

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



FLD Series LED Flood Light/Highbay Light

Power: 150W-600W

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

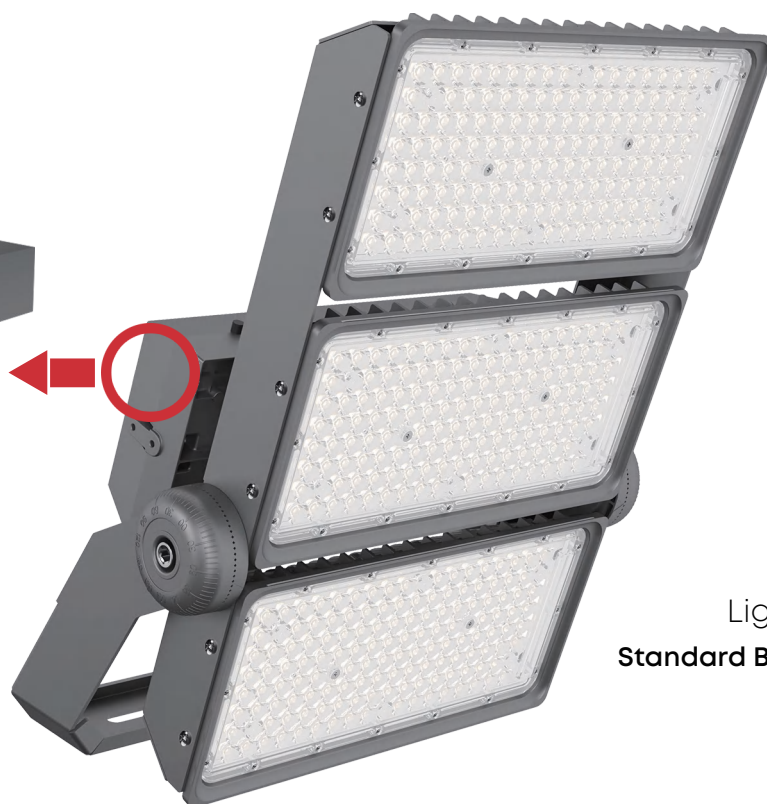
Features of **FLD** Series



Highbay
Lighting Solution
Optional Bracket: Yoke



Without Driver Box
Solution Optional



Flood
Lighting Solution
Standard Bracket: Trunnion



WARRANTY

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

The FLD series is an energy-saving and economical LED flood light that is suitable for various outdoor & indoor applications, including stadium lighting, ports and docks.

- Wiring is cleverly concealed within the luminaire structure, achieving a clean appearance with no exposed cables, enhancing overall aesthetics.
- Modular design simplifies maintenance—individual components can be replaced when partially damaged, reducing upkeep costs.
- Interchangeable thermal modules allow flexible adaptation to different power requirements .
- Full-surface lens coverage ensures uniform light distribution, eliminating glare or localized hotspots.
- Supports multiple light distribution schemes to accommodate diverse lighting needs.
- Enables multi-directional illumination for various applications or scenarios.
- Gear-driven angle adjustment mechanism achieves precise 5° control.
- Matte-textured surface finish.

