



UPSHINE®



Technical Application Guide for UP-SHINE LED Downlight

UP-CL68-20W

Introduction



Up-shine rectangular led recessed light is unique designed with COB high power LED chip.

Anti-glare lens with COB LED provides excellent lighting effect without glare and shadow. Single head, double head and triple head provided for wide choice. Adjustable lighting direction offers various lighting orientation.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- 38° 60° wide beam angle
- L180*W90mm cutout
- CCT: 3000K 4000K
5000K 5700K
- Adjustable and rotary
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

Application notes

- IP20 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

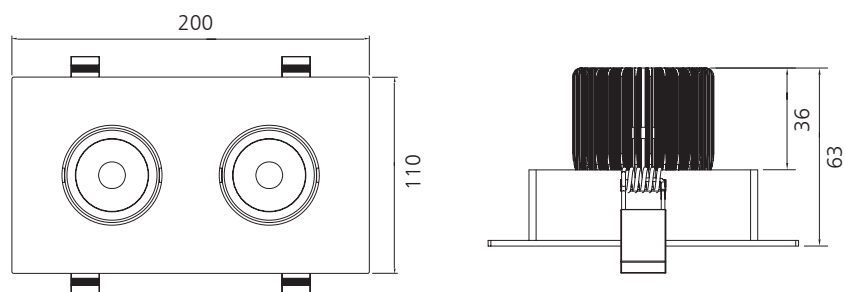
It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.

Certificate

CE RoHS SAA



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimension
UP-CL68-20W	AC100-240V	20W	≥0.9	1500	38° 60°	3000K	40000h	≥80	L200*W110*H63mm cutout L180*W90mm
UP-CL68-20W	AC100-240V	20W	≥0.9	1560	38° 60°	4000K	40000h	≥80	L200*W110*H63mm cutout L180*W90mm
UP-CL68-20W	AC100-240V	20W	≥0.9	1600	38° 60°	5000K	40000h	≥80	L200*W110*H63mm cutout L180*W90mm
UP-CL68-20W	AC100-240V	20W	≥0.9	1650	38° 60°	5700K	40000h	≥80	L200*W110*H63mm cutout L180*W90mm

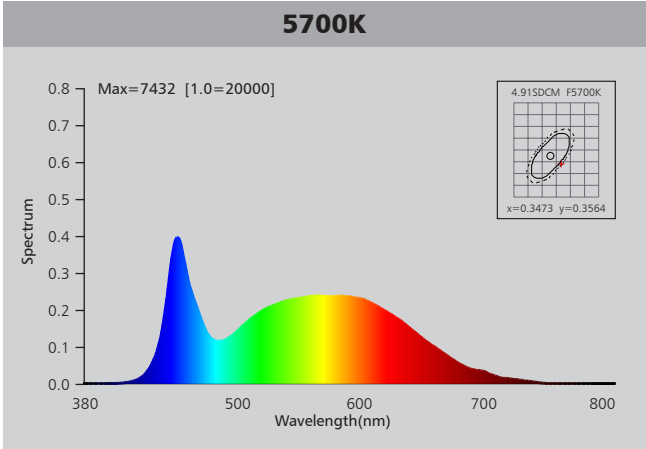
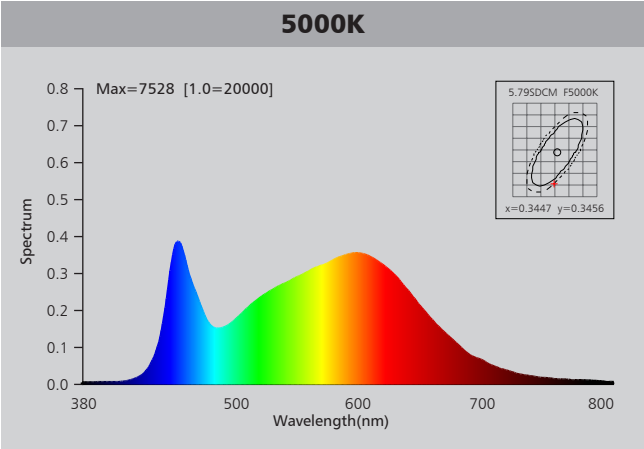
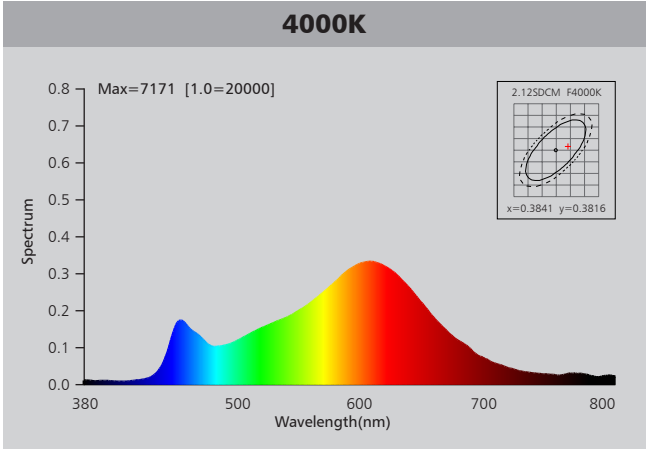
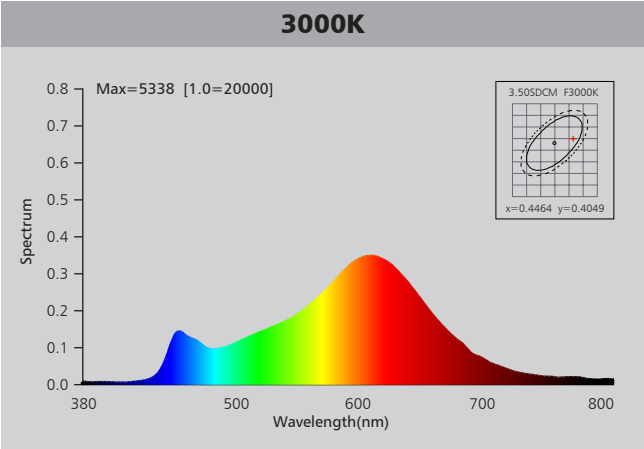
Driver data Sheet

