

SUSPENDED LED UFO HIGH BAY LIGHT



MODEL: AD/L5001- W01- K

Classification

IP65

Application

UFO highbay lights are energy-efficient fixtures ideal for brightening large indoor and outdoor spaces like warehouses, factories, gyms, and arenas. Designed for high ceilings, they provide uniform lighting that boosts visibility and safety.

Installation

Suspended mount from high ceilings.

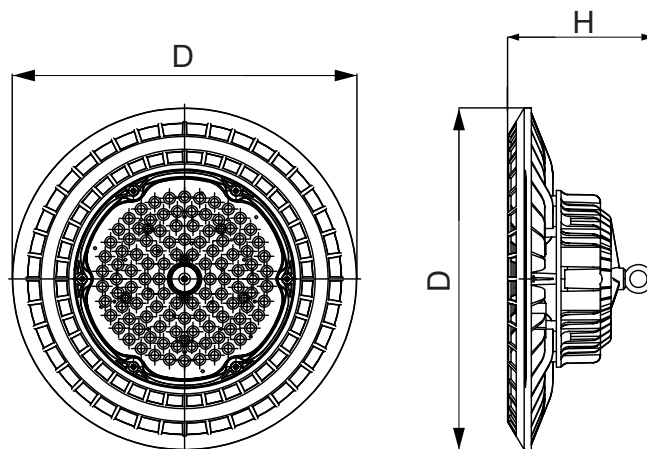
Material

STEEL/ALUMINIUM

Correlated Color Temperature (CCT)

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

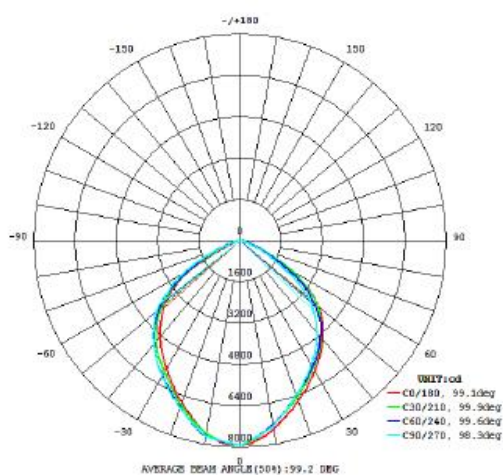
Dimension and Mounting Details



General Specifications

POWER	D(MM)	H(MM)	WEIGHT(KG)	LUMENS
50W	Ø230	100	1.150	5000lm
100W	Ø290	100	1.870	10000lm
150W	Ø345	100	2.50	15000lm
200W	Ø400	100	3.410	20000lm

Light intensity Distribution



Technical Parameters

	AL ADWAA			
Power	50W	100W	150W	200W
Light Source	SMD Chip			
Color Temperature	3000K/4000K/6500K			
Ingress Protection	IP65			
Input Voltage, Frequency	AC110-240V, 50/60Hz			
Ambient Temperature (Ta)	-10...50°C			
Application	Outdoor Use			
Emergency Option	Available with emergency pack for minimum 3 hours			

GENERAL CHARACTERSTICS

Shape	Circular			
Diffuser Type	Lens Plastic			
Light Surface Area (cm)	16	18	22.5	26.5
Finish	Matt			
Life Time (hours)	30,000h			
Switching Cycles	15,000 On / OFF			

LIGHT CHARACTERSTICS

Rated Luminous Flux	5000lm	10000lm	15000lm	20000lm
Color Rendering Index (CRI)	>80			
Displacement Factor	>0.9			
Efficacy	100lm/W			
Beam Angle	100°			
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.

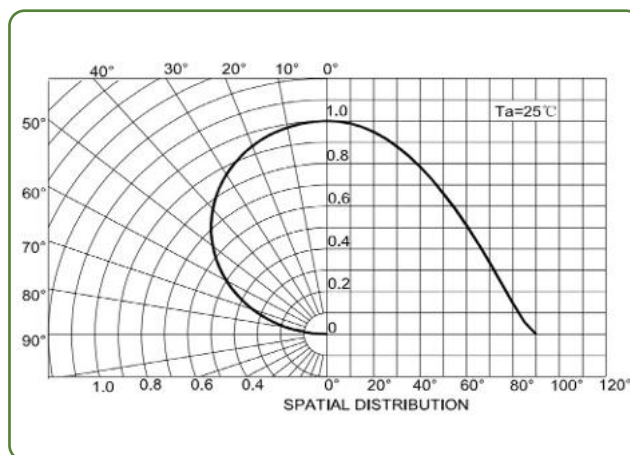
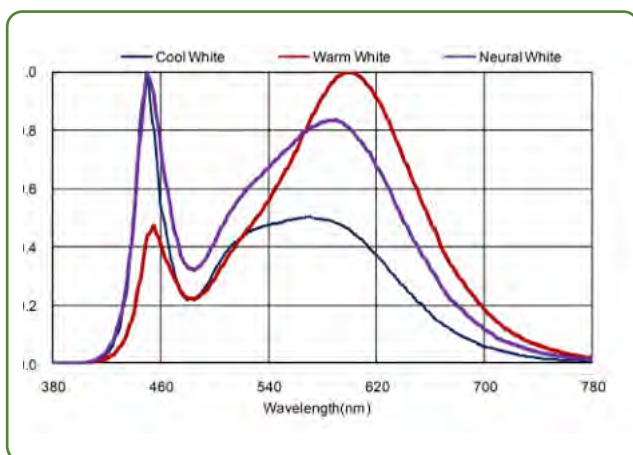


Description

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	140	--	150	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

Driver Data Sheet

LED DRIVER 50W

Input & Output Parameters :

Parameter	Min	Normal	Max
Input Voltage (Vac)	100V	220V	320V
Input Power	52W	55W	61W
Power Factor	0.98	0.991	0.994
Output Voltage (Vdc)	30V	36V	40V
Output Current (mA)	1350mA	1400mA	1450mA
Efficiency	85%	88%	89%
Surge	4KV	4KV	5KV

Ordering Information

Model No.	Power	CCT	CBM
AD/L5001-50W01-3K	50W	3000K	0.0076
AD/L5001-50W01-4K		4000K	
AD/L5001-50W01		6500K	
AD/L5001-100W01-3K	100W	3000K	0.0116
AD/L5001-100W01-4K		4000K	
AD/L5001-100W01		6500K	
AD/L5001-150W01-3K	150W	3000K	0.0162
AD/L5001-150W01-4K		4000K	
AD/L5001-150W01		6500K	
AD/L5001-200W01-3K	200W	3000K	0.0218
AD/L5001-200W01-4K		4000K	
AD/L5001-200W01		6500K	