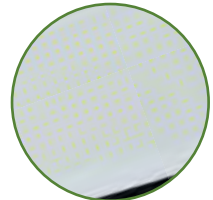


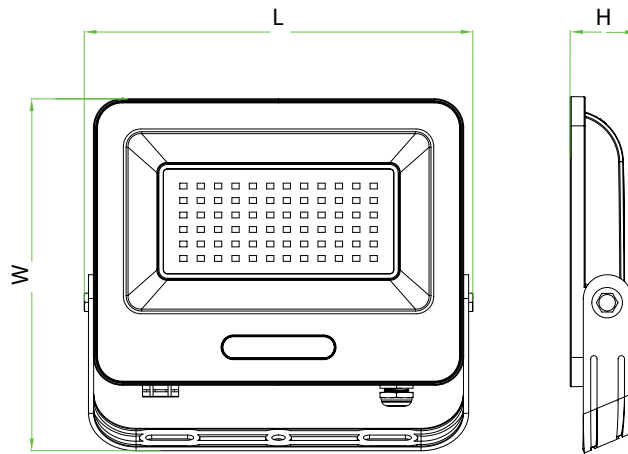
OUTDOOR LED SMART FLOOD LIGHT



MODEL: AD/L4010- W- K

Classification	IP65	
Application	Smart Floodlights specifically engineered for outdoor environments, ideal for illuminating streets, highways, public parks, sports fields, parking lots, school playgrounds, airport runways, and other large outdoor areas.	
Installation	Mounted on poles, walls, or surfaces to provide wide-area illumination.	
Material	STEEL/ALUMINIUM	
Correlated Color Temperature (CCT)	Cold White	6500K
	Neutral White	4000K
	Warm White	3000K
Driver	Driver on Board (DOB)	

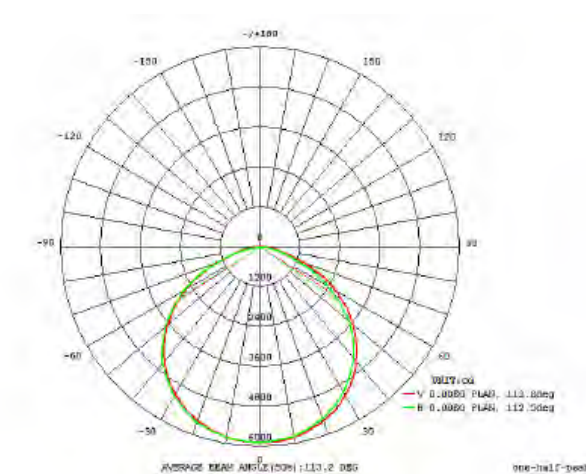
Dimension and Mounting Details



General Specifications

POWER	L(MM)	W(MM)	H(MM)	WEIGHT(KG)	LUMENS
50W	170.1	187.9	31.8	0.500	5250lm
100W	212.1	242.3	33.6	0.850	10500lm
150W	230	279.4	35.4	1.200	15750lm
200W	279.5	328.8	37.4	1.790	21000lm
300W	312.5	378.9	45.2	2.700	31500lm

Light intensity Distribution



Technical Parameters

	AL ADWAA				
Power	50W	100W	150W	200W	300W
Light Source	SMD Chip				
Color Temperature	3000K/4000K/6500K				
Ingress Protection	IP65				
Input Voltage, Frequency	AC160-265V, 50/60 Hz				
Ambient Temperature (Ta)	-10...50°C				
Application	Outdoor Use				

GENERAL CHARACTERSTICS

Shape	Rectangular				
Diffuser Type	Clear Glass				
Light Surface Area (cm)	14.4X8.8	19.2X11.7	22.8X13.4	27.1X16.2	31.1X18.5
Finish	Matt				
Life Time (hours)	30,000h				
Switching Cycles	15,000 On / OFF				

LIGHT CHARACTERSTICS

Rated Luminous Flux	5250lm	10500lm	15750lm	21000lm	31500lm
Color Rendering Index (CRI)	>80				
Displacement Factor	>0.9				
Efficacy	105lm/W				
Beam Angle	110°				
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 - SMD2835-20500F2R

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.



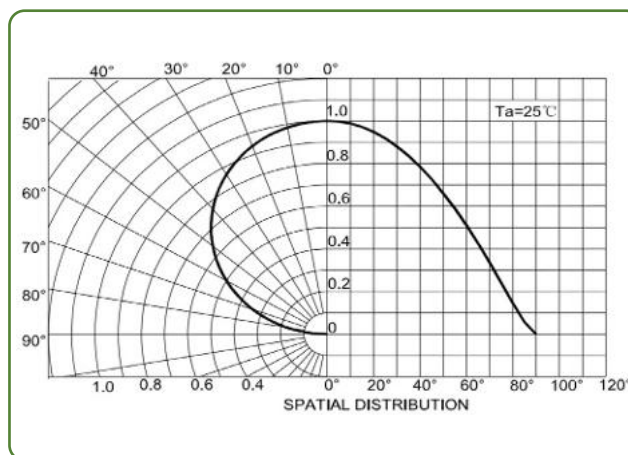
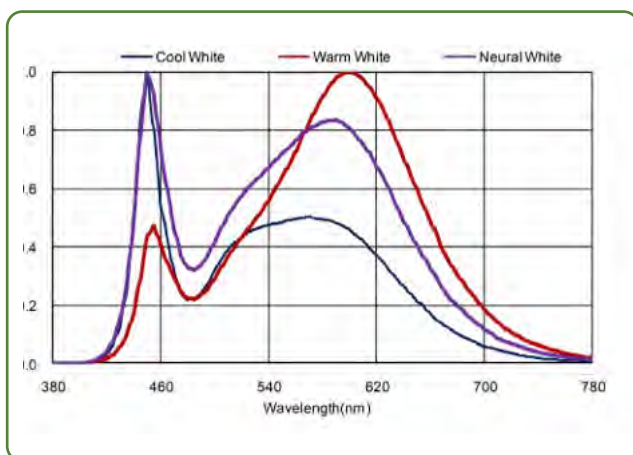
Description

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	1188	mW
Forward current	If	180	mA
Thermal Resistance	Rja	25	°C/W
Operating temperature	Topr	-30~+85	°C
Storage temperature range	Tstg	-30~+85	°C
Pulse forward Current (Duty cycle 1/10@1KHz)	Ifg	240	mA
Electrostatic Discharge HBM)	ESD	2000(HBM)	V
Junction Temperature	Tj	125	°C/W

Electrical-optical characteristics(Ta=25°C)

PARAMETER	TEST CONDI-TION	SYMBOL	MIN	TYPICAL	MAX	UNITS
Forward voltage	If=150mA	Vf	5.8	--	6.6	V
Luminous flux		Φ	140	--	160	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

Ordering Information

Model No.	Power	CCT	CBM
AD/L4010-50W-3K	50W	3000K	
AD/L4010-50W-4K		4000K	
AD/L4010-50W		6500K	
AD/L4010-100W-3K	100W	3000K	
AD/L4010-100W-4K		4000K	
AD/L4010-100W		6500K	
AD/L4010-150W-3K	150W	3000K	
AD/L4010-150W-4K		4000K	
AD/L4010-150W		6500K	
AD/L4010-200W-3K	200W	3000K	
AD/L4010-200W-4K		4000K	
AD/L4010-200W		6500K	
AD/L4010-300W-3K	300W	3000K	
AD/L4010-300W-4K		4000K	
AD/L4010-300W		6500K	