Driver data	Non dim
Input rated Voltage	AC100-240V
Frequency	50/60Hz
Input Voltage	AC85-265V
Efficiency	≥86%
Total load Wattage	20W±5%
Power Factor	≥0.9
Rated input current	≤0.23A
Full load output Voltage	DC35-40V
Rated output current	470mA
Output current range	470mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Dimming range	—
Dimmer	—
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
Withstand voltage	AC3750V

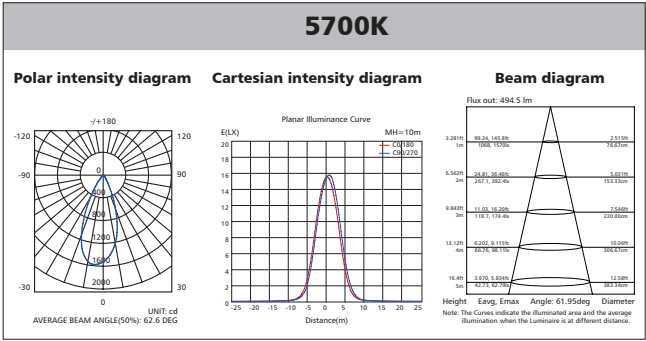
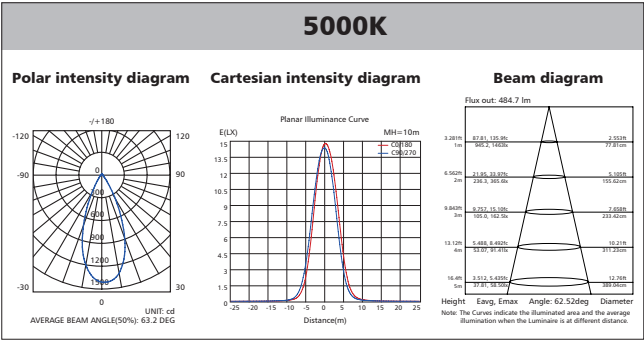
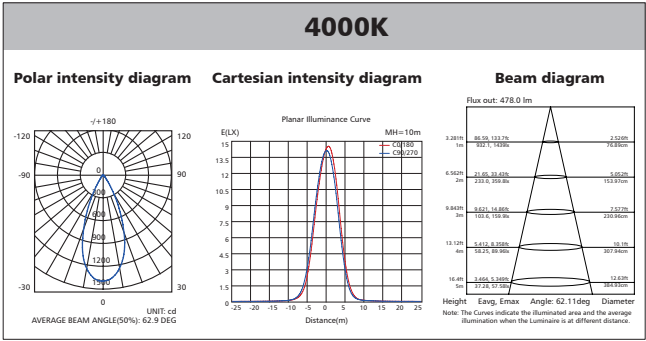
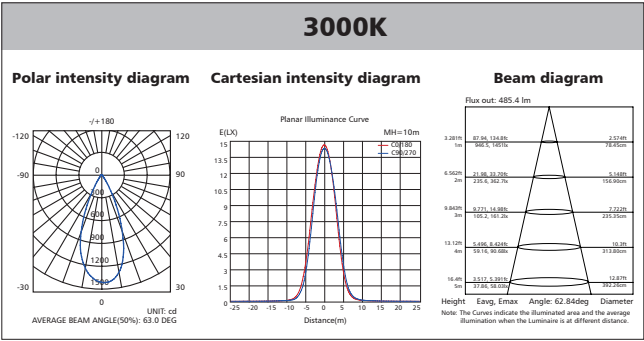
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
20W	II	IP20	-20°C~45°C	0~90%	-20°C~65°C

