



Up-shine[®] Lighting



Technical Application
Guide For UP-SHINE
Surface Mounted
LED Downlight
UP-DL38-15W

Introduction



DL38 surface mounted downlight adopts straightforward design with stylish appearance, easy to install. The lamp adopts high quality reflector which has good reflective rate and light output > 86%. AL6063 Aluminum body with oxidation treatment provides corrosion resistance and excellent heat dissipation performance. LEDs are high lumen COB chip with CRI>80. Built-in driver is independent and replaceable, which is friendly maintenance. PF>0.9, THD<20%, passed EMC test with strong anti-jamming capability. Besides, it possesses short-circuit protection and overvoltage protection function, showing high safety performance.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- Dimmable when using triac dimmer
- 60° wide beam angle
- CCT: 2700K 3000K
4000K 5000K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

Application notes

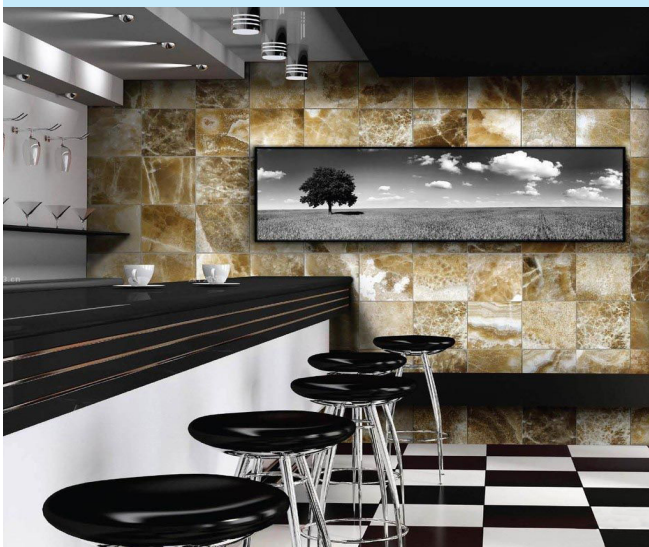
- IP54 for indoor use only
- Professional electrician for installation only
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

Application Areas

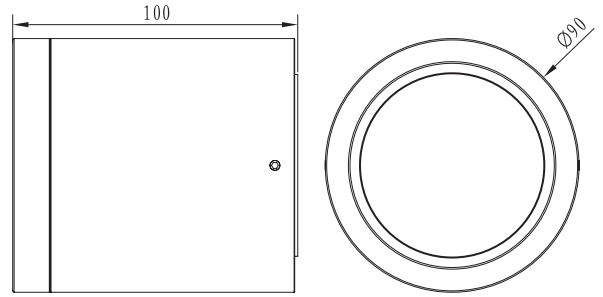
Up-shine 15W downlight is designed for general lighting applications in hotel, home, office, shop etc. It is also widely used for public areas such as stairway, lobby, reception, corridors etc.

Certificate

CE RoHS



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-DL38-15W	AC100-240V	15W	≥0.9	1300	60°	2700K	40000h	≥80	No	Ø90*100mm
UP-DL38-15W	AC100-240V	15W	≥0.9	1470	60°	3000K	40000h	≥80	No	Ø90*100mm
UP-DL38-15W	AC100-240V	15W	≥0.9	1580	60°	4000K	40000h	≥80	No	Ø90*100mm
UP-DL38-15W	AC100-240V	15W	≥0.9	1600	60°	5000K	40000h	≥80	No	Ø90*100mm
UP-DL38-15W-D	AC230V	15W	≥0.9	1240	60°	2700K	40000h	≥80	Yes	Ø90*100mm
UP-DL38-15W-D	AC230V	15W	≥0.9	1360	60°	3000K	40000h	≥80	Yes	Ø90*100mm
UP-DL38-15W-D	AC230V	15W	≥0.9	1470	60°	4000K	40000h	≥80	Yes	Ø90*100mm
UP-DL38-15W-D	AC230V	15W	≥0.9	1490	60°	5000K	40000h	≥80	Yes	Ø90*100mm

