications											
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)	T201-12in1 (85°150°)	150lm/W	141lm/W	150lm/W	145lm/W	141lm/W					
	T211-12in1 (110°155°)	150lm/W	141lm/W	150lm/W	145lm/W	141lm/W					
	T301-12in1 (100°160°)	145lm/W	136lm/W	145lm/W	140lm/W	136lm/W					
	T311-12in1 (90°150°)	150lm/W	141lm/W	150lm/W	145lm/W	141lm/W					
	T411-12in1 (115°145°)	150lm/W	141lm/W	150lm/W	145lm/W	141lm/W					
	T221-16in1 (75°150°)	154lm/W	148lm/W	154lm/W	151lm/W	148lm/W					
	T321-16in1 (100°145°)	154lm/W	148lm/W	154lm/W	151lm/W	148lm/W					
	T231-24in1 (100°160°)	156lm/W	152lm/W	156lm/W	154lm/W	152lm/W					
	T331-24in1 (120°160°)	156lm/W	152lm/W	156lm/W	154lm/W	152lm/W					
	T401-24in1 (125°160°)	156lm/W	152lm/W	156lm/W	154lm/W	152lm/W					
	T231-24in1-Pro (100°160°)	162lm/W	158lm/W	162lm/W	160lm/W	158lm/W					
	T331-24in1-Pro (120°160°)	162lm/W	158lm/W	162lm/W	160lm/W	158lm/W					
	T401-24in1-Pro (125°160°)	162lm/W	158lm/W	162lm/W	160lm/W	158lm/W					
	T2/T3@Seoul 5050	162lm/W	160lm/W	164lm/W	162lm/W	160lm/W					
	T2/T3/T5@A5050	190lm/W	185lm/W	190lm/W	188lm/W	186lm/W					
Luminous flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)	T201-12in1 (85°150°)	3000lm	4230lm	6000lm	7250lm	8460lm					
	T211-12in1 (110°155°)	3000lm	4230lm	6000lm	7250lm	8460lm					
	T301-12in1 (100°160°)	2900lm	4080lm	5800lm	7000lm	8160lm					
	T311-12in1 (90°150°)	3000lm	4230lm	6000lm	7250lm	8460lm					
	T411-12in1 (115°145°)	3000lm	4230lm	6000lm	7250lm	8460lm					
	T221-16in1 (75°150°)	3080lm	4440lm	6160lm	7550lm	8880lm					
	T321-16in1 (100°145°)	3080lm	4440lm	6160lm	7550lm	8880lm					
	T231-24in1 (100°160°)	3120lm	4560lm	6240lm	7700lm	9120lm					
	T331-24in1 (120°160°)	3120lm	4560lm	6240lm	7700lm	9120lm					
	T401-24in1 (125°160°)	3120lm	4560lm	6240lm	7700lm	9120lm					
	T231-24in1-Pro (100°160°)	3240lm	4740lm	6480lm	8000lm	9480lm					
	T331-24in1-Pro (120°160°)	3240lm	4740lm	6480lm	8000lm	9480lm					
	T401-24in1-Pro (125°160°)	3240lm	4740lm	6480lm	8000lm	9480lm					
	T2/T3@Seoul 5050	3240lm	4800lm	6560lm	8100lm	9600lm					
	T2/T3/T5@A5050	3800lm	5550lm	7600lm	9400lm	11160lm					
ULOR	= 0%, @ Luminaire inclination 0°										
CCT	2700K, 3000K, 4000K, 5000K, 5700K, 6500K										
CRI	70Ra, 80Ra, 90Ra										
Beam Angle	Type-II (85°150°, 110°155°, 75°150°, 100°160°) / Type III (100°160°, 90°150°, 100°145°, 120°160°) / Type IV (125°160°, 90°150°)										
LED Manufacturer	LUMILEDS/Seoul/Others										
LED Model	Lumileds 3030, 5050 / Seoul 3030, 5050 / A5050										
Lens	Polycarbonate+tempered glass (4 mm thick)										
Mechanical Specifications											
IP/IK	IP66/IK09, according to standard EN 60529 and EN 62262										
Vibration Resistance	3G, conform to standard IEC 68-2-6.										
SCx (EPA)	0.0914m² (top view), 0.029m² (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 9005 Black, RAL 9006 Silver, RAL 9007gray, Custom request										
Cable	Pre-wired with a 50 cm cable (Other lengths on request)										
Mounting	Post Top/Side Entry(ø42~60mm pole, ø76mm optional)										
Others											
Lifespan	L70 > 100000hrs, @Ta 25°C										
Warranty	5 years in standard, 10 years optional										
Certification	CE, RoHS,For other certificates please request										
Product Size	537*210*88mm / 21.14*8.27*3.46 inches										
Net Weight	3.4kg / 7.50 lbs										
Carton Size	590*255*145mm / 23.23*10.04*5.71inches										
Gross Weight	4.3kg / 9.48 lbs										
Recommend Installation Height	General 4-12m, based on actual project requirements										
Application Field	Road & highway, urban road & street, residential area, parks, parking lot, riverside & jogging track										
Standard Accessories	Standard SPD 10kV (EU)										
Optional Accessories	Lid support, Circuit breaker,SPD 20KV, Breather vent, Nema photoelectric control socket, Photoelectric controller, Zhaga socket, PIR sensor, Microwave sensor.										
Important Note!	The provided information is solely for reference; the official measurement report holds higher authority.										

