

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



Tunnel / Street / Parkinglot / Sports Field

Multipurpose FLC LED Flood Light

Power: 50W - 400W



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

The New Generation Eco-friendly **FLC** Recyclable LED Flood Light



CCT
adjustable
optional

Excluding 240W and 400W

Power
adjustable
optional

**Emergency
Power Supply**
Solution
optional



WARRANTY

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

★ 5 Stars for Your Choice



**Cost Savings
in Operations**



**Enhanced
Efficiency**



**Environmental
Sustainability**



**Enhanced
Reliability**



**Smart Control
Ready**

The FLC series Flood Light is eco-friendly and easy to recycle. It's energy-efficient and requires no tools for maintenance, allowing quick disassembly and recycling. It's perfect for public areas like tunnels, streets, parking lots, and sports fields.

- Die-cast aluminum fixture housing.
- UV-stabilized polyester powder paint finish ensures durability and corrosion resistance.
- Toolless maintenance feature, easy for recycle.
- Streamlined design to minimize wind resistance.
- Powder coating / PC + tempered glass cover.



Trunnion
+Pole Fitter



Trunnion
Mount



Yoke
Mount



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

wally@aoledlight.com
+1 626-986-4050 (US)
+86 755 2357 9148 (CN)

©2025 AOK Industrial Company Limited. All Right Reserved.



Cost Savings in Maintenance & Recycling



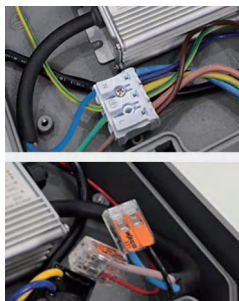
Tool-less Opening of LED & Driver Cover Easy for Maintenance



· Inner layer raised design enhances waterproof performance.



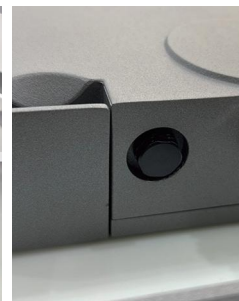
· High quality silicone gasket, improved sealing performance.



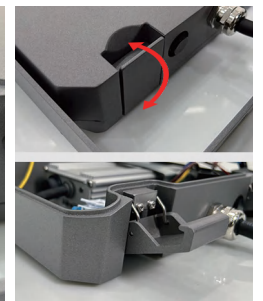
· High-quality terminal wiring ensures reliability and safety. (Optional)



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



· Breather vent (Optional)

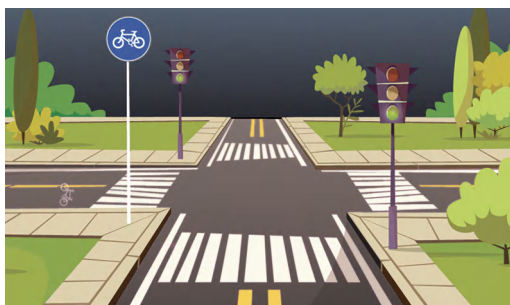
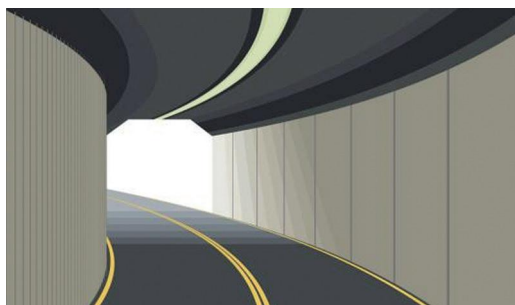


· Upgraded buckle, the recess is easier to open or close.

Photometric Design

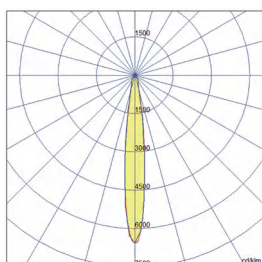
Choose between 2835/3030/5050 solutions for uniform street light distribution.

* Supports light distribution across various applications, with customization options available for both standard and tailored lighting modes as needed.

