SURFACE MOUNT LED PANEL BACKLIGHT





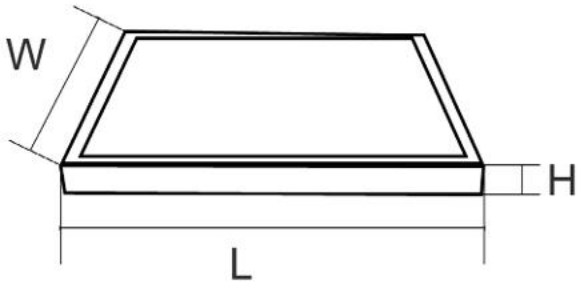




MODEL: AD/L2100-□W□-□K

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	**Surface mount on Wall or Ceiling.**
Material	**STEEL/ALUMINIUM**
Correlated Color Temperature (CCT)	**Cold White 6500K** **Neutral White 4000K** **Warm White 3000K**

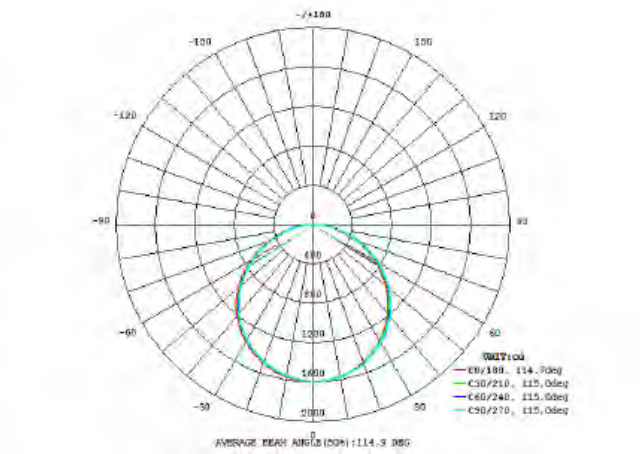
Dimension and Mounting Details



General Specifications

SIZE	POWER	L(MM)	W(MM)	H(MM)	WEIGHT(KG)	LUMENS
60X60	60W	601	601	42	2.260	4800lm
30X120	60W	1216	300	42	2.600	4200lm
30X60	30W	600	300	42	1.260	2400lm
30X30	30W	300	300	42		2400lm
60X120	120W	1208	600	57	7.100	9600lm

Light intensity Distribution



Technical Parameters

	AL ADWAA				
Power	60W	60W	30W	30W	120W
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				
Emergency Option	Available with emergency pack for minimum 3 hours				

GENERAL CHARACTERSTICS					
Shape	Rectangular				
Diffuser Type	Opal Plastic				
Light Surface Area (cm)	55.4X55.4	116.4X25.5	55.5X25.3		116.4X55.4
Finish	Matt				
Life Time (hours)	30,000h				
Switching Cycles	15,000 On / OFF				

LIGHT CHARACTERSTICS					
Rated Luminous Flux	4800lm	4200lm	2400lm	2400lm	9600lm
Color Rendering Index (CRI)	>80				
Displacement Factor	>0.9				
Efficacy	80lm/W	70lm/W	80lm/W	80lm/W	80lm/W
Beam Angle	120°				
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-2835-XXX-3C-Y



Features & Benefits

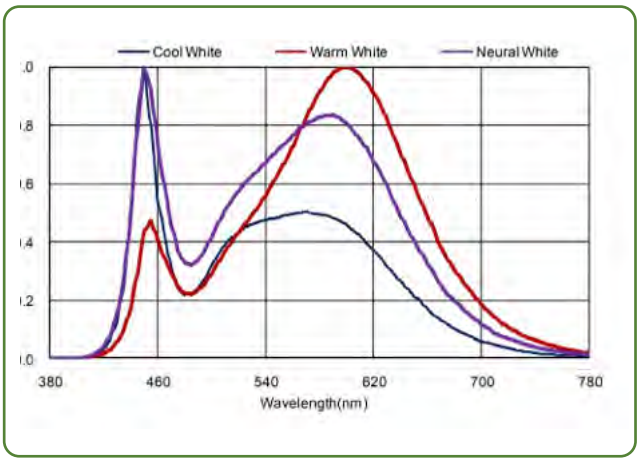
- Extremely wide viewing angle.
- Suitable for all SMT assembly and soldering process.
- Available on tape and reel.
- Moisture sensitivity level: Level 5.
- Package:4,000pcs/reel or 20,000pcs/reel.
- RoHS compliant.