Parameter Table

Electrical Specifications											
Model	AOK-70WILA		AOK-80WILA		AOK-90WILA		AOK-100WILA		AOK-110WILA		
Power(W)	70W		80W		90W		100W		110W		
Input Voltage	100-277Vac, 50/60Hz										
THD(220Vac)	≤10%										
PF(220Vac)	≥0.95		≥0.95		≥0.95		≥0.95		≥0.95		
Driver Brand	Inventronics/Class 1, (Sosen, Philips, OSRAM, Moso) / Class 1, Class 2, EU										Sosen, Philips, OSRAM, Moso / Class 1, Class 2
Ambient Temperature	-40°C to 55°C (-40 °F to 131 °F)										
Storage Temperature	-40°C to 80°C (-40 °F to 176 °F)										
Control Option	DALI-2, D4i,1-10V/ PWM / Timer dimming, Nema, Presence detection sensor. Dim-to-Off with standby power <= 0.5W.										
Surge Protection	10kV / 20kV optional										
Photometric Specifications											
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)	T201-12in1 (85°150°)	147lm/W	144lm/W	141lm/W	135lm/W	132lm/W					
	T211-12in1 (110°155°)	147lm/W	144lm/W	141lm/W	135lm/W	132lm/W					
	T301-12in1 (100°160°)	142lm/W	139lm/W	136lm/W	130lm/W	127lm/W					
	T311-12in1 (90°150°)	147lm/W	144lm/W	141lm/W	135lm/W	132lm/W					
	T411-12in1 (115°145°)	147lm/W	144lm/W	141lm/W	135lm/W	132lm/W					
	T221-16in1 (75°150°)	154lm/W	151lm/W	148lm/W	145lm/W	142lm/W					
	T321-16in1 (100°145°)	154lm/W	151lm/W	148lm/W	145lm/W	142lm/W					
	T231-24in1 (100°160°)	158lm/W	156lm/W	154lm/W	152lm/W	150lm/W					
	T331-24in1 (120°160°)	158lm/W	156lm/W	154lm/W	152lm/W	150lm/W					
	T401-24in1 (125°160°)	158lm/W	156lm/W	154lm/W	152lm/W	150lm/W					
	T231-24in1-Pro (100°160°)	164lm/W	162lm/W	160lm/W	158lm/W	155lm/W					
	T331-24in1-Pro (120°160°)	164lm/W	162lm/W	160lm/W	158lm/W	155lm/W					
	T401-24in1-Pro (125°160°)	164lm/W	162lm/W	160lm/W	158lm/W	155lm/W					
	T2/T3@Seoul 5050	163lm/W	162lm/W	161lm/W	160lm/W	159lm/W					
	T2/T3/T5@A5050	190lm/W	188lm/W	187lm/W	186lm/W	185lm/W					
Luminous flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)	T201-12in1 (85°150°)	10290lm	11520lm	12690lm	13500lm	14520lm					
	T211-12in1 (110°155°)	10290lm	11520lm	12690lm	13500lm	14520lm					
	T301-12in1 (100°160°)	9940lm	11120lm	12240lm	13000lm	13970lm					
	T311-12in1 (90°150°)	10290lm	11520lm	12690lm	13500lm	14520lm					
	T411-12in1 (115°145°)	10290lm	11520lm	12690lm	13500lm	14520lm					
	T221-16in1 (75°150°)	10780lm	12080lm	13320lm	14500lm	15620lm					
	T321-16in1 (100°145°)	10780lm	12080lm	13320lm	14500lm	15620lm					
	T231-24in1 (100°160°)	11060lm	12480lm	13860lm	15200lm	16500lm					
	T331-24in1 (120°160°)	11060lm	12480lm	13860lm	15200lm	16500lm					
	T401-24in1 (125°160°)	11060lm	12480lm	13860lm	15200lm	16500lm					
	T231-24in1-Pro (100°160°)	11480lm	12960lm	14400lm	15800lm	17050lm					
	T331-24in1-Pro (120°160°)	11480lm	12960lm	14400lm	15800lm	17050lm					
	T401-24in1-Pro (125°160°)	11480lm	12960lm	14400lm	15800lm	17050lm					
	T2/T3@Seoul 5050	11410lm	12960lm	14490lm	16000lm	17490lm					
	T2/T3/T5@A5050	13300lm	15040lm	16830lm	18600lm	20350lm					
ULOR	= 0%, @ Luminaire inclination 0°										
CCT	2700K, 3000K, 4000K, 5000K, 5700K, 6500K										
CRI	70Ra, 80Ra, 90Ra										
Beam Angle	Type-II (85°150°, 110°155°, 75°150°, 100°160°) / Type III (100°160°, 90°150°, 100°145°, 120°160°) / Type IV (125°160°, 90°150°)										
LED Manufacturer	LUMILEDS/Seoul/Others										
LED Model	Lumileds 3030, 5050 / Seoul 3030, 5050 / A5050										
Lens	Polycarbonate+tempered glass (4 mm thick)										
Mechanical Specifications											
IP/IK	IP66/IK09, according to standard EN 60529 and EN 62262										
Vibration Resistance	3G, conform to standard IEC 68-2-6.										
SCx (EPA)	0.103m² (top view), 0.031m² (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 9005 Black, RAL 9006 Silver, RAL 9007gray, Custom request										
Cable	Pre-wired with a 50 cm cable (Other lengths on request)										
Mounting	Post Top/Side Entry(ø42~60mm pole, ø76mm optional)										
Others											
Lifespan	L70 > 100000hrs, @Ta 25°C										
Warranty	5 years in standard, 10 years optional										
Certification	CE, RoHS,For other certificates please request										
Product Size	567*228*88mm / 22.32*8.98*3.46 inches										
Net Weight	4kg / 8.82 lbs										
Carton Size	620*265*145mm / 24.41*10.43*5.71 inches										
Gross Weight	5kg / 11.02 lbs										
Recommend Installation Height	General 4-12m, based on actual project requirements										
Application Field	Road & highway, urban road & street, residential area, parks, parking lot, riverside & jogging track										
Standard Accessories	Standard SPD 10kV (EU)										
Optional Accessories	Lid support, Circuit breaker,SPD 20KV, Breather vent, Nema photoelectric control socket, Photoelectric controller, Zhaga socket, PIR sensor, Microwave sensor.										
Important Note!	The provided information is solely for reference; the official measurement report holds higher authority.										

