

OUTDOOR LED SPIKE LIGHT



MODEL: AD/LMS-G0 - W- K

Classification IP65

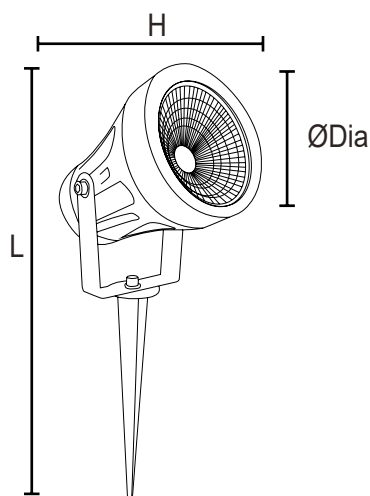
Application LED Spike Light – Versatile and durable outdoor LED fixture with a ground spike for easy installation. Provides focused, energy-efficient illumination to accentuate landscapes, gardens, and architectural elements with superior weather resistance and adjustable beam direction.

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	POWER	D(MM)	H(MM)	L(MM)	WEIGHT(KG)	LUMENS
AD/LMS-G002-7W	7W	Ø60	90	85	0.227	575lm
AD/LMS-G001-12W	12W	Ø80	95	110	0.431	911lm
AD/LMS-G012-1-12W	12W	Ø130	90	100	0.757	1268lm
AD/LMS-G012-2-12W	12W	Ø105	90	150	0.437	754lm
AD/LMS-G013-10W	10W	Ø80	280	110	0.488	657lm

Technical Parameters

	AL ADWAA				
Power	7W	12W	12W	12W	10W
Light Source	COB Chip				
Color Temperature	3000K/4000K/6500K				
Ingress Protection	IP65				
Input Voltage, Frequency	AC85-265V, 50/60 Hz				
Ambient Temperature (Ta)	-10...50°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	575lm	911lm	1268lm	754lm	657lm
Color Rendering Index (CRI)	>80				
Displacement Factor	>0.9				
Efficacy	65lm/W	75lm/W	105lm/W	110lm/W	70lm/W
Beam Angle	N/A				
Lamp Type	Direct				
Color Consistency	< 6 Step MacAdam Ellipse				
Non-Dimmable Light	YES				
Lumen Maintenance	>80%				
Starting Time	< 1 Second				

CHIP DATA SHEET

COB 1X7W

COB 1X10W

COB 1X12W

Features & Benefits

- Extremely wide viewing angle.
- Suitable for all soldering process.
- Low thermal resistance.
- Moisture sensitivity level: Level 5.
- RoHS compliant.



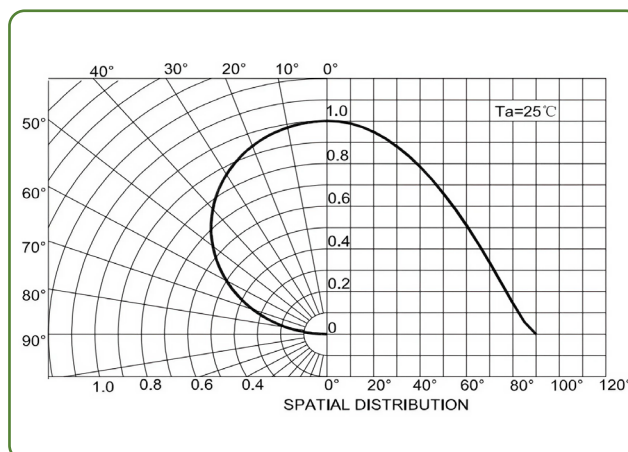
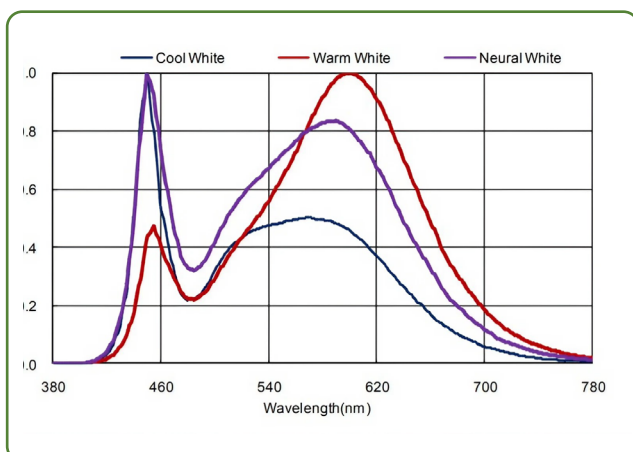
Description

This TYF COB package has high efficacy, high Ra, low power consumption, wide viewing angle and a compact form factor. These features make the package an ideal LED for lighting applications.



