



Technical Application Guide for UP-SHINE LED Downlight

UP-CL67-90W

Introduction



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

High efficient reflector with COB LED provides high lumen output and wide beam angle. 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
- 60° wide beam angle
- L455*W160mm 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

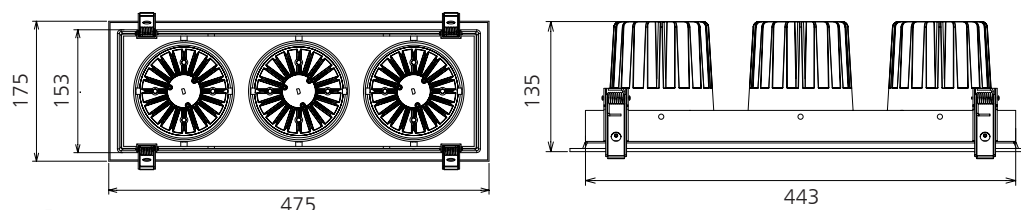
It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.

Certificate

CE RoHS SAA



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimension
UP-CL67-90W	AC230V	90W	≥0.9	8280	60°	3000K	40000h	≥80	L475*W175*H135mm cutout L455*W160mm
UP-CL67-90W	AC230V	90W	≥0.9	8730	60°	4000K	40000h	≥80	L475*W175*H135mm cutout L455*W160mm
UP-CL67-90W	AC230V	90W	≥0.9	9630	60°	5000K	40000h	≥80	L475*W175*H135mm cutout L455*W160mm
UP-CL67-90W	AC230V	90W	≥0.9	9630	60°	5700K	40000h	≥80	L475*W175*H135mm cutout L455*W160mm
UP-CL67-90W-D	AC230V	90W	≥0.9	7920	60°	3000K	40000h	≥80	L475*W175*H135mm cutout L455*W160mm
UP-CL67-90W-D	AC230V	90W	≥0.9	8370	60°	4000K	40000h	≥80	L475*W175*H135mm cutout L455*W160mm
UP-CL67-90W-D	AC230V	90W	≥0.9	9180	60°	5000K	40000h	≥80	L475*W175*H135mm cutout L455*W160mm
UP-CL67-90W-D	AC230V	90W	≥0.9	9180	60°	5700K	40000h	≥80	L475*W175*H135mm cutout L455*W160mm

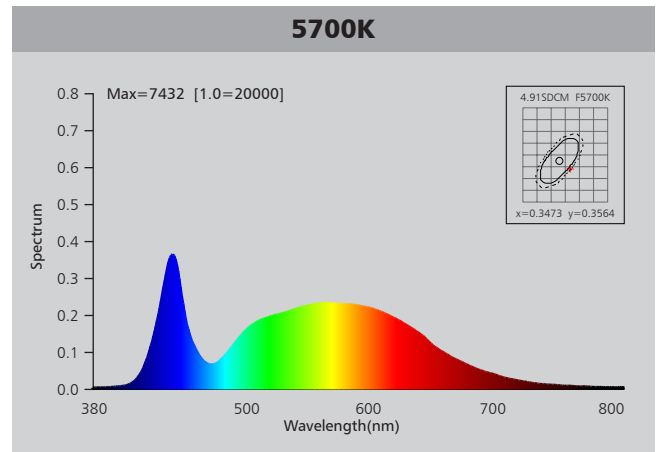
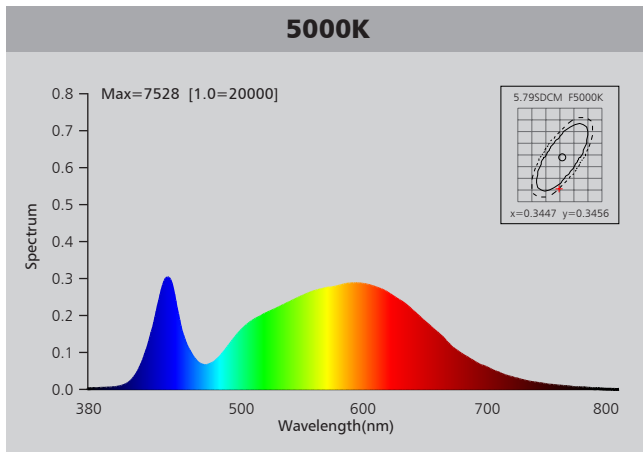
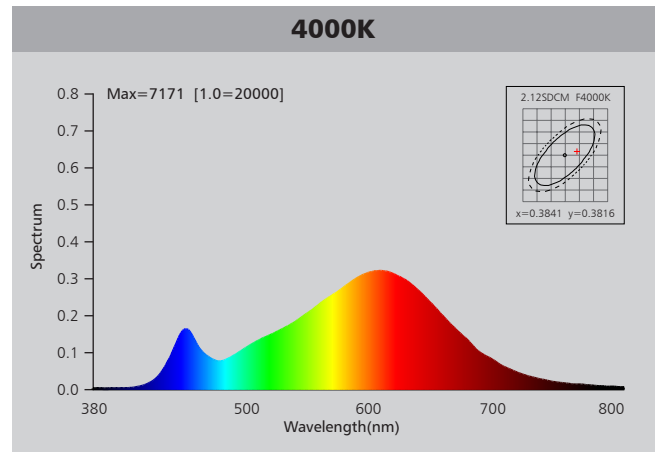
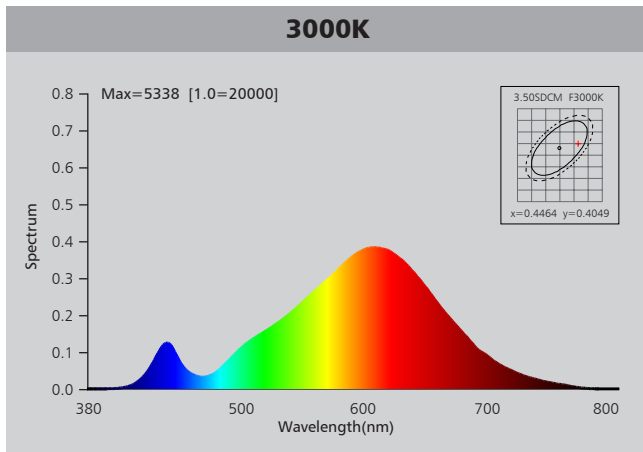
Driver data Sheet