Parameter Table

Electrical Specifications									
Model		AOK-120WILA	AOK-130WILA	AOK-140WILA	AOK-150WILA	AOK-160WILA	AOK-170WILA	AOK-180WILA	AOK-200WILA
Power(W)		120W	130W	140W	150W	160W	170W	180W	200W
Input Voltage		100-277Vac, 50/60Hz							
THD(220Vac)		≤10%							
PF(220Vac)		≥0.95	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95
Driver Brand		Inventronics/Class 1, (Sosen, Philips, OSRAM, Moso) / Class 1, Class 2, EU						Sosen, Philips, OSRAM, Moso / Class 1, Class 2	
Ambient Temperature		-40°C to 55°C (-40 °F to 131 °F)					-40°C to 45°C (-40 °F to 113 °F)		
Storage Temperature		-40°C to 80°C (-40 °F to 176 °F)							
Control Option		DALI-2, D4i,1-10V/ PWM / Timer dimming, Nema, Presence detection sensor. Dim-to-Off with standby power <= 0.5W.							
Surge Protection		10kV / 20kV optional							
Photometric Specifications									
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)	T201-12in1 (85°150°)	146lm/W	143lm/W	142lm/W	141lm/W	none	none	none	none
	T211-12in1 (110°155°)	146lm/W	143lm/W	142lm/W	141lm/W	none	none	none	none
	T301-12in1 (100°160°)	141lm/W	138lm/W	137lm/W	136lm/W	none	none	none	none
	T311-12in1 (90°150°)	146lm/W	143lm/W	142lm/W	141lm/W	none	none	none	none
	T411-12in1 (115°145°)	146lm/W	143lm/W	142lm/W	141lm/W	none	none	none	none
	T221-16in1 (75°150°)	153lm/W	150lm/W	147lm/W	144lm/W	141lm/W	138lm/W	135lm/W	none
	T321-16in1 (100°145°)	153lm/W	150lm/W	147lm/W	144lm/W	141lm/W	138lm/W	135lm/W	none
	T231-24in1 (100°160°)	158lm/W	157lm/W	155lm/W	154lm/W	150lm/W	147lm/W	143lm/W	none
	T331-24in1 (120°160°)	158lm/W	157lm/W	155lm/W	154lm/W	150lm/W	147lm/W	143lm/W	none
	T401-24in1 (125°160°)	158lm/W	157lm/W	155lm/W	154lm/W	150lm/W	147lm/W	143lm/W	none
	T231-24in1-Pro (100°160°)	164lm/W	163lm/W	161lm/W	160lm/W	156lm/W	153lm/W	150lm/W	none
	T331-24in1-Pro (120°160°)	164lm/W	163lm/W	161lm/W	160lm/W	156lm/W	153lm/W	150lm/W	none
	T401-24in1-Pro (125°160°)	164lm/W	163lm/W	161lm/W	160lm/W	156lm/W	153lm/W	150lm/W	none
	T2/T3@Seoul 5050	161lm/W	160lm/W	159lm/W	158lm/W	157lm/W	156lm/W	155lm/W	154lm/W
T2/T3/T5@A5050	187lm/W	186lm/W	185lm/W	184lm/W	182lm/W	181lm/W	180lm/W	177lm/W	
Luminous flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)	T201-12in1 (85°150°)	17520lm	18590lm	19880lm	21150lm	none	none	none	none
	T211-12in1 (110°155°)	17520lm	18590lm	19880lm	21150lm	none	none	none	none
	T301-12in1 (100°160°)	16920lm	17940lm	19180lm	20400lm	none	none	none	none
	T311-12in1 (90°150°)	17520lm	18590lm	19880lm	21150lm	none	none	none	none
	T411-12in1 (115°145°)	17520lm	18590lm	19880lm	21150lm	none	none	none	none
	T221-16in1 (75°150°)	18360lm	19500lm	20580lm	21600lm	22560lm	23460lm	24300lm	none
	T321-16in1 (100°145°)	18360lm	19500lm	20580lm	21600lm	22560lm	23460lm	24300lm	none
	T231-24in1 (100°160°)	18960lm	20410lm	21700lm	23100lm	24000lm	24990lm	25740lm	none
	T331-24in1 (120°160°)	18960lm	20410lm	21700lm	23100lm	24000lm	24990lm	25740lm	none
	T401-24in1 (125°160°)	18960lm	20410lm	21700lm	23100lm	24000lm	24990lm	25740lm	none
	T231-24in1-Pro (100°160°)	19680lm	21190lm	22540lm	24000lm	24960lm	26010lm	27000lm	none
	T331-24in1-Pro (120°160°)	19680lm	21190lm	22540lm	24000lm	24960lm	26010lm	27000lm	none
	T401-24in1-Pro (125°160°)	19680lm	21190lm	22540lm	24000lm	24960lm	26010lm	27000lm	none
	T2/T3@Seoul 5050	19320lm	20800lm	22260lm	23700lm	25120lm	26520lm	27900lm	30800lm
T2/T3/T5@A5050	22440lm	24180lm	25900lm	27600lm	29120lm	30770lm	32400lm	35400lm	
ULOR		= 0%, @ Luminaire inclination 0°							
CCT		2700K, 3000K, 4000K, 5000K, 5700K, 6500K							
CRI		70Ra, 80Ra, 90Ra							
Beam Angle		Type-II (85°150°, 110°155°, 75°150°, 100°160°) / Type III (100°160°, 90°150°, 100°145°, 120°160°) / Type IV (125°160°, 90°150°)							
LED Manufacturer		LUMILEDS/Seoul/Others							
LED Model		Lumileds 3030, 5050 / Seoul 3030, 5050 / A5050							
Lens		Polycarbonate+tempered glass (4 mm thick)							
Mechanical Specifications									
IP/IK		IP66/IK08, according to standard EN 60529 and EN 62262							
Vibration Resistance		3G, conform to standard IEC 68-2-6.							
SCx (EPA)		0.134m² (top view), 0.035m² (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 9005 Black, RAL 9006 Silver, RAL 9007gray, Custom request							
Cable		Pre-wired with a 50 cm cable (Other lengths on request)							
Mounting		Post Top/Side Entry(ø42~60mm pole, ø76mm optional)							
Others									
Lifespan		L70 > 100000hrs, @Ta 25°C							
Warranty		5 years in standard, 10 years optional							
Certification		CE, RoHS.For other certificates please request							
Product Size		632*259*89mm / 24.88*10.2*3.5 inches							
Net Weight		6.0kg / 13.23 lbs							
Carton Size		695*310*150mm / 27.36*12.2*5.91 inches							
Gross Weight		7.2kg / 13.67 lbs							
Recommend Installation Height		General 4-12m, based on actual project requirements							
Application Field		Road & highway, urban road & street, residential area, parks, parking lot, riverside & jogging track							
Standard Accessories		Standard SPD 10kV (EU)							
Optional Accessories		Lid support, Circuit breaker,SPD 20KV, Breather vent, Nema photoelectric control socket, Photoelectric controller, Zhaga socket, PIR sensor, Microwave sensor.							