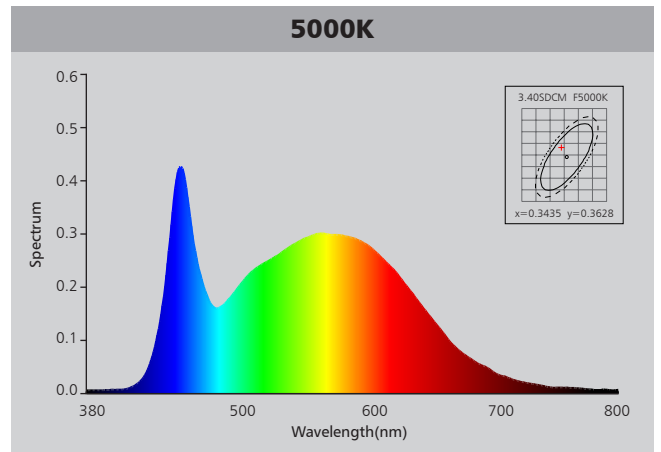
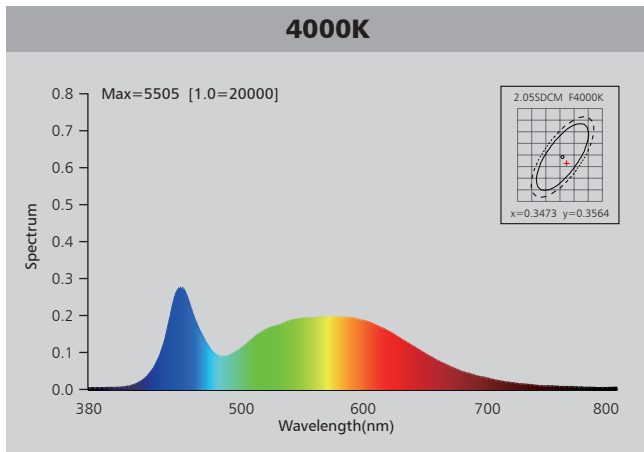
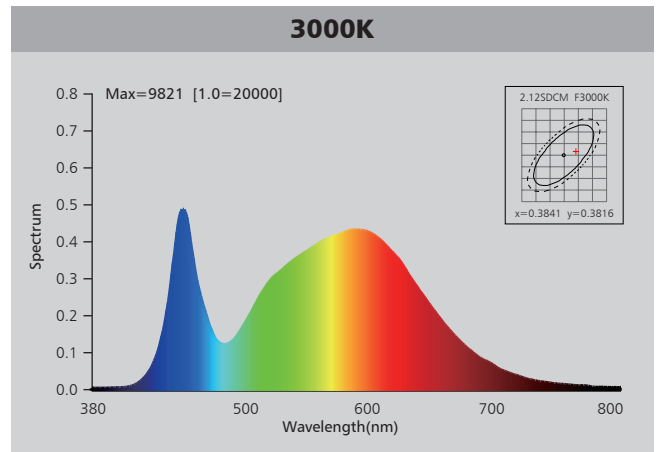
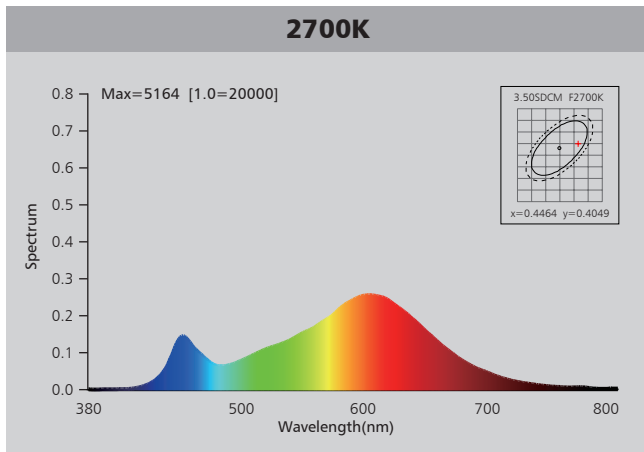
Driver data Sheet