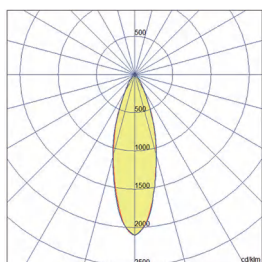


Optional Beam Angle:

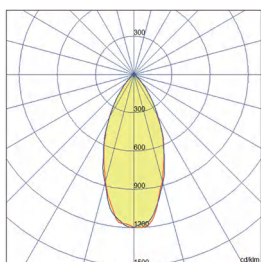
15°/30°/45°/60°/90°/120°/T2(60°*150°)/T3(70°*150°)/T4(70°*150°)



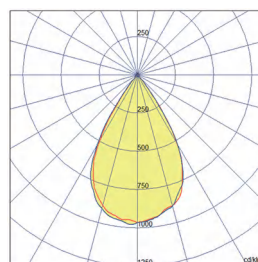
15°



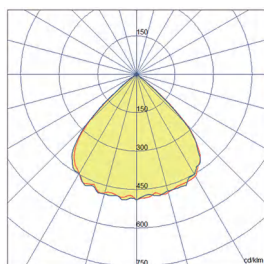
30°



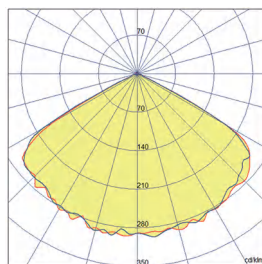
45°



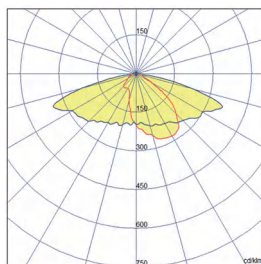
60°



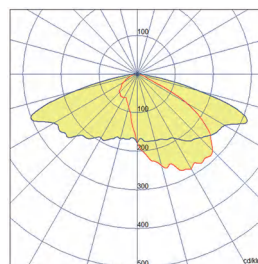
90°



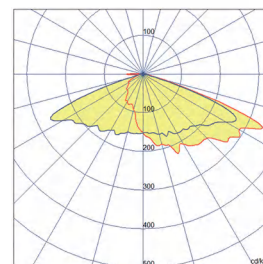
120°



T2(60°*150°)



T3(70°*150°)











T4(70°*150°)

Smart Control Ready

For efficient management



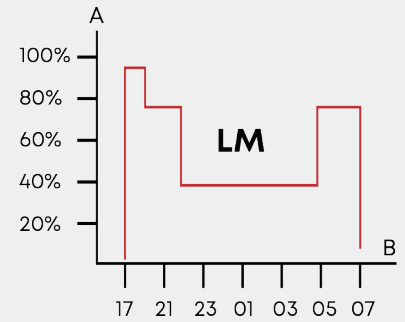
FLC is **connected-ready** and can operate with various sensors and control systems.

 Zhaga Supported	 Nema / LoRa Socket
 DALI Control	 Photocell
 Microwave	 PIR
 Casambi Supported	 Smart Lighting Control



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 night-fall so as to provide safety and comfort in public spaces.

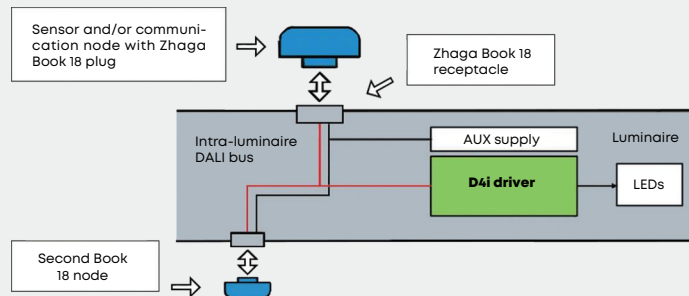


Smart standards. Smarter lighting.

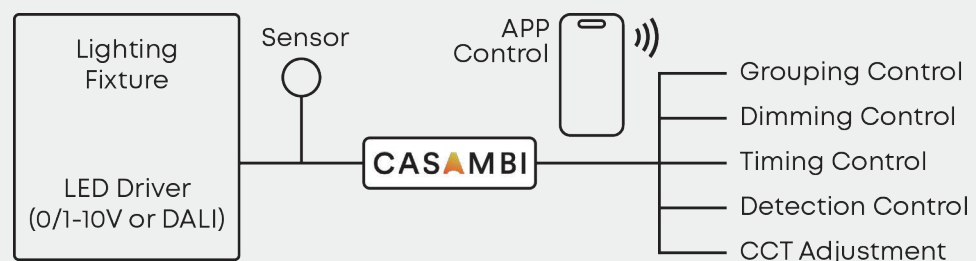
LoRaWAN® Luminaire Controller Zhaga is a wireless device for remote LED luminaire control with a Zhaga-compliant connector and DALI interface. It's compatible with LoRaWAN®, NB-IoT, and LTE-M networks, featuring a modern, compact design suitable for various street lighting modules.