Parameter Table

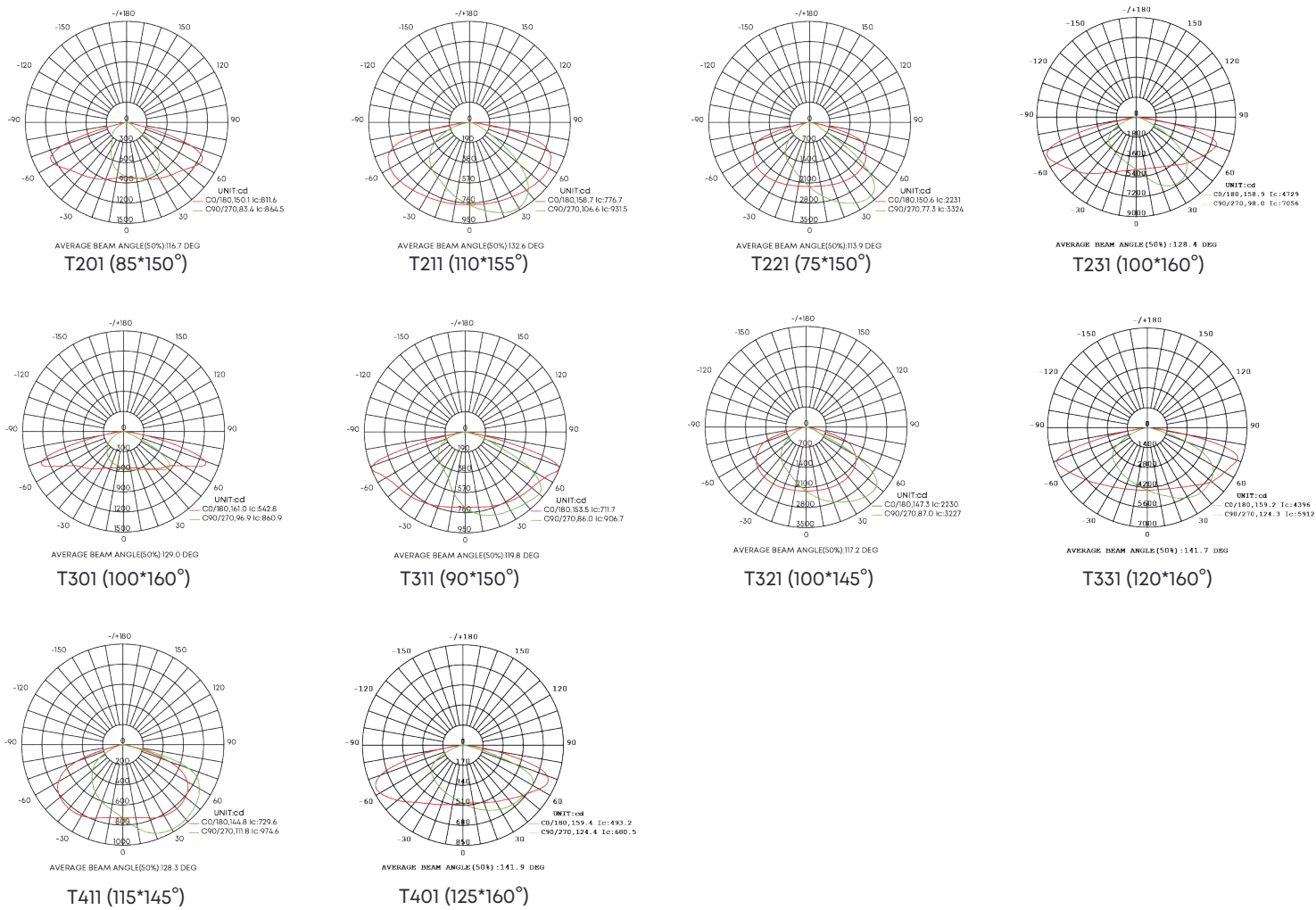
Electrical Data								
Model	AOK-240WiLA		AOK-250WiLA	AOK-260WiLA	AOK-270WiLA	AOK-280WiLA	AOK-290WiLA	AOK-300WiLA
Power	240W		250W	260W	270W	280W	290W	300W
Input Voltage	100-277VAC / 220-240VAC							
THD (220Vac)	≤10%							
PF (220Vac)	≥0.95							
Driver	Moso/Inventronics、Sosen/Class 1, (Philips、uPowerTek) /Class 1、Class 2							
Operating Temperature	-40°C to 55°C (-40 °F to 131 °F)		-40°C to 50°C (-40 °F to 122 °F) (Note: 3030 LED Chips, 280-300W is -40 °C to 45 °C)					
Control Option	DALI-2, D4i,0/1-10V, PWM, timer dimming							
Surge Protection	10kV / 20kV optional							
Photometric Specifications								
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)	T201-12in1 (85°150°)	140lm/W	138lm/W	137lm/W	-	-	-	-
	T211-12in1 (110°155°)	140lm/W	138lm/W	137lm/W	-	-	-	-
	T301-12in1 (100°160°)	135lm/W	133lm/W	132lm/W	-	-	-	-
	T311-12in1 (90°150°)	140lm/W	138lm/W	137lm/W	-	-	-	-
	T411-12in1 (115°145°)	140lm/W	138lm/W	137lm/W	-	-	-	-
	T221-16in1 (75°150°)	150lm/W	149lm/W	148lm/W	146lm/W	144lm/W	-	-
	T321-16in1 (100°145°)	150lm/W	149lm/W	148lm/W	146lm/W	144lm/W	-	-
	T231-24in1 (100°160°)	157lm/W	156lm/W	155lm/W	154lm/W	153lm/W	152lm/W	150lm/W
	T331-24in1 (120°160°)	157lm/W	156lm/W	155lm/W	154lm/W	153lm/W	152lm/W	150lm/W
	T401-24in1 (125°160°)	157lm/W	156lm/W	155lm/W	154lm/W	153lm/W	152lm/W	150lm/W
	T231-24in1-Pro	163lm/W	162lm/W	161lm/W	160lm/W	159lm/W	158lm/W	156lm/W
	T331-24in1-Pro	163lm/W	162lm/W	161lm/W	160lm/W	159lm/W	158lm/W	156lm/W
T401-24in1-Pro	163lm/W	162lm/W	161lm/W	160lm/W	159lm/W	158lm/W	156lm/W	
T2/T3@Seoul 5050	164lm/W	163lm/W	162lm/W	161lm/W	160lm/W	159lm/W	158lm/W	
T2/T3/T5@A5050	186lm/W	185lm/W	184lm/W	183lm/W	182lm/W	181lm/W	180lm/W	
Luminous flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)	T201-12in1 (85°150°)	33600lm	34500lm	35620lm	-	-	-	-
	T211-12in1 (110°155°)	33600lm	34500lm	35620lm	-	-	-	-
	T301-12in1 (100°160°)	32400lm	33250lm	34320lm	-	-	-	-
	T311-12in1 (90°150°)	33600lm	34500lm	35620lm	-	-	-	-
	T411-12in1 (115°145°)	33600lm	34500lm	35620lm	-	-	-	-
	T221-16in1 (75°150°)	36000lm	37250lm	38480lm	39420lm	40320lm	-	-
	T321-16in1 (100°145°)	36000lm	37250lm	38480lm	39420lm	40320lm	-	-
	T231-24in1 (100°160°)	37680lm	39000lm	40300lm	41580lm	42840lm	44080lm	45000lm
