RECESSED MOUNT LED DEEP DOWNLIGHT





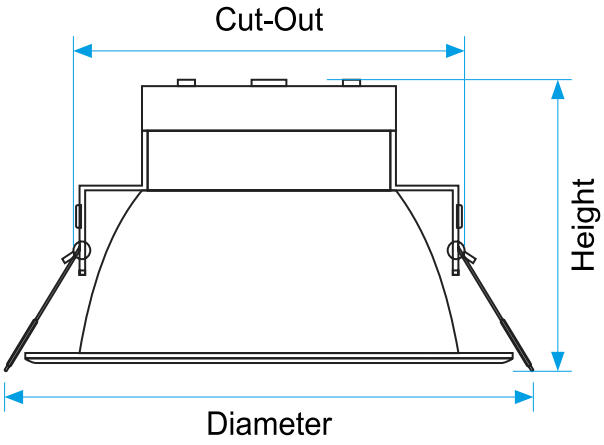




MODEL: AD/L2050-☐W-☐K

Classification	**IP20/ IP40/ IP44**
Application	**Luminaires designed for indoor use for commercial and Exhibition Locations, Hotels,Confrence Room, Factory, Office House, Airport, Metro Station, School, Hospital, and other Public places.**
Installation	**Recessed mount on false ceiling.**
Material	**ALUMINIUM**
Correlated Color Temperature (CCT)	**Cold White 6500K** **Neutral White 4000K** **Warm White 3000K**
Driver	**Driver on Board (DOB)**

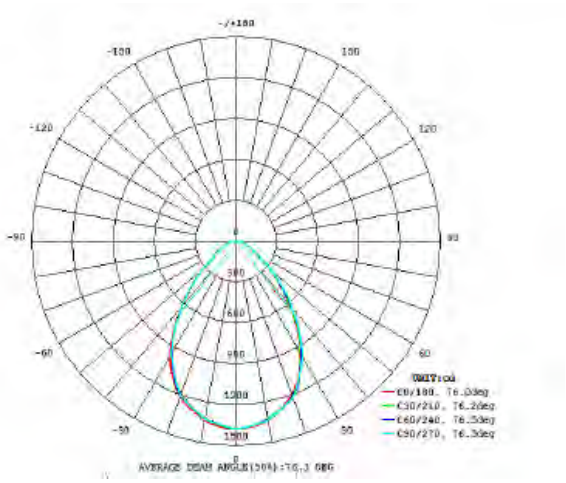
Dimension and Mounting Details



General Specifications

POWER	D(MM)	H(MM)	C(MM)	WEIGHT(KG)	LUMENS
6W	Ø97	46	Ø65	0.090	450lm
10W	Ø120	50	Ø85	0.120	900lm
15W	Ø176	90	Ø130	0.250	1425lm
30W	Ø225	120	Ø175	0.370	2550lm

Light intensity Distribution



Technical Parameters

	AL ADWAA			
Power	6W	10W	15W	30W
Light Source	SMD Chip			
Color Temperature	3000K/4000K/6500K			
Ingress Protection	IP20/IP40/IP44			
Input Voltage, Frequency	AC110-240V, 50/60 Hz			
Ambient Temperature (Ta)	-10...50°C			
Application	Indoor Use			

GENERAL CHARACTERSTICS				
Shape	Circular			
Diffuser Type	Opal Plastic			
Light Surface Area (cm)	Ø6.5	Ø8.5	Ø12.8	Ø17.3
Finish	Matt			
Life Time (hours)	30,000h			
Switching Cycles	15,000 On / OFF			

LIGHT CHARACTERSTICS				
Rated Luminous Flux	450lm	900lm	1425lm	2550lm
Color Rendering Index (CRI)	>80			
Displacement Factor	>0.9			
Efficacy	75lm/W	90lm/W	95lm/W	85lm/W
Beam Angle	90°			
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



Features & Benefits

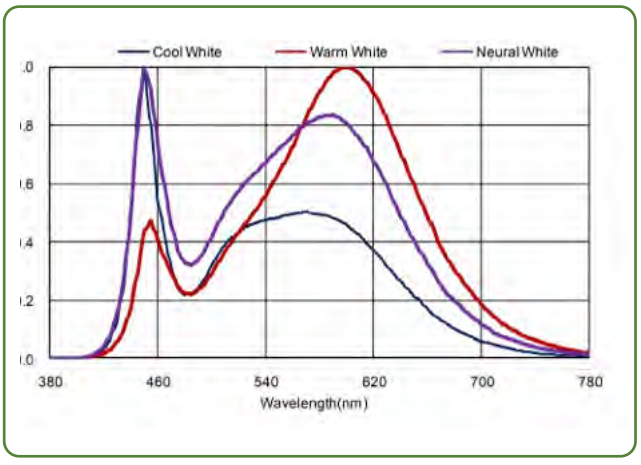
- Extremely wide viewing angle.
- Suitable for all SMT assembly and soldering process.
- Available on tape and reel.
- Moisture sensitivity level: Level 5.
- Package:4,000pcs/reel or 20,000pcs/reel.
- RoHS compliant.

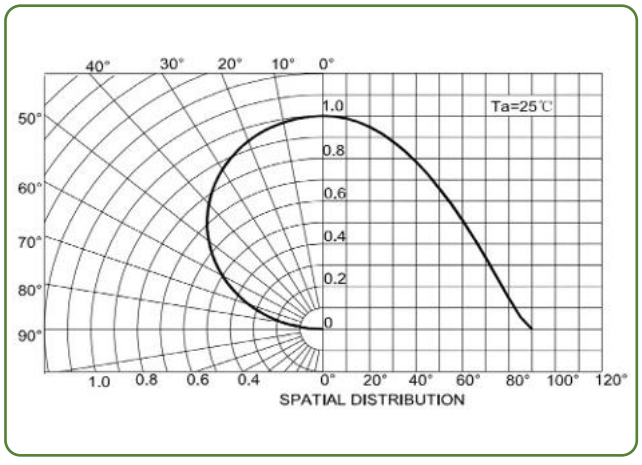
Description

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	100	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	8.8	--	9.1	V
Luminous flux		Φ	135	--	145	Lm
Viewing angle at 50% Iv		20 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/L2050-6W-3K	6W	3000K	0.0316
AD/L2050-6W-4K		4000K	
AD/L2050-6W		6500K	
AD/L2050-10W-3K	10W	3000K	0.0803
AD/L2050-10W-4K		4000K	
AD/L2050-10W		6500K	
AD/L2050-15W-3K	15W	3000K	0.0803
AD/L2050-15W-4K		4000K	
AD/L2050-15W		6500K	
AD/L2050-30W-3K	30W	3000K	0.0933
AD/L2050-30W-4K		4000K	
AD/L2050-30W		6500K	