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

- Underpass & tunnel lighting
- Perimeter, area & street lighting
- Facade lighting
- Security lighting
- Signboard lighting
- Parking lot lighting
- Landscape lighting



tunnel lighting



parking lot & surrounding



High Mast Lighting



Signboard Lighting



residential & area



riverside & jogging track



bicycle



basketball



tennis



Leisure or Training fields

Parameter Table

Electrical Specifications				
Model	AOK-FLC50W	AOK-FLC100W	AOK-FLC150W	AOK-FLC200W
Power(W, adjustable selection)	30-40-50W	60-80-100W	100-120-150W	120-150-200W
Input voltage	Normal Voltage=100-277VAC, High Voltage=200-480VAC, please read *Note-1 before choosing			
Driver Efficiency	≥96%	≥96%	≥96%	≥96%
Control Option	Driver includes wiring for 0-10V dimming systems. Dim as low as 10%.			
Emergency Power	30W			
Emergency Time	180 Minutes			
Operating Temperature	-40°C to 50°C (-40 °F to 122 °F)			
Storage Temperature	-40°C to 80°C (-40 °F to 176 °F)			
Surge Protection	10KV SPD in standard			
Photometric Specifications				
Efficacy (lm/W)±5% @2835	150lm/W	150lm/W	150lm/W	150lm/W
Luminous flux(lm)±5%@CRI 70Ra, 4000K	4500-7500lm	9000-15000lm	15000-22500lm	18000-30000lm
Efficacy (lm/W)±5% @5050	170lm/W	170lm/W	170lm/W	170lm/W
Luminous flux(lm)±5%@CRI 70Ra, 4000K	5100-8500lm	10200-17000lm	17000-25500lm	20400-34000lm
Efficacy (lm/W)±5% @A5050	195-192-190lm/W	190-188-185lm/W	190-185-182lm/W	190-185-182lm/W
Luminous flux(lm)±5%@CRI 70Ra, 4000K	5850-9500lm	11400-18500lm	19000-27300lm	22800-36400lm
ULOR	= 0%, @ Luminaire inclination 0°			
CCT	3000K~5000K			
CRI	Ra70 / Ra80			
LED model	2835 / 3030 / 5050 optional			
Lens	Polycarbonate			
Beam angle	15°/30°/45°/60°/90°/120°/T2(60°150°)/T3(70°150°)/T4(70°150°)			
Mechanical Specifications				
IP/IK	IP66/IK08, 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)			
Surface treatment	Anti-UV thermosetting polyester / Anti-UV thermosetting polyester (for extremely corrosive environments).			
Painting	Black, Gray,Custom request			
SCx (EPA)	To be updated			
Cable	Pre-wired with a 30 cm cable (Other lengths on request)			
Mounting	Type-A (Yoke mount), Type-B (Trunnion mount), Type-C (Trunnion+pole fitter)			
Package Info				
Product Size	16.06*9.65*2.20 inches / 408*245*56mm		18.9*11.61*2.20 inches / 480*295*56mm	
Net Weight	3.3KG	3.5KG	5.0KG	5.4KG
Carton Size	19.88*11.22*4.72inches / 505*285*120mm		23.03*13.18*4.72inches / 585*335*120mm	
Gross Weight	4.0KG	4.2KG	5.8KG	6.2KG
Others				
Lifespan	L70 - 100 000 h, @Tq 25°C (2835)			
Warranty	5 years limited warranty in standard, 10 years optional			
Certification	Request for details			
Accessories (standard)	Request for details			
Accessories (optional)	NEMA socket, Zhaga receptacle, US/Euro standard SPD, photocell, microwave/PIR sensor, support rod, CCT/power turnable			
Application Field	Tunnel, urban road & street, residential area, parks, parking lot, riverside & jogging track, sports field, warehouse			
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 ≥240V the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.