	T331-24in1 (120°160°)	37680lm	39000lm	40300lm	41580lm	42840lm	44080lm	45000lm
	T401-24in1 (125°160°)	37680lm	39000lm	40300lm	41580lm	42840lm	44080lm	45000lm
	T231-24in1-Pro	39120lm	40500lm	41860lm	43200lm	44520lm	45820lm	46800lm
	T331-24in1-Pro	39120lm	40500lm	41860lm	43200lm	44520lm	45820lm	46800lm
	T401-24in1-Pro	39120lm	40500lm	41860lm	43200lm	44520lm	45820lm	46800lm
	T2/T3@Seoul 5050	39360lm	40750lm	42120lm	43470lm	44800lm	46110lm	47400lm
	T2/T3/T5@A5050	44640lm	46250lm	47840lm	49410lm	50960lm	52490lm	54000lm
ULOR	= 0%, @ Luminaire inclination 0°							
CCT	2700K, 3000K, 4000K, 5000K, 5700K, 6500K							
CRI	70Ra, 80Ra, 90Ra optional							
Beam Angle	Type-II (85°150°, 110°155°, 75°150°, 100°160°) / Type III (100°160°, 90°150°, 100°145°, 120°160°) / Type IV (125°160°, 90°150°)							
LED Manufacturer	LUMILEDS/Seoul/Others							
LED Model	Lumileds 3030, 5050 / Seoul 3030, 5050 / A5050							
Lens	Polycarbonate+tempered glass(4mm/5mm 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	0.209m²(top view), 0.047m² (side view)							
Materials	Heavy-duty die-cast aluminum (ADC12)							
Painting	RAL9007 gray(standard), RAL9005 Black & RAL9006 Silver Optional							
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	Post Top/Side Entry(ø42~60mm pole, ø76mm optional), custom request, select an independent bracket. Adjustable angle ±10°							
Others								
Lifespan	L70 > 100000hrs, @Ta 25°C							
Warranty	5 years (Warranty extension up to 10 years on request)							
Product Size	812*315*96mm/31.97*12.4*3.78"							
Net Weight	9.2kg/20.28lbs							
Standard Package Size & Gross Weight	875*355*145mm/34.45*13.98*5.71" 10.8KG/23.8lbs							
Recommend Installation Height	General 4-12m, based on actual project requirements							
Application Field	Road & highway, urban road & street, residential area, parks, parking lot, riverside & jogging track							
Standard Accessories	Standard SPD 10kV (EU)							
Optional Accessories	Circuit breaker,SPD 10KV/20KV, Breather vent, Nema photoelectric control socket, Photoelectric controller,Zhaga socket, PIR sensor, Microwave sensor,Support rod.							
Important Note!	The provided parameters are solely for design reference; the official measurement report holds higher and final authority.							