Benefits for choosing FLD



**Modular Design
Easy To Maintain**



**Professional
Distribution Options**



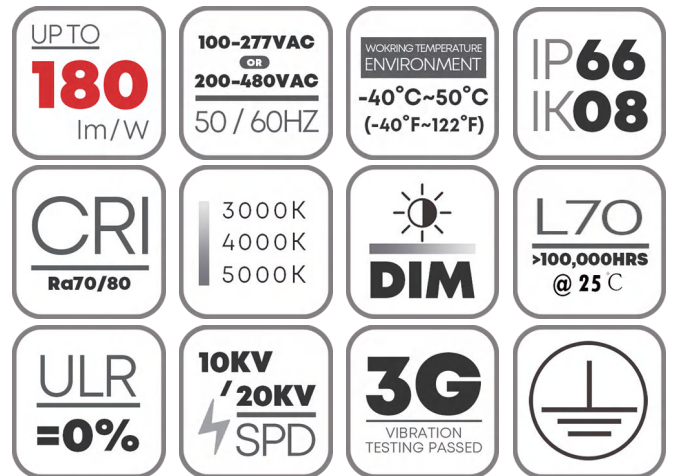
**Sleek Design
No Exposed Cables**



**Accurate
Installation**



**Smart Control
Ready**



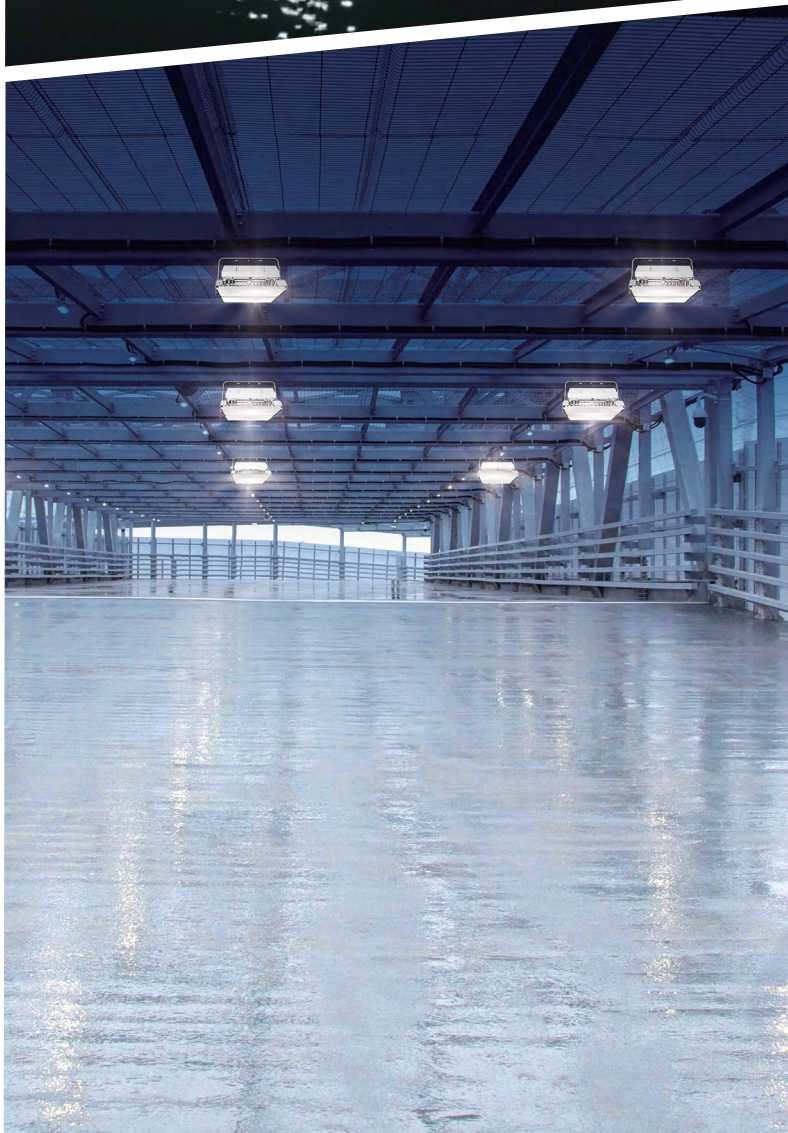
Note: Normal Voltage=100-277VAC, High Voltage=200-480VAC, please evaluate before choosing. For the power supply in the United States and Canada, in case the input voltage fluctuation $\geq 240V$ the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.

