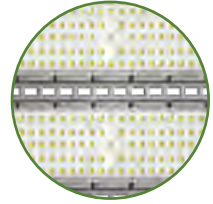


OUTDOOR LED STADIUM FLOOD LIGHT



MODEL: AD/L4601- W- K

Classification

IP66

Application

Stadium floodlights are designed for superior illumination in sports arenas, ensuring high visibility for players and spectators. Perfect for football fields, cricket grounds, and athletic tracks, they offer bright, durable, and energy-efficient lighting for night events.

Installation

- 1-Floor mounted
- 2-Ceiling mounted
- 3-Wall mounted
- 4-Pole mounted

Material

Die-cast Aluminum+Anti-UV PC Lens

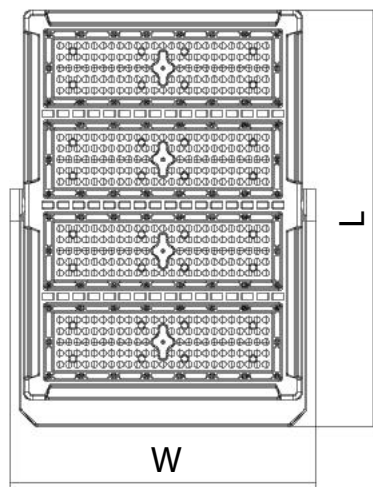
Bracket

360° Rotatable

Correlated Color Temperature (CCT)

Cold White	6500K
Neutral White	4000K
Warm White	3000K

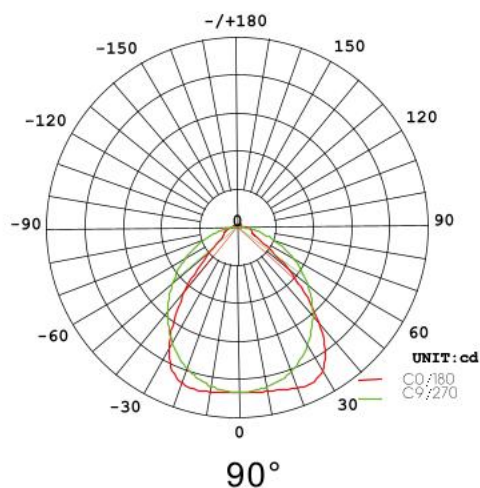
Dimension and Mounting Details



General Specifications

POWER	L(MM)	W(MM)	H(MM)	WEIGHT(KG)	LUMENS
100W	239	318	68	1.240	9500lm
200W	295	383	77	2.170	19600lm
400W	525	386	77	4.190	39200lm
500W	385	671	105	5.200	49000lm
600W	640	525	100	7.260	57000lm
1000W	685	671	105	11.080	120000lm

Light intensity Distribution



Technical Parameters

	AL ADWAA					
Power	100W	200W	400W	500W	600W	1000W
Light Source	SMT Chip					
Color Temperature	3000K/4000K/6500K					
Ingress Protection	IP66					
Input Voltage, Frequency	AC110-240V, 50/60 Hz					
Ambient Temperature (Ta)	-10...50°C					
Application	Outdoor Use					

GENERAL CHARACTERSTICS

Shape	Rectangular					
Diffuser Type	Anti-UV PC Lens					
Light Surface Area (cm)	2 X (23.7X7)	2 X (30X9.5)	4 X (30X9.5)	55.5X26.8	3 X (42X16)	2 X (55.5X26.8)
Finish	Matt					
Life Time (hours)	30,000h					
Switching Cycles	15,000 On / OFF					

LIGHT CHARACTERSTICS

Rated Luminous Flux	9500lm	19600lm	39200lm	49000lm	57000lm	120000lm
Color Rendering Index (CRI)	>80					
Displacement Factor	>0.9					
Efficacy	95lm/W	98lm/W	98lm/W	98lm/W	95lm/W	120lm/W
Beam Angle	90°	90°	90°	60°	90°	60°
Lamp Type	Direct					
Color Consistency	< 6 Step MacAdam Ellipse					
Non-Dimmable Light	YES					
Lumen Maintenance	>80%					
Starting Time	< 1 Second					

CHIP DATA SHEET

LED CHIP 1W - Z-3030-XXX-2C

Features & Benefits

- Extremely wide viewing angle.
- Suitable for all SMT assembly and soldering process.
- Available on tape and reel.
- Moisture sensitivity level: Level 5.
- Package: 4,000pcs/reel or 20,000pcs/reel.
- RoHS compliant.