Ordering Information

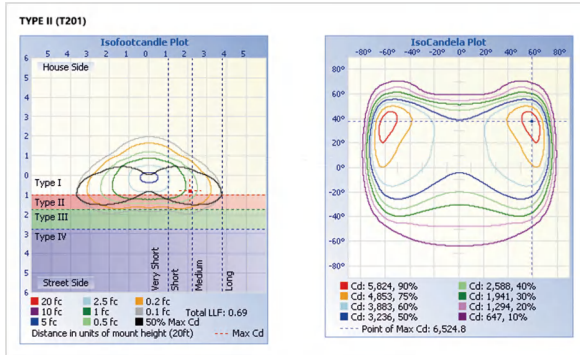
AOK								
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	HOUSING	OPTION
20WILA	NV=100-277V	L3=Lumileds 3030	00=Without Sensor	2770=2700K 70CRI	T201 (85°150°)	A=Side Entry	SG=Silver Gray	10KV SPD
30WILA	HV1=100-480V	S3=Seoul 3030	PH=Photocell	3070=3000K 70CRI	T211 (110°155°)	B=Post Top	BZ=Bronze	20KV SPD
40WILA	HV2=200-480V	L5=Lumileds 5050	DV=Dimmable	4070=4000K 70CRI	T221 (75°150°)		BK=Black	Zhaga receptacle
50WILA		S5=Seoul 5050		5070=5000K 70CRI	T231 (100°160°)		Custom request	Custom request
60WILA		A5=A5050		5770=5700K 70CRI	T2 (100°155°)			
70WILA				6570=6500K 70CRI	T2 (105°160°)			
80WILA				2780=2700K 80CRI	T301 (100°160°)			
90WILA				3080=3000K 80CRI	T311 (90°150°)			
100WILA				4080=4000K 80CRI	T321 (100°145°)			
110WILA				5080=5000K 80CRI	T331 (120°160°)			
120WILA				5780=5700K 80CRI	T3 (80°155°)			
130WILA				6580=6500K 80CRI	T3 (115°160°)			
140WILA					T401 (125°160°)			
150WILA					T411 (115°145°)			
160WILA					T5 (150°150°)			
170WILA								
180WILA								
200WILA								
240WILA								
250WILA								
260WILA								
270WILA								
280WILA								
290WILA								
300WILA								