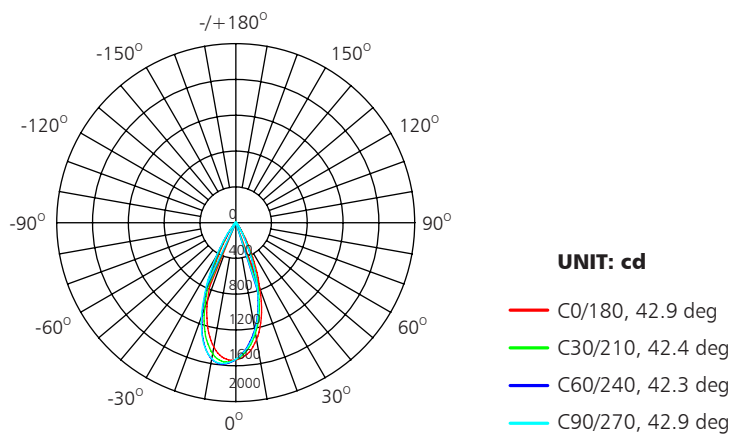
Spectral Distribution



Photometric Diagram



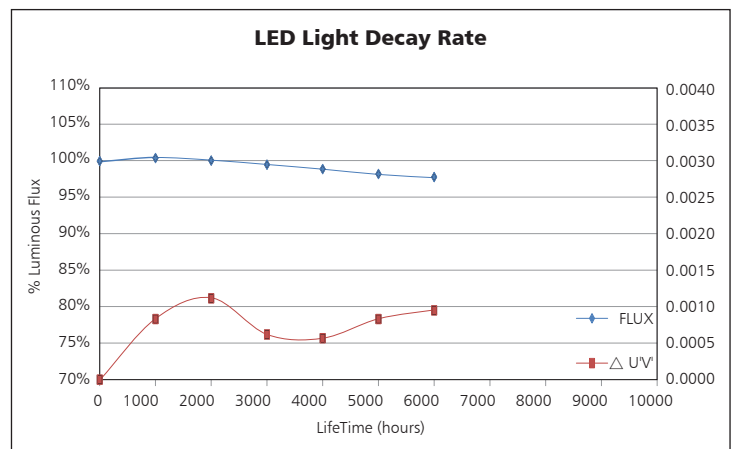
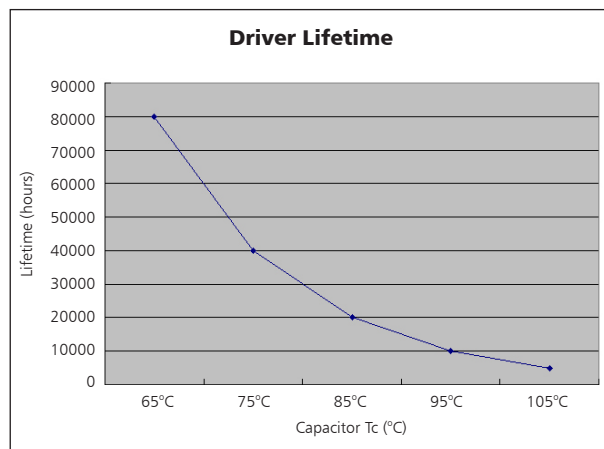
Polar Diagram Comparison



