

OUTDOOR LED SPIKE LIGHT



MODEL: AD/LMS-P00 - W- K

Classification

IP67

Application

LED Spike Light – Versatile and durable outdoor LED fixture with a ground spike for easy installation. Provides focused, energy-efficient illumination to accentuate landscapes, gardens, and architectural elements with superior weather resistance and adjustable beam direction.

Installation

Ground spike installation for flexible positioning and focused illumination of landscapes, gardens, and architectural features.

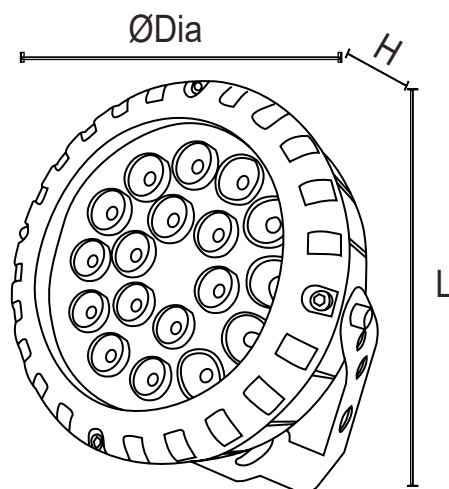
Material

Die-Cast Aluminum

Correlated Color Temperature (CCT)

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

Dimension and Mounting Details



General Specifications

MODEL	D(MM)	L(MM)	H(MM)	WEIGHT(KG)	LUMENS
AD/LMS-P001-18W	Ø150	170	65	0.787	1973lm
AD/LMS-P002-24W	Ø180	215	140	1.113	2621lm

Technical Parameters

	AL ADWAA	
Power	18W	24W
Light Source	SMD	
Color Temperature	3000K/4000K/6500K	
Ingress Protection	IP67	
Input Voltage, Frequency	AC85-265V, 50/60 Hz	
Ambient Temperature (Ta)	-40...45°C	
Application	Outdoor Use	

GENERAL CHARACTERSTICS

Shape	Circular
Diffuser Type	Clear Glass
Light Surface Area (cm)	N/A
Finish	Matt
Life Time (hours)	20,000h
Switching Cycles	15,000 On / OFF

LIGHT CHARACTERSTICS

Rated Luminous Flux	1973lm	2621lm
Color Rendering Index (CRI)	>80	
Displacement Factor	>0.9	
Efficacy	110lm/W	109lm/W
Beam Angle	30°	
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.



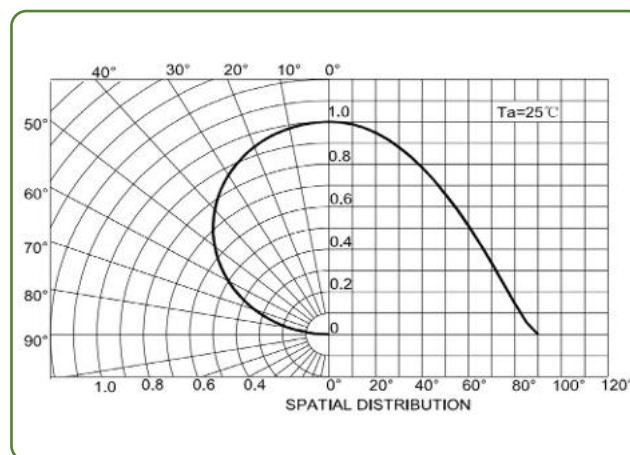
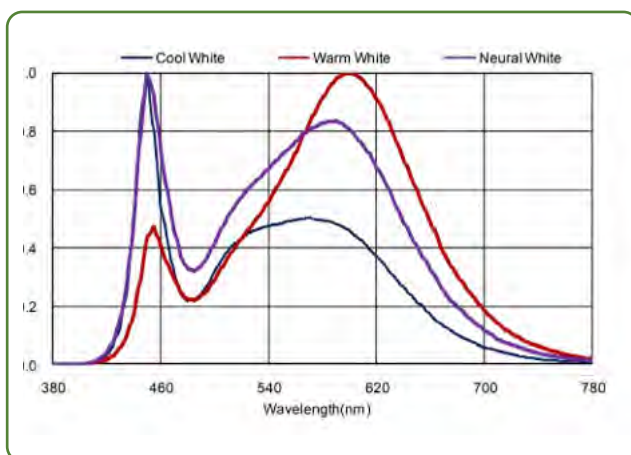
Description

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	300	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	3.0	--	3.0	V
Luminous flux		Φ	140	--	150	Lm
Viewing angle at 50% Iv		2θ 1/2	--	120	--	Deg
Reverse current	Vr=5V	Ir	0	0	1	μA
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

Driver Data Sheet

1. Input & Output Parameters for 18W-24W :

Parameter	Min	Normal	Max
Input Voltage (Vac)	85V	220V	265V
Input Power	18W	20W	24W
Power Factor	0.9	0.9	0.9
Output Voltage (Vdc)	52V	70V	75V
Output Current (mA)	290mA	290mA	290mA
Efficiency	85%	85%	85%
Surge	2.5KV	2.5KV	2.5KV

Ordering Information

Model No.	Power	CCT	CBM
AD/LMS-P001-18W-3K	18W	3000K	
AD/LMS-P001-18W-4K		4000K	
AD/LMS-P001-18W		6500K	
AD/LMS-P002-24W-3K	24W	3000K	
AD/LMS-P002-24W-4K		4000K	
AD/LMS-P002-24W		6500K	