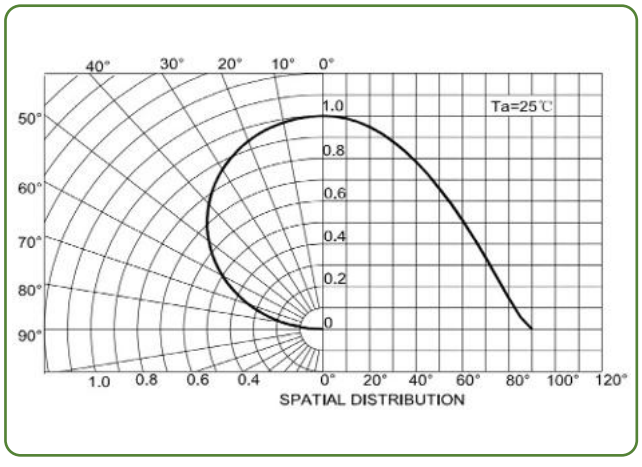
Description

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	100	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	150	mA
Electrostatic Discharge HBM)	ESD	2000(HBM)	V
Work lamp bead foot temperature	Tp	≤85	°C

Electrical-optical characteristics(Ta=25°C)

PARAMETER	TEST CONDI-TION	SYMBOL	MIN	TYPICAL	MAX	UNITS
Forward voltage	If=150mA	Vf	9.0	--	9.9	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	--	--	115	°C
Thermal Resistance (Junction /Soldering point)		Rthj-s	--	18	--	°C/W

Notes:
1. Luminous flux measurement tolerance: ±5%
2. Forward voltage tolerance is ±0.1V
3. CRI measurement tolerance: ±2

Drivers Data Sheet

Dimensions :

Driver Type	Model No.	Length	Width	Height
LED DRIVER 30W	ADD30W300mA	100mm	36mm	23mm
LED DRIVER 60W	ADD60W500mA	78mm	41mm	19mm

1. Input & Output Parameters for 30W :

Parameter	Min	Normal	Max
Input Voltage (Vac)	85V	220V	265V
Input Power	25.8W	28.4W	35.1W
Power Factor	0.90	0.90	0.90
Output Voltage (Vdc)	80V	88V	110V
Output Current (mA)	290mA	292mA	293mA
Efficiency	85.1%	89.3%	90%
Surge	0.5KV	0.5KV	0.5KV

2. Input & Output Parameters for 60W :

Parameter	Min	Normal	Max
Input Voltage (Vac)	100V	220V	265V
Input Power	51.21W	58.4W	59.9W
Power Factor	0.90	0.90	0.90
Output Voltage (Vdc)	60V	65V	70V
Output Current (mA)	750mA	800mA	850mA
Efficiency	87%	87%	87%
Surge	0.5KV	0.5KV	0.5KV

Ordering Information

Model No.	Power	CCT	CBM
AD/L2100-60W01/Sur-3K	60W	3000K	
AD/L2100-60W01/Sur-4K		4000K	
AD/L2100-60W01/Sur		6500K	
AD/L2100-60W02/Sur-3K	60W	3000K	
AD/L2100-60W02/Sur-4K		4000K	
AD/L2100-60W02/Sur		6500K	
AD/L2100-30W03/Sur-3K	30W	3000K	
AD/L2100-30W03/Sur-4K		4000K	
AD/L2100-30W03/Sur		6500K	
AD/L2100-30W05/Sur-3K	30W	3000K	
AD/L2100-30W05/Sur-4K		4000K	
AD/L2100-30W05/Sur		6500K	
AD/L2100-120W04/Sur-3K	120W	3000K	
AD/L2100-120W04/Sur-4K		4000K	
AD/L2100-120W04/Sur		6500K	