



UPSHINE[®] Lighting



Technical Application Guide for UP-SHINE LED Downlight

UP-CL67-30W

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
- L160*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

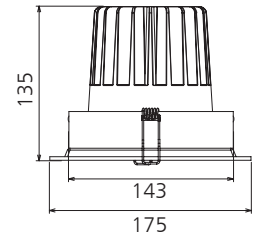
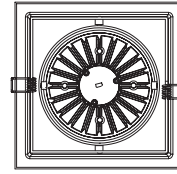
Application Areas

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



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimension
UP-CL67-30W	AC230V	30W	≥0.9	1900	60°	3000K	40000h	≥80	L175*W175*H135mm cutout L160*W160mm
UP-CL67-30W	AC230V	30W	≥0.9	2050	60°	4000K	40000h	≥80	L175*W175*H135mm cutout L160*W160mm
UP-CL67-30W	AC230V	30W	≥0.9	2160	60°	5000K	40000h	≥80	L175*W175*H135mm cutout L160*W160mm
UP-CL67-30W	AC230V	30W	≥0.9	2250	60°	5700K	40000h	≥80	L175*W175*H135mm cutout L160*W160mm
UP-CL67-30W-D	AC230V	30W	≥0.9	1900	60°	3000K	40000h	≥80	L175*W175*H135mm cutout L160*W160mm
UP-CL67-30W-D	AC230V	30W	≥0.9	2050	60°	4000K	40000h	≥80	L175*W175*H135mm cutout L160*W160mm
UP-CL67-30W-D	AC230V	30W	≥0.9	2160	60°	5000K	40000h	≥80	L175*W175*H135mm cutout L160*W160mm
UP-CL67-30W-D	AC230V	30W	≥0.9	2250	60°	5700K	40000h	≥80	L175*W175*H135mm cutout L160*W160mm

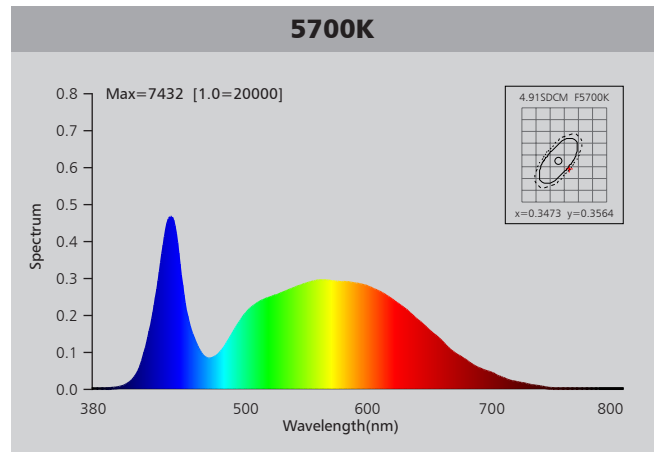