Applications

- Indoor general lighting
- Spotlights
- Downlights
- Uplights



1. Photoelectric parameters for 7W:

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS
Limiting power	P	--	7.0	--	W
Forward Voltage	VF	21	22	23	V
Forward Current	IF	--	300	--	mA
Operating Temperature	TC	-40	--	85	°C
Junction Temperature	Tj	--	--	125	°C
Storage Temperature	Tstg	-40	--	105	°C
ESD Sensitivity	ESD	--	--	2000	V
Reverse Voltage	VR	Reverse testing is not allowed			/
Reverse Current	IR	--	--	5	μA
Soldering Temperature	Tsld	350°C/3-5sec.	--	--	°C/S
Luminous flux	Φ	--	125	--	Lm

2. Photoelectric parameters for 10W:

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS
Limiting power	P	--	10.0	--	W
Forward Voltage	VF	30	31	33	V
Forward Current	IF	--	300	--	mA
Operating Temperature	TC	-40	--	85	°C
Junction Temperature	Tj	--	--	125	°C
Storage Temperature	Tstg	-40	--	105	°C
ESD Sensitivity	ESD	--	--	2000	V
Reverse Voltage	VR	Reverse testing is not allowed			/
Reverse Current	IR	--	--	5	μA
Soldering Temperature	Tsld	350°C/3-5sec.	--	--	°C/S
Luminous flux	Φ	--	125	--	Lm

3. Photoelectric parameters for 12W:

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS
Limiting power	P	--	12	--	W
Forward Voltage	VF	24	30	36	V
Forward Current	IF	--	300	--	mA
Operating Temperature	TC	-40	--	85	°C
Junction Temperature	Tj	--	--	125	°C
Storage Temperature	Tstg	-40	--	105	°C
ESD Sensitivity	ESD	--	--	2000	V
Reverse Voltage	VR	Reverse testing is not allowed			/
Reverse Current	IR	--	--	5	μA
Soldering Temperature	Tsld	350°C/3-5sec.	--	--	°C/S
Luminous flux	Φ	--	125	--	Lm

Driver Data Sheet

1. Input & Output Parameters for 7W :

Parameter	Min	Normal	Max
Input Voltage (Vac)	85V	220V	265V
Input Power	7W	7W	7W
Power Factor	0.9	0.9	0.9
Output Voltage (Vdc)	24V	24V	24V
Output Current (mA)	260mA	260mA	260mA
Efficiency	85%	85%	85%
Surge	2.5KV	2.5KV	2.5KV

2. Input & Output Parameters for 8-12W :

Parameter	Min	Normal	Max
Input Voltage (Vac)	85V	220V	265V
Input Power	8W	10W	12W
Power Factor	0.9	0.9	0.9
Output Voltage (Vdc)	24V	30V	36V
Output Current (mA)	270mA	270mA	270mA
Efficiency	85%	85%	85%
Surge	2.5KV	2.5KV	2.5KV

Ordering Information

Model No.	Power	CCT	CBM
AD/LMS-G002-7W-3K	7W	3000K	
AD/LMS-G002-7W-4K		4000K	
AD/LMS-G002-7W		6500K	
AD/LMS-G001-12W-3K	12W	3000K	
AD/LMS-G001-12W-4K		4000K	
AD/LMS-G001-12W		6500K	
AD/LMS-G012-1-12W-3K	12W	3000K	
AD/LMS-G012-1-12W-4K		4000K	
AD/LMS-G012-1-12W-		6500K	
AD/LMS-G012-2-12W-3K	12W	3000K	
AD/LMS-G012-2-12W-4K		4000K	
AD/LMS-G012-2-12W		6500K	
AD/LMS-G013-10W-3K	10W	3000K	
AD/LMS-G013-10W-4K		4000K	
AD/LMS-G013-10W		6500K	