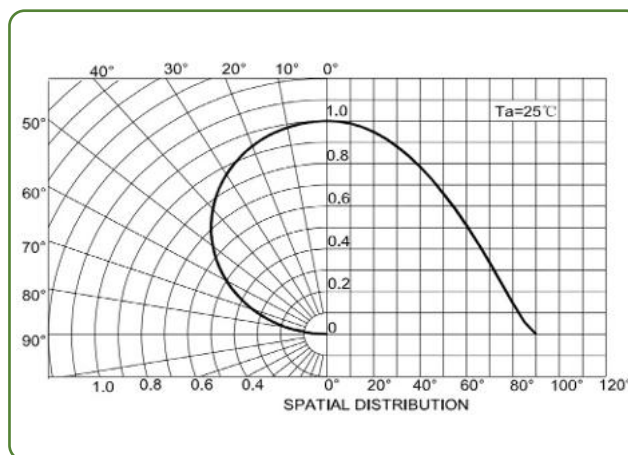
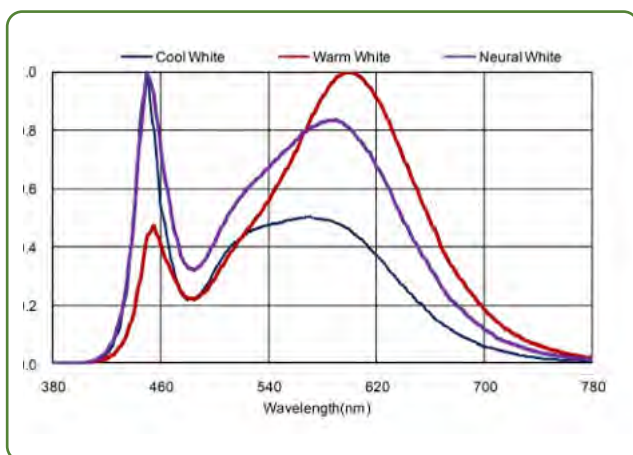
Description

The White LED which was fabricated using a blue chip and the phosphor



Applications

- Optical indicator
- Indoor display
- Automotive lighting
- Backlight for LCD, switch and Symbol, display
- Outdoor lighting
- General use



Photoelectric parameters

PARAMETER	SYMBOL	RATING	UNITS
Power dissipation	Pd	960	mW
Forward current	If	150	mA
Reverse voltage	Vr	5	V
Operating temperature	Topr	-20~+85	°C
Storage temperature range	Tstg	-35~+85	°C
Pulse forward Current (Duty cycle 1/10@1KHz)	Ifg	225	mA
Electrostatic Discharge HBM)	ESD	2000(HBM)	V
Work lamp bead foot temperature	Tp	≤105	

Electrical-optical characteristics(Ta=25°C)

PARAMETER	TEST CONDI-TION	SYMBOL	MIN	TYPICAL	MAX	UNITS
Forward voltage	If=150mA	Vf	6.0	--	6.6	V
Luminous flux		Φ	155	--	165	Lm
Viewing angle at 50% Iv		2θ 1/2	--	120	--	Deg
Reverse current	Vr=5V	Ir	0	0	1	μ A
Color Index	If=150mA	Ra	--	80	--	--
Junction temperature		Tj	--	--	125	°C
Thermal Resistance (Junction /Soldering point)		Rthj-s	--	25	--	°C/W

Notes:

1. Luminous flux measurement tolerance: ±5%
2. Forward voltage tolerance is ±0.1V
3. CRI measurement tolerance: ±2

Drivers Data Sheet

Dimensions :

Driver Type	Model No.	Length	Width	Height
LED DRIVER 100W	ADD100W1900mA	142mm	53mm	33mm
LED DRIVER 200W	ADD200W3750mA	186mm	60mm	38mm
LED DRIVER 250W	ADD250W4800mA	186mm	60mm	38mm

1. Input & Output Parameters for 100W :

Parameter	Min	Normal	Max
Input Voltage (Vac)	100V	220V	277V
Input Power	90W	100W	110W
Power Factor	0.90	0.90	0.90
Output Voltage (Vdc)	48V	48V	48V
Output Current (mA)	1850mA	1900mA	1950mA
Efficiency	89%	89%	89%
Surge	6KV	6KV	6KV

2. Input & Output Parameters for 200W :

Parameter	Min	Normal	Max
Input Voltage (Vac)	100V	220V	277V
Input Power	180W	200W	220W
Power Factor	0.90	0.90	0.90
Output Voltage (Vdc)	48V	48V	48V
Output Current (mA)	3740mA	3800mA	3840mA
Efficiency	89%	89%	89%
Surge	6KV	6KV	6KV

3. Input & Output Parameters for 250W :

Parameter	Min	Normal	Max
Input Voltage (Vac)	100V	220V	277V
Input Power	225W	250W	275W
Power Factor	0.90	0.90	0.90
Output Voltage (Vdc)	48V	45V	54V
Output Current (mA)	4750mA	4800mA	4850mA
Efficiency	89%	89%	89%
Surge	6KV	6KV	6KV

Notes:

1. Driver Ingress Protection: **IP67**
2. Driver Ambient Temperature (Ta): -10 ... +55°C

Ordering Information

Model No.	Power	CCT	CBM
AD/L4601-100W-3K	100W	3000K	
AD/L4601-100W-4K		4000K	
AD/L4601-100W		6500K	
AD/L4601-200W-3K	200W	3000K	
AD/L4601-200W-4K		4000K	
AD/L4601-200W		6500K	
AD/L4601-400W-3K	400W	3000K	
AD/L4601-400W-4K		4000K	
AD/L4601-400W		6500K	
AD/L4601-500W-3K	500W	3000K	
AD/L4601-500W-4K		4000K	
AD/L4601-500W		6500K	
AD/L4601-600W-3K	600W	3000K	
AD/L4601-600W-4K		4000K	
AD/L4601-600W		6500K	
AD/L4601-1000W-3K	1000W	3000K	
AD/L4601-1000W-4K		4000K	
AD/L4601-1000W		6500K	