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Application Reference



Parameter Table

Electrical Specifications							
Model	AOK-FLD150W	AOK-FLD200W	AOK-FLD300W	AOK-FLD400W	AOK-FLD450W	AOK-FLD480W	AOK-FLD600W
Power(W)	150W	200W	300W	400W	450W	480W	600W
Modules	1	1	2	2	3	3	3
Input Voltage	Normal Voltage=100-277VAC, High Voltage=200-480VAC, please read *Note-1 before choosing						
Driver Efficiency	≥96%	≥96%	≥96%	≥96%	≥96%	≥96%	≥96%
Control Option	Driver includes wiring for 0-10V dimming systems. Dim as low as 10%.						
Operating Temperature	-40℃ to 50℃ (-40 ℃F to 122 ℃F)	-40℃ to 50℃ (-40 ℃F to 122 ℃F)	-40℃ to 50℃ (-40 ℃F to 122 ℃F)	-40℃ to 45℃ (-40 ℃F to 113 ℃F)	-40℃ to 50℃ (-40 ℃F to 122 ℃F)	-40℃ to 50℃ (-40 ℃F to 122 ℃F)	-40℃ to 40℃ (-40 ℃F to 104 ℃F)
Storage Temperature	-40℃ to 80℃ (-40 ℃F to 176 ℃F)						
Surge Protection	10kV/20kV optional						
Photometric Specifications							
Efficacy (lm/W)±5% @CRI 70Ra, 5000K	180lm/W	175lm/W	180lm/W	175lm/W	180lm/W	-	175lm/W
Luminous Flux(lm)±5% @CRI 70Ra, 5000K	27000lm	35000lm	54000lm	70000lm	81000lm	-	105000lm
Efficacy (lm/W)±5% @CRI 70Ra, 5000K,T302	168lm/W	-	166lm/W	-	168lm/W	168lm/W	-
Luminous Flux(lm)±5% @CRI 70Ra, 5000K,T302	25200lm	-	49800lm	-	75600lm	80640lm	-
ULOR	= 0%, @ Luminaire inclination 0°						
CCT	3000K~5000K						
CRI	Ra70 / Ra80						
LED Manufacturer	Other brands, customization acceptable, please request						
LED Model	5050						
Lens	Polycarbonate						
Beam Angle	30°/60°/90°/ T302(25°125°)	30°/60°/90°	30°/60°/90°/ T302(25°125°)	30°/60°/90°	30°/60°/90°/ T302(25°125°)	T302(25°125°)	30°/60°/90°
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	Gray, Custom request						
SCx (EPA)	To be updated						
Cable	Pre-wired with a 30 cm cable (Other lengths on request)						
Mounting	Yoke mount		Standard: Trunnion mount, Optional: Yoke mount				
Package Info							
Product Size	15.36*7.28*10.54 inches / 390.1*185*267.8mm		15.81*7.68*17.81 inches / 401.5*195.0*452.4mm		15.81*7.68*25.00 inches / 401.5*195.0*635.1mm		
Net Weight	Yoke: 5.5kg/12.13 lbs		Trunnion: 10.1kg/22.27 lbs		Trunnion: 12.6kg/27.78 lbs		
Carton Size	16.33*8.85*10.63inches / 415*225*270mm		20.07*16.81*10.03inches / 510*427*255mm		27.16*16.73*10.03inches / 690*425*255mm		
Gross Weight	Yoke: 6.3kg/13.86 lbs		Trunnion: 11.2kg/24.69 lbs		Trunnion: 13.8kg/30.42 lbs		
Others							
Lifespan	L70 - 100 000 h, @Tq 25℃						
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,						
Application Field	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

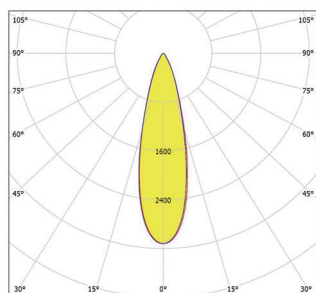
AOK							
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	COLOR
150WFLD	NV=100-277V	A5=5050	00=None	XX70=3000K-5000K 70CRI	30D=30°	A=Trunnion mount	GR=Gray
200WFLD	HV=200-480V		DV=Dimmable	XX80=3000K-5000K 80CRI	60D=60°	B=Yoke mount	Custom
300WFLD			PIR=PIR sensor		90D=90°		
400WFLD			PH=Photocell		T302(25°*125°)		
450WFLD			MS=Microwave Sensor				
480WFLD							
600WFLD							

150W&300W&450W: 30°/60°/90°/T302(25°*125°), **200W&400W&600W:** 30°/60°/90°, **480W:** T302(25°*125°)