Driver data	DIM	Non-dim
Input rated Voltage	AC230V	AC100-240V
Frequency	50HZ	50/60Hz
Input Voltage	AC200-240V	AC85-265V
Efficiency	≥83%	≥85%
Total load Wattage	15W±1W	15W±1W
Power Factor	≥0.9	≥0.9
Rated input current	0.09A	≤0.17A
Full load output Voltage	35-38V	35-38V
Rated output current	350mA	360mA
Output current range	350mA	360mA±5%
Power tolerance	±5%	±5%
Current output tolerance	±5%	±5%
Dimming range	8%-100%	—
Dimmer	Triac dimmers	—
Short circuit protection	PASS	PASS
Over voltage protection	PASS	PASS
Over temperature protection	PASS	PASS
Withstand voltage	AC1500V	AC1500V

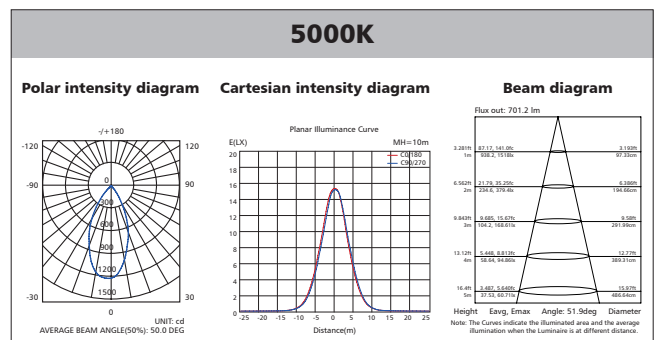
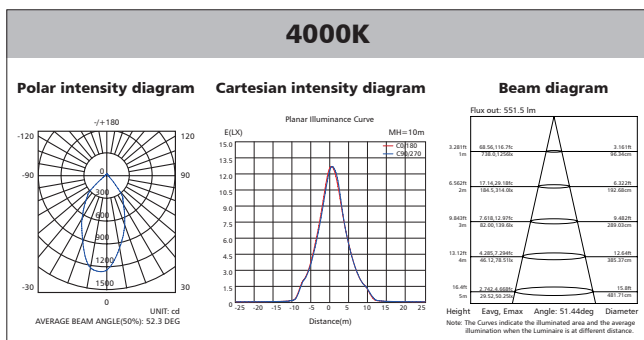
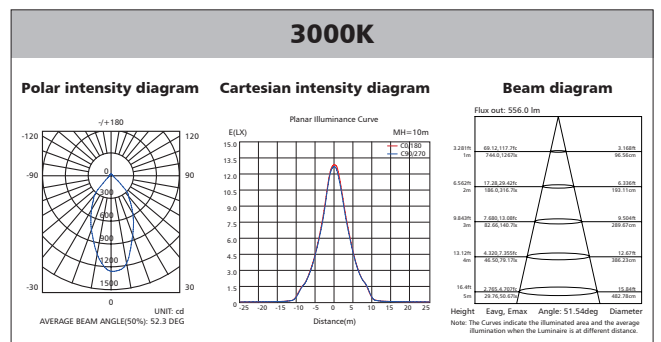
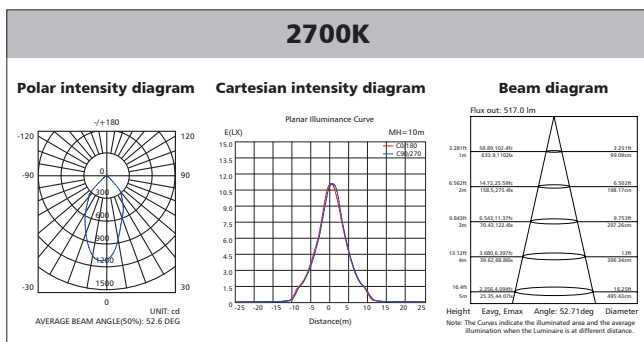
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
15W	I	IP54	-20°C~45°C	0~90%	-20°C~65°C