Driver data	DIM	Non dim
Input rated Voltage	AC230V	AC230V
Frequency	50Hz	50Hz
Input Voltage	AC200-240V	AC200-240V
Efficiency	≥85%	≥85%
Total load Wattage	3*30W±5%	3*30W±5%
Power Factor	≥0.9	≥0.9
Rated input current	≤3*0.2A	≤3*0.2A
Full load output Voltage	35-40V	DC35-40V
Rated output current	3*700mA	3*700mA
Output current range	3*700mA±5%	3*700mA±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
THD	≤20%	≤20%
Withstand voltage	AC3750V	AC3750V

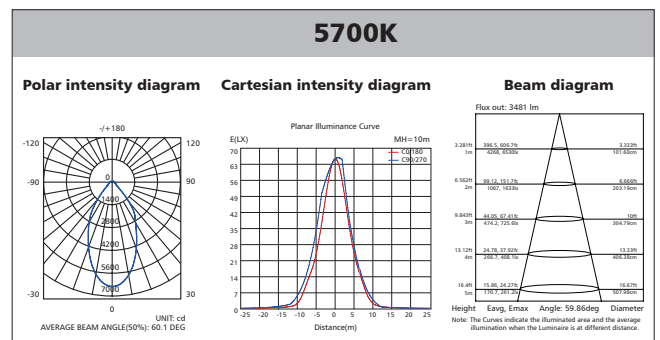
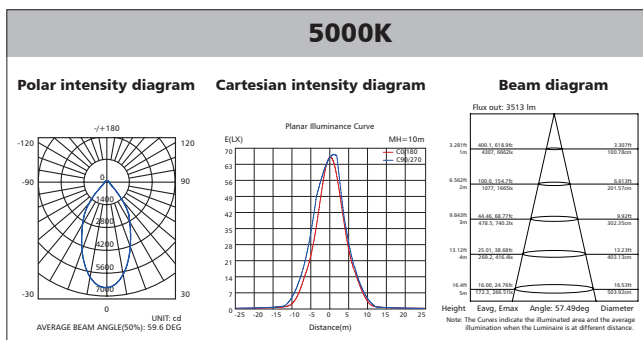
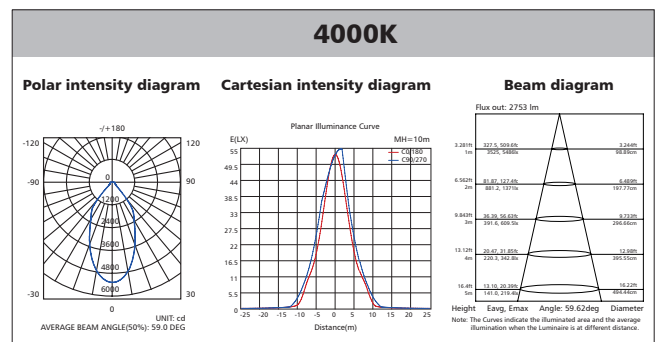
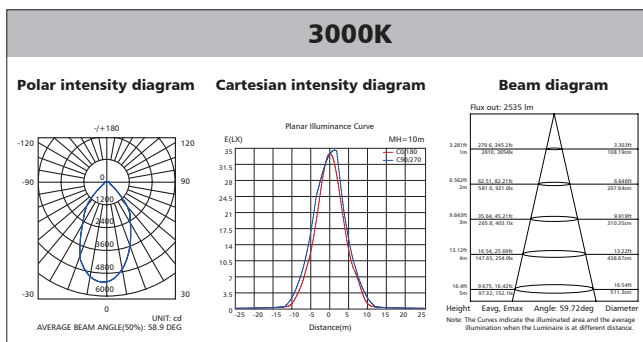
Fixture Compatibility