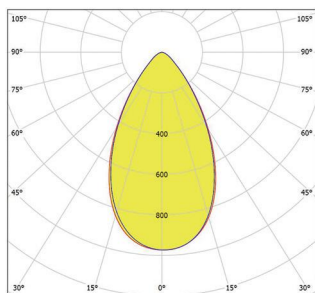
150W-200W: Yoke mount

300W-600W: Standard-Trunnion mount, Optional-Yoke mount

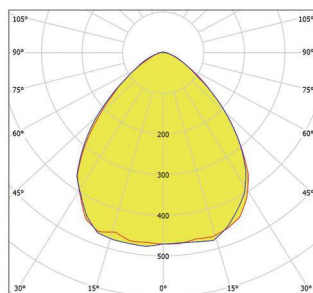
Photometry



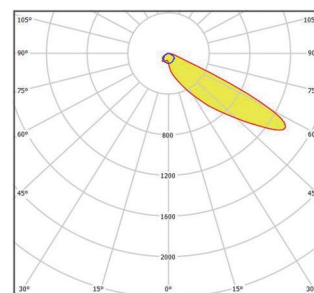
30D



60D

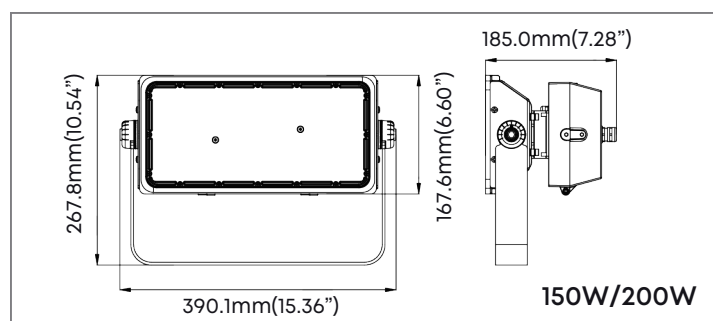


90D

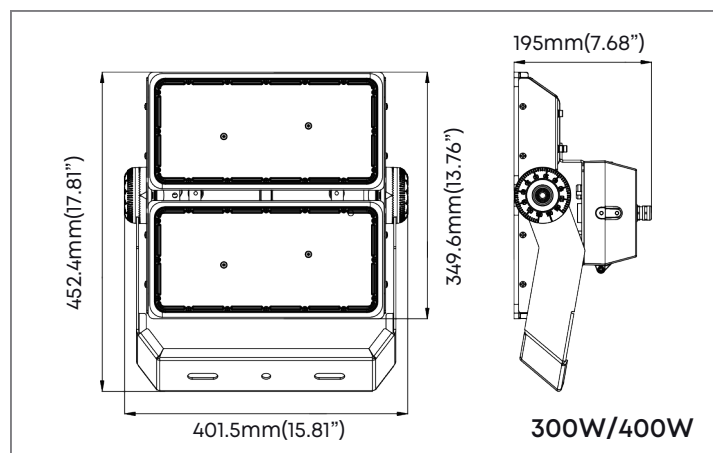


T302(25°*125°)

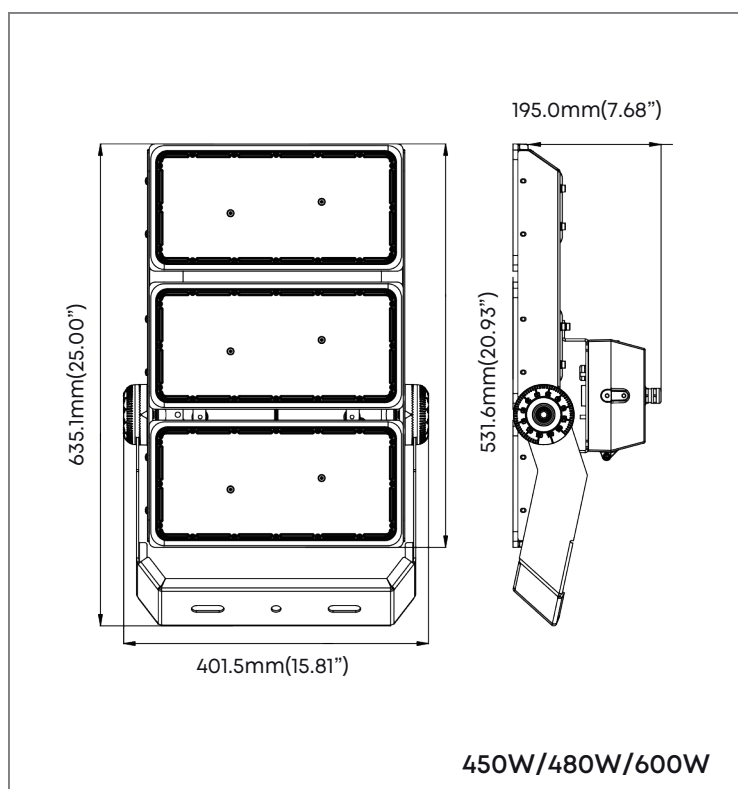
Dimensions



150W/200W



300W/400W



450W/480W/600W



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