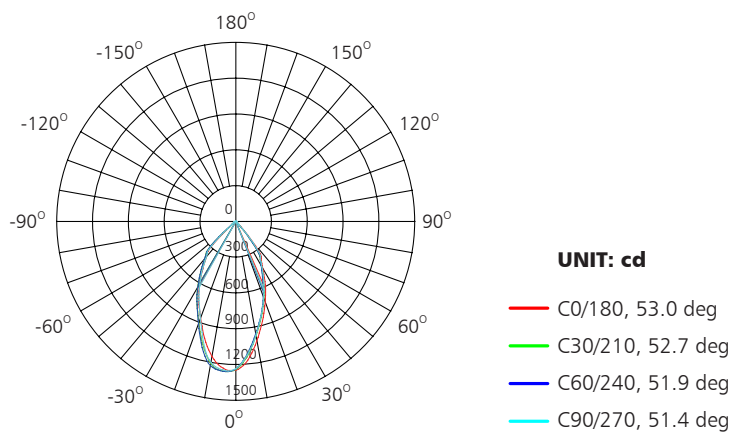
Spectral Distribution



Photometric Diagram



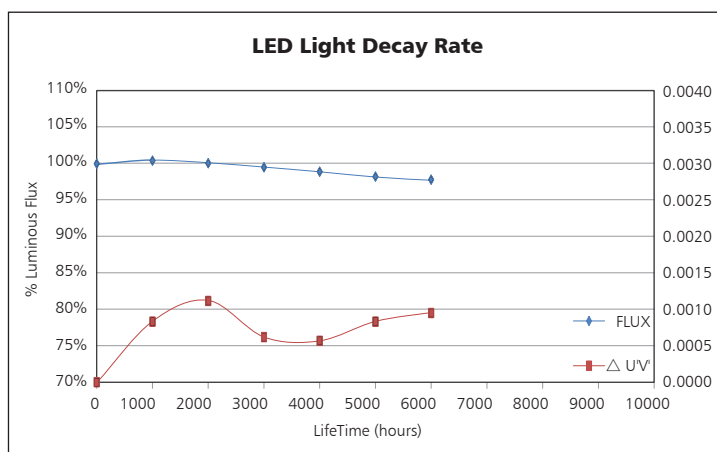
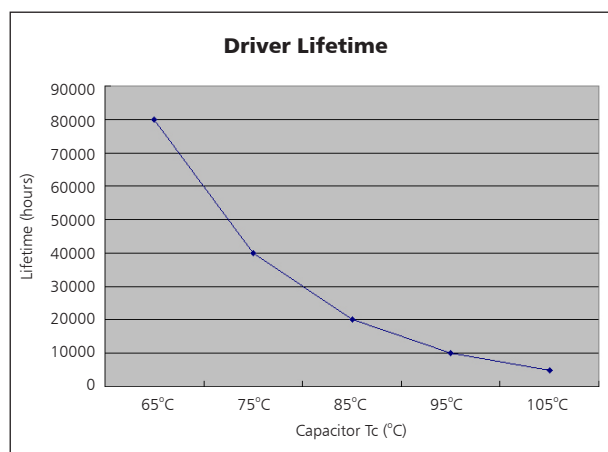
Polar Diagram Comparison