AVERAGE BEAM ANGLE (50%): 42.6DEG

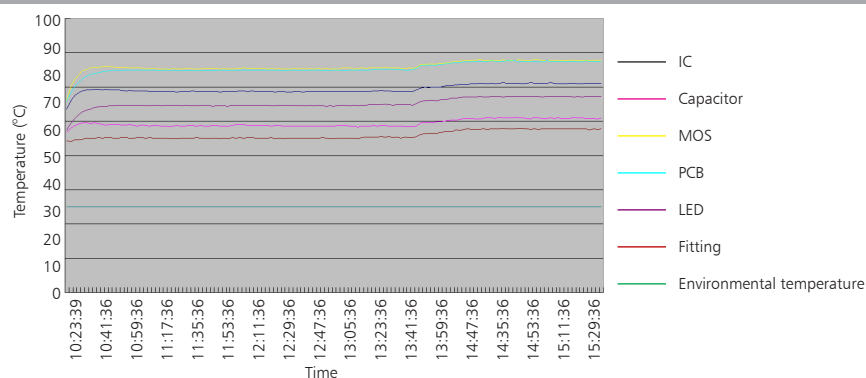


Driver lifetime & LED light decay rate



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

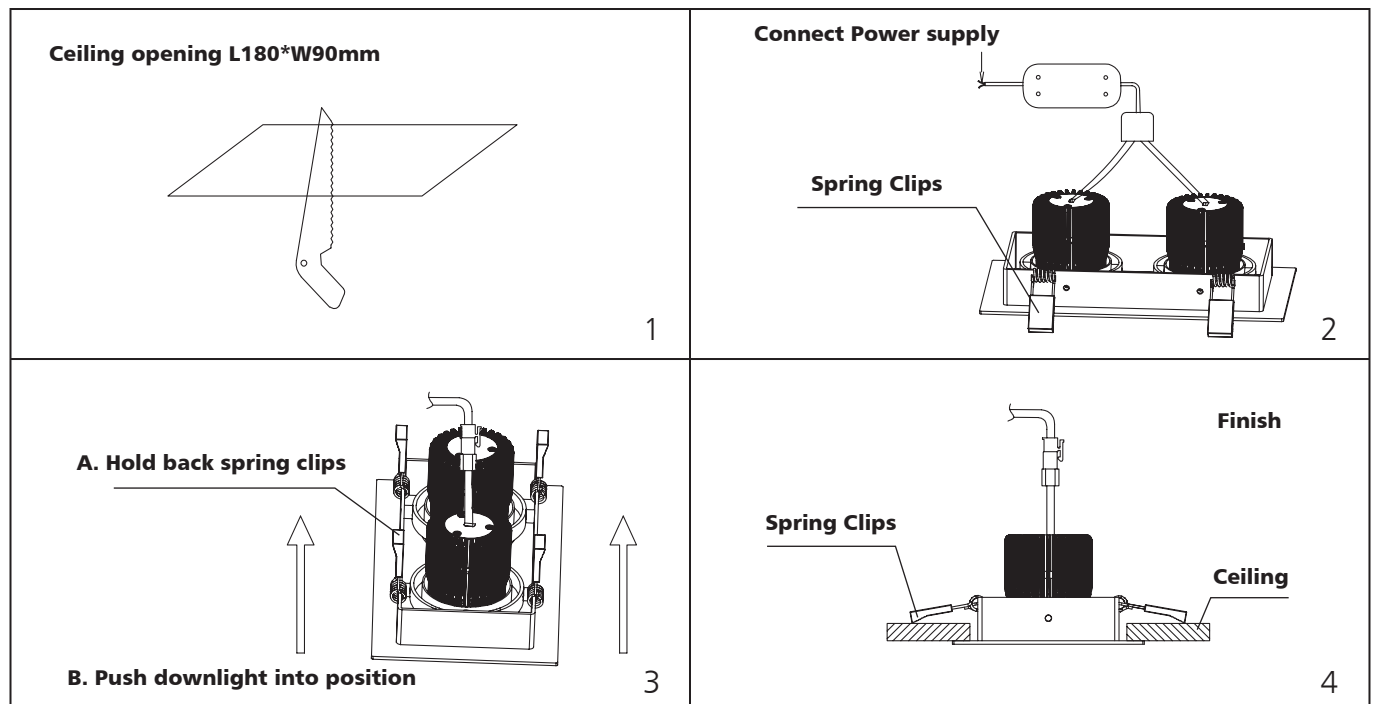
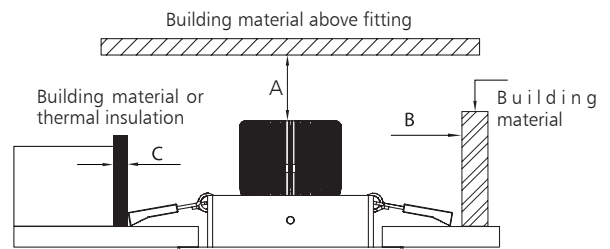


The driver lifespan is based on capacitor working temperature.



Installation

Install requirements	
A-gap above the fitting	25mm
B-gap to the building material	25mm
C-gap to the thermal insulation	25mm



Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	75.5*44*22	0.60	13.5	20

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	375	7500	28
40" standard container	755	15100	56