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

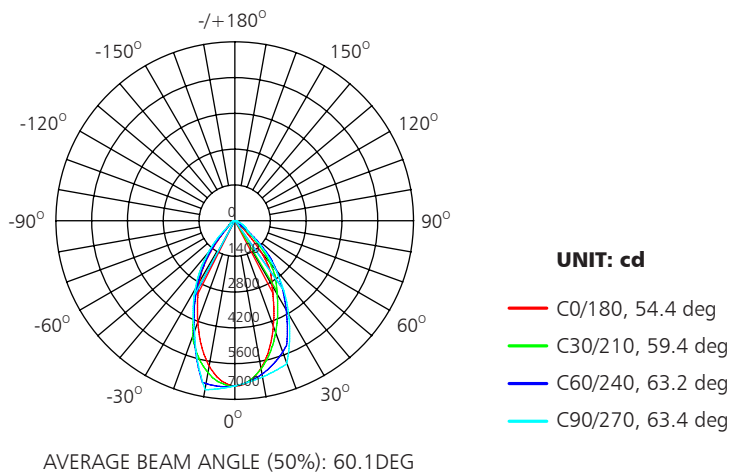
Spectral Distribution



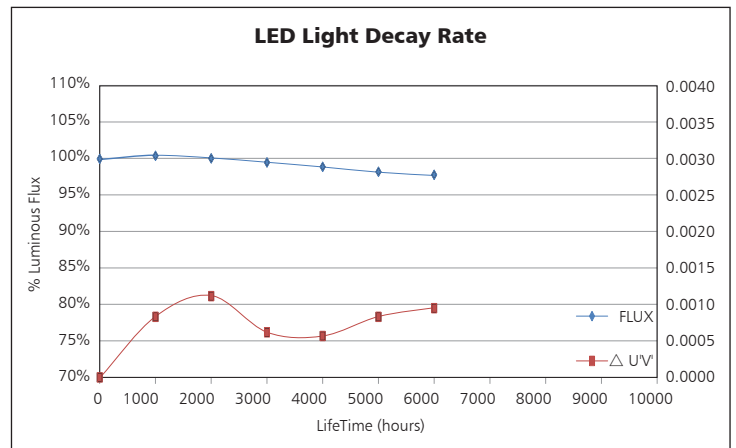
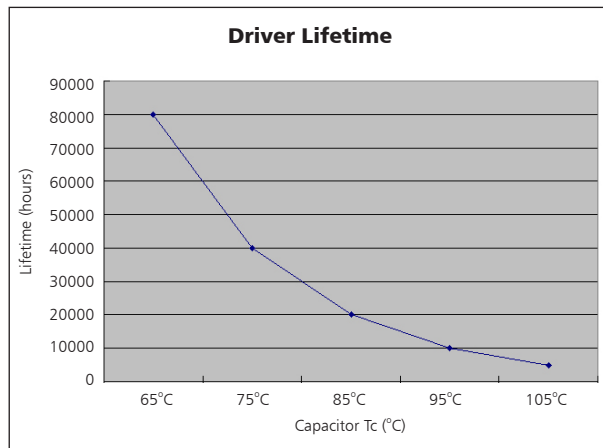
Photometric Diagram