Note: 200W can only use 5050 LED Chips

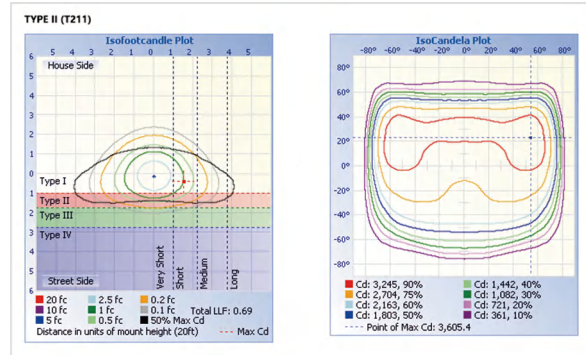
Photometry



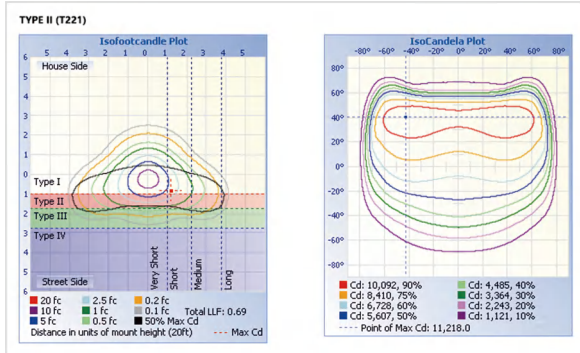
Illuminance Diagram



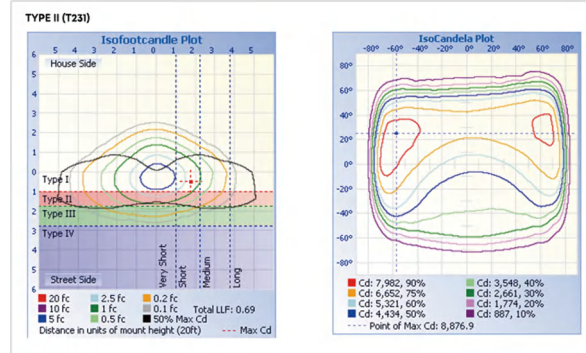
T201 (85°150°)



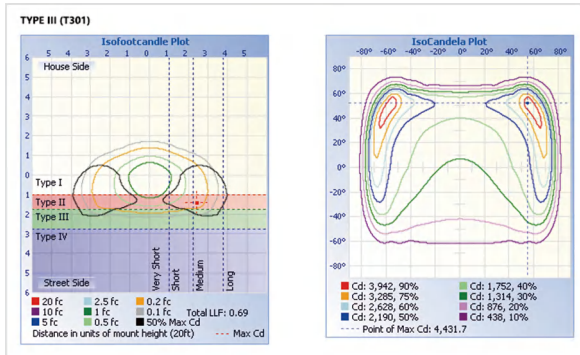
T211 (110°155°)



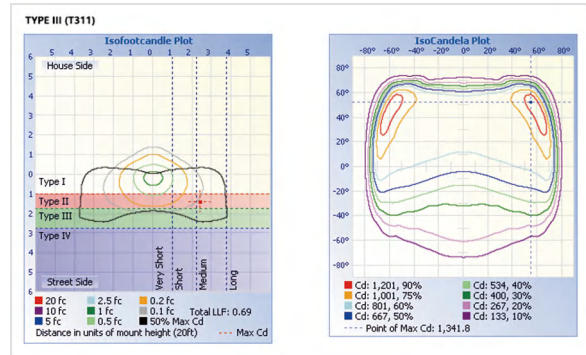
T221 (75°150°)



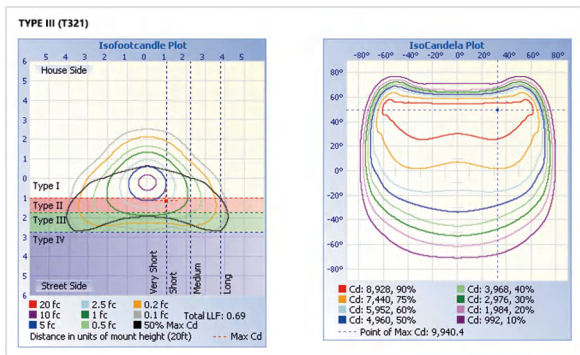
T231 (100°160°)



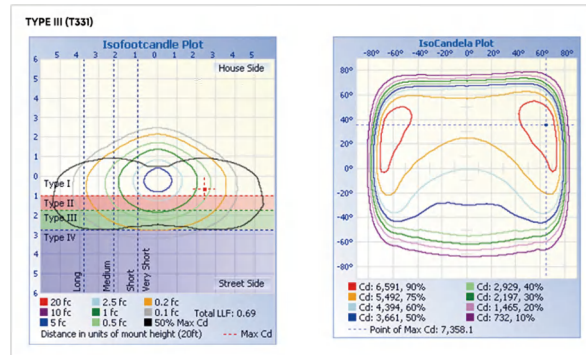
T301 (100°160°)



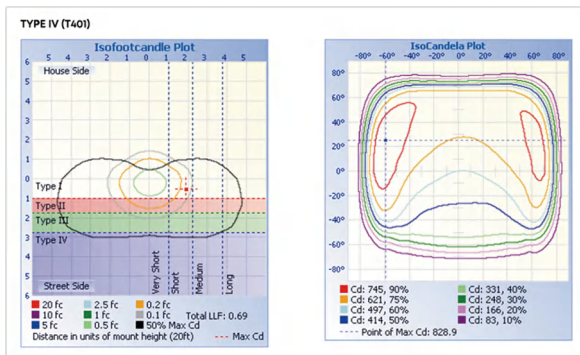
T311 (90°150°)