Parameter Table

Electrical Specifications			
Model	AOK-FLC240W	AOK-FLC300W	AOK-FLC400W
Power(W, adjustable selection)	150-200-240W	200-250-300W	300-350-400W
Input voltage	Normal Voltage=100-277VAC, High Voltage=200-480VAC, please read *Note-1 before choosing		
Driver Efficiency	≥96%	≥96%	≥96%
Control Option	Driver includes wiring for 0-10V dimming systems. Dim as low as 10%.		
Emergency Power	30W	/	
Emergency Time	180 Minutes	/	
Operating Temperature	-40°C to 50°C (-40 °F to 122 °F)		
Storage Temperature	-40°C to 80°C (-40 °F to 176 °F)		
Surge Protection	10KV SPD in standard		
Photometric Specifications			
Efficacy (lm/W)±5% @2835	150lm/W	150lm/W	150lm/W
Luminous flux(lm)±5%@CRI 70Ra, 4000K	22500-36000lm	30000-45000lm	45000-60000lm
Efficacy (lm/W)±5% @5050	165lm/W	170lm/W	165lm/W
Luminous flux(lm)±5%@CRI 70Ra, 4000K	24750-39600lm	34000-51000lm	49500-66000lm
Efficacy (lm/W)±5% @A5050	185-182-180lm/W	190-185-183lm/W	185-183-180lm/W
Luminous flux(lm)±5%@CRI 70Ra, 4000K	27750-43200lm	38000-54900lm	55500-72000lm
ULOR	= 0%, @ Luminaire inclination 0°		
CCT	3000K~5000K		
CRI	Ra70 / Ra80		
LED model	2835 / 3030 / 5050 optional		
Lens	Polycarbonate		
Beam angle	15°/30°/45°/60°/90°/120°/T2(60°150°)/T3(70°150°)/T4(70°150°)		
Mechanical Specifications			
IP/IK	IP66/IK08, 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)		
Surface treatment	Anti-UV thermosetting polyester / Anti-UV thermosetting polyester (for extremely corrosive environments).		
Painting	Black, Gray,Custom request		
SCx (EPA)	To be updated		
Cable	Pre-wired with a 30 cm cable (Other lengths on request)		
Mounting	Type-A (Yoke mount), Type-B (Trunnion mount), Type-C (Trunnion+pole fitter)		
Package Info			
Product Size	18.9*11.61*2.20 inches / 480*295*56mm	16.06*9.65*2.20 inches / 590*345*56mm	
Net Weight	5.5KG	6.8KG	7.3KG
Carton Size	23.03*13.18*4.72inches / 585*335*120mm	27.56*13.15*4.72inches / 700*385*120mm	
Gross Weight	6.3KG	7.6KG	8.1KG
Others			
Lifespan	L70 - 100 000 h, @Tq 25°C (2835)		
Warranty	5 years limited warranty in standard, 10 years optional		
Certification	Request for details		
Accessories (standard)	Request for details		
Accessories (optional)	NEMA socket, Zhaga receptacle, US/Euro standard SPD, photocell, microwave/PIR sensor, support rod, CCT/power turnable		
Application Field	Tunnel, urban road & street, residential area, parks, parking lot, riverside & jogging track, sports field, warehouse		
Important Note!	The provided information is solely for reference; the official measurement report holds higher authority.		

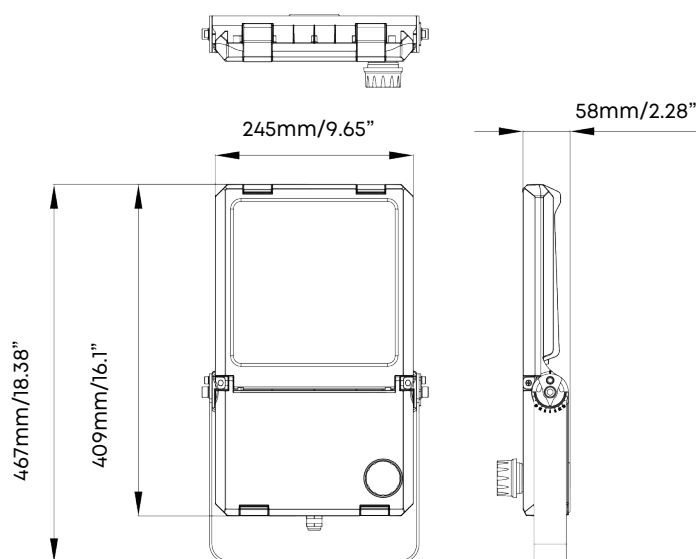
* Note-1: For the power supply in the United States and Canada, in case the input voltage fluctuation ≥240V the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.