AVERAGE BEAM ANGLE (50%): 52.3DEG

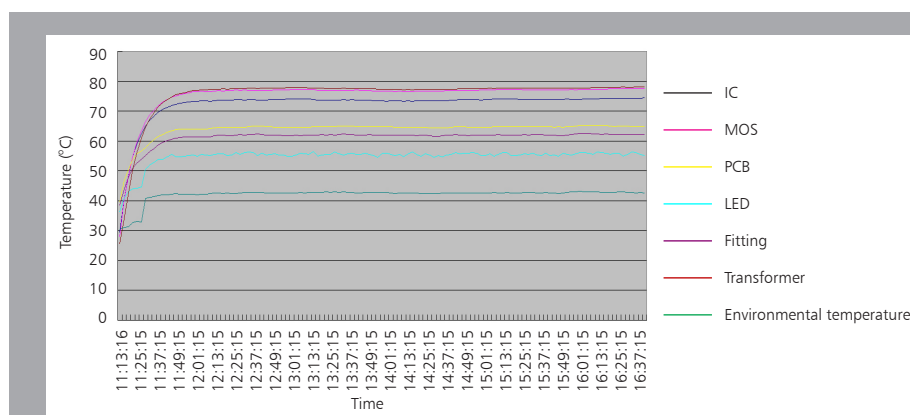


Driver lifetime & LED light decay rate



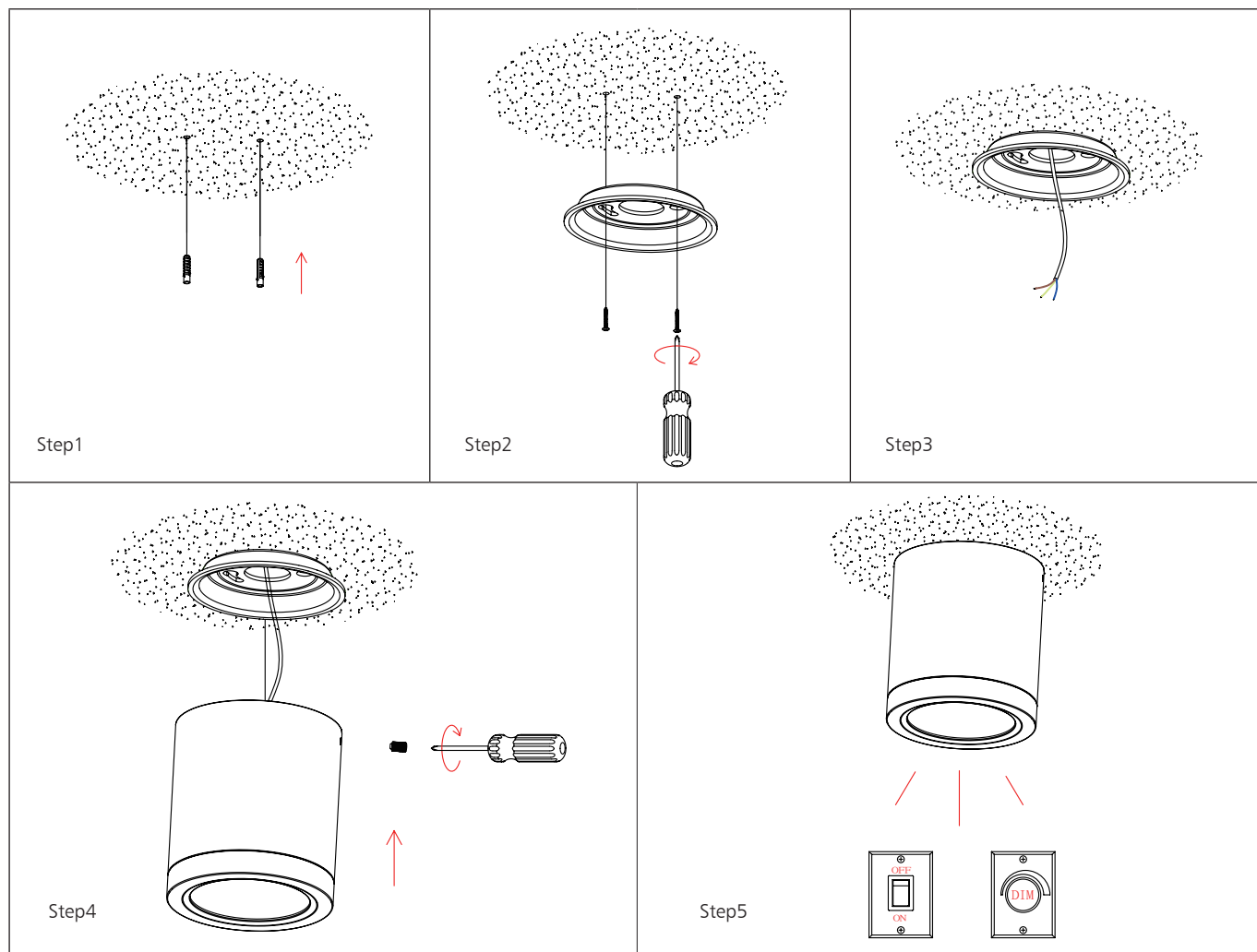
Temperature

- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



The driver lifespan is based on capacitor working temperature.

Installation



Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	50*38*29	0.52	14.5	24

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	499	11976	28
40" standard container	998	23952	56