Polar Diagram Comparison

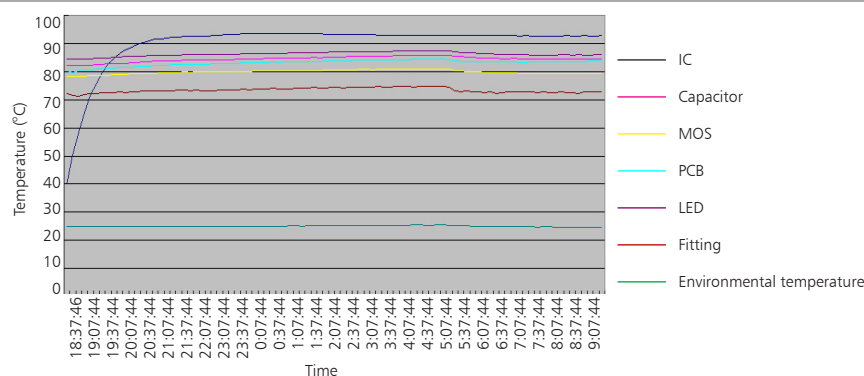


Driver lifetime & LED light decay rate



Temperature

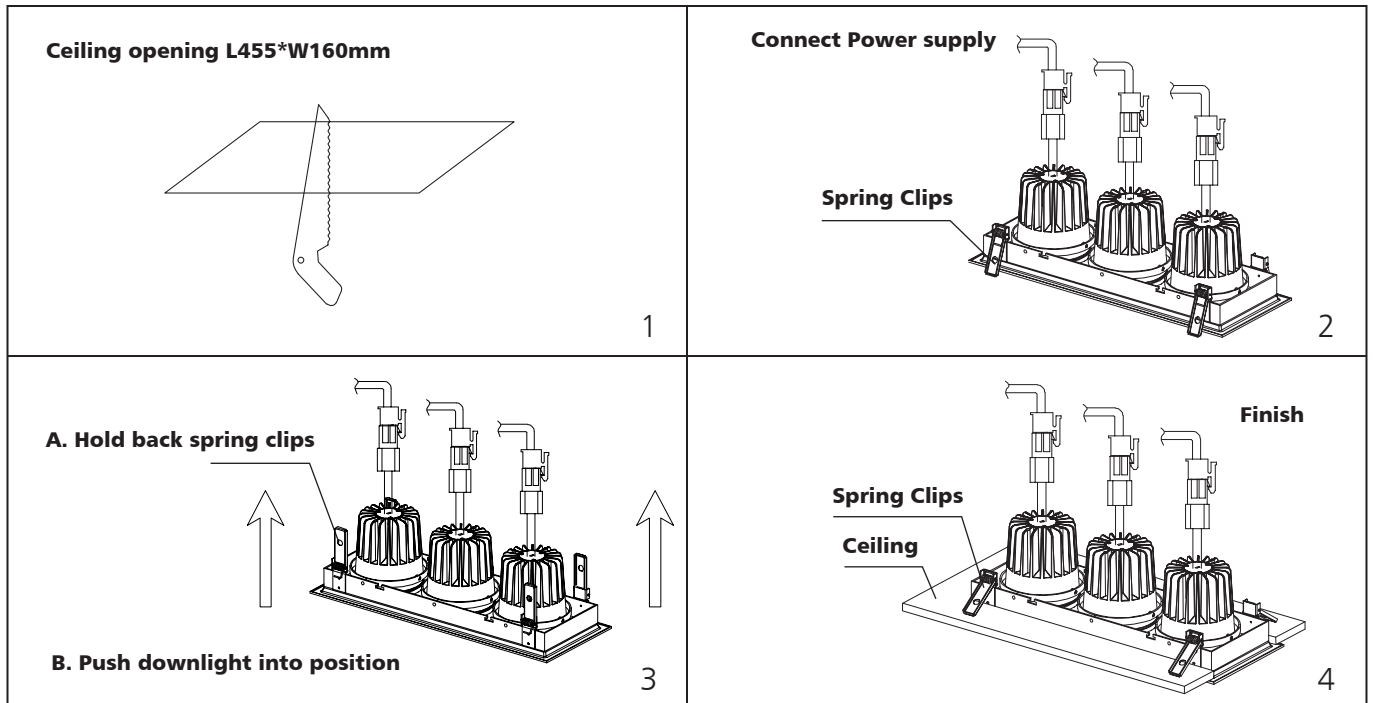
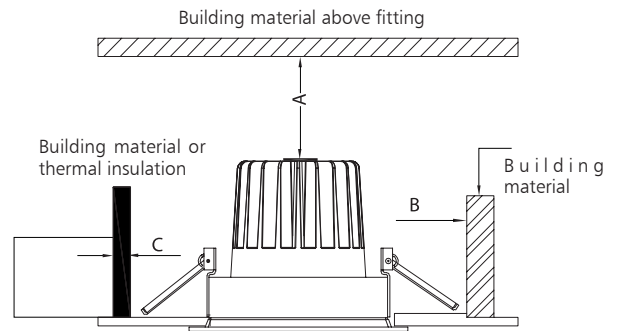
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



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	57*45*35	3.6	15.5	4

	CTNS	Q'TY(PCs)	VOLUME(CBM)
20" standard container	305	1220	28
40" standard container	610	2440	56