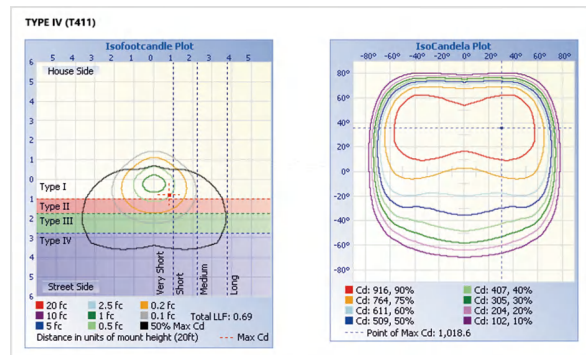
T321 (100°145°)



T331 (120°160°)



T401 (125°160°)

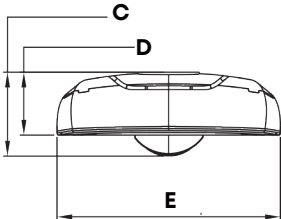
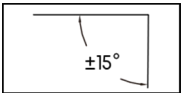
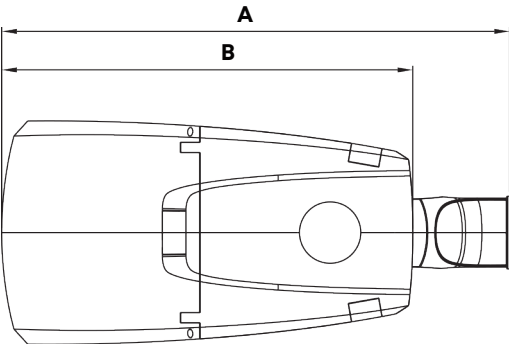
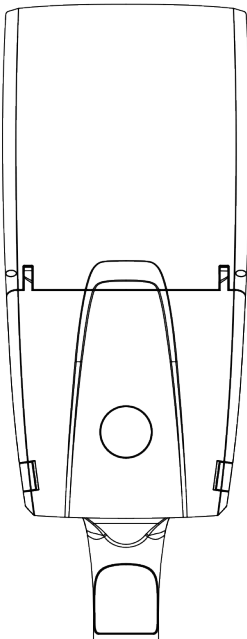
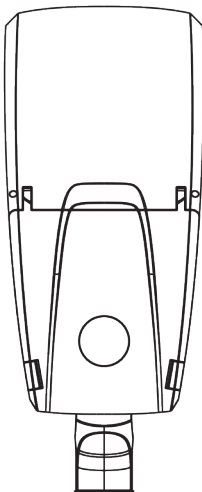
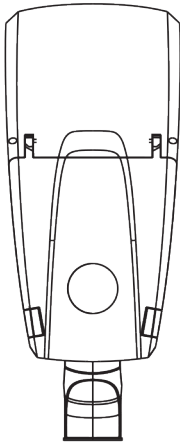
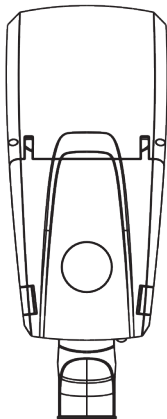
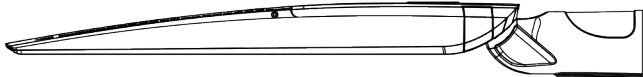


T411 (115°145°)

Fixture Dimensions



Note: For 240W-300W,
select an independent bracket.
Adjustable angle $\pm 10^{\circ}$



	A	B	C	D	E
20w-60w	537mm(21.14")	435mm(17.13")	88mm(3.46")	67mm(2.64")	210mm(8.27")
70w-110w	567mm(22.32")	465mm(18.31")	88mm(3.46")	67mm(2.64")	228mm(8.98")
120w-200w	632mm(24.88")	530mm(20.87")	89mm(3.50")	69mm(2.72")	259mm(10.2")
240w-300w	812mm(31.97")	655mm(25.79")	96mm(3.78")	67mm(2.64")	315mm(12.4")

Mounting & Control Options



Controller & Receptacle



Zhaga Receptacle



Shorting Cap



3 Pin/7 Pin Receptacle



Photocell



Innovative & Tailored Lighting Solutions for **Success**



WARRANTY

5 Year Limited Warranty,
10 Year Preferred Warranty.

Please consult with our sales for detailed agreement.

wally@aokledlight.com

www.aokledlight.com

+1 626-986-4050 (US)

+86 755 2357 9148 (CN)

Manufacturing:

Shenzhen:

Building 1 & 4, St. George's Science and Technology Industrial Park, Shajing Street, Shenzhen, China, 518124.

Huizhou:

Building 2, Yinghui Electronic Science and Tech Park, No. 6 Dongsheng North Rd, Chenjiang Street, Zhongkai High-tech Zone, Huizhou, China. 516006.

Fuzhou Office:

Room 301, Yujing Business Center Zone 1, No. 12 Baihuazhou road, Cangshan district, Fuzhou, China, 350007

Copyright ©2026 AOK Industrial Company Limited. All Right Reserved.