Ordering Information

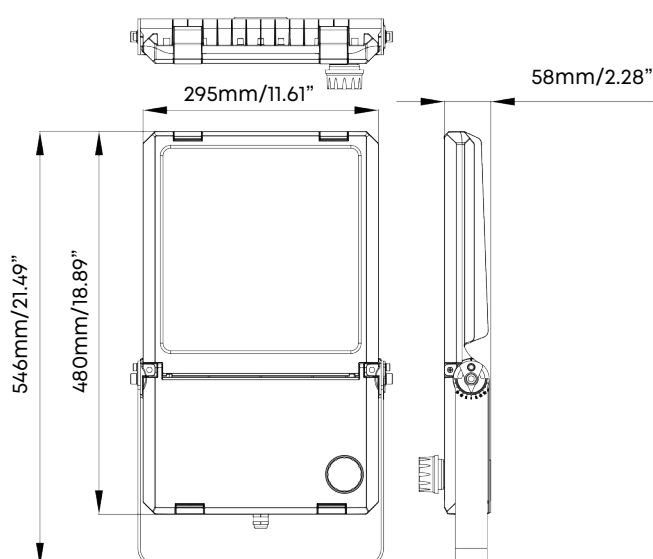
AOK							
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	COLOR
50WFLC	NV=100-277V	A2=2835	00=None	XX70=3000K-5000K 70CRI	15D=15°	A=Type A (Yoke mount)	BK=Black
100WFLC	HV=277-480V	A3=3030	DV=Dimmable	XX80=3000K-5000K 80CRI	30D=30°	B=Type B (Trunnion mount)	GR=Gray
150WFLC		A5=5050	PIR=PIR sensor		45D=45°	C=Type C (Trunnion+pole fitter)	Custom request
200WFLC			PH=Photocell		60D=60°		
240WFLC			MS=Microwave Sensor		90D=90°		
300WFLC					120D=120°		
400WFLC					T2(60°150°)		
					T3(70°150°)		
					T4(70°150°)		

Dimension

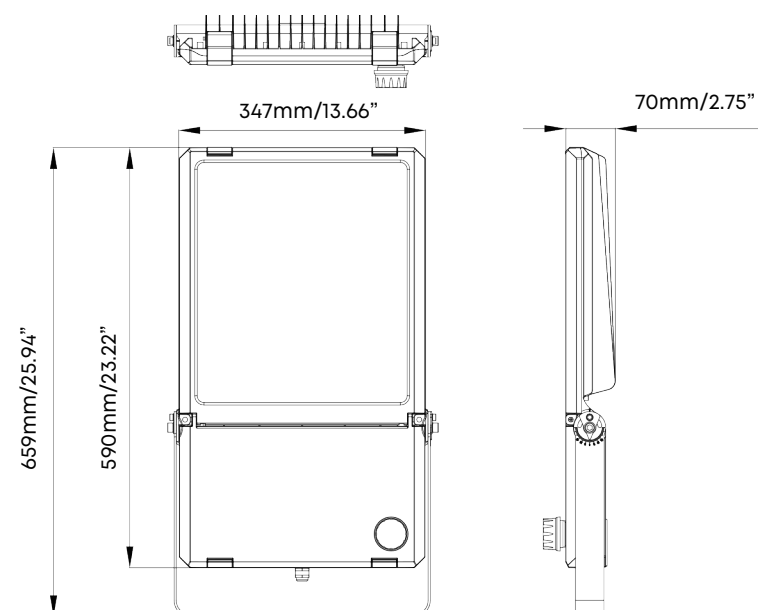
50W-100W



150W-240W



300W-400W





Innovative & Tailored Lighting Solutions for **Success**



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.

Philippines:

128 North Science Avenue SEZ Laguna Technopark, Binan City, Laguna, Philippines.

Fuzhou Office:

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

Copyright ©2025 AOK Industrial Company Limited. All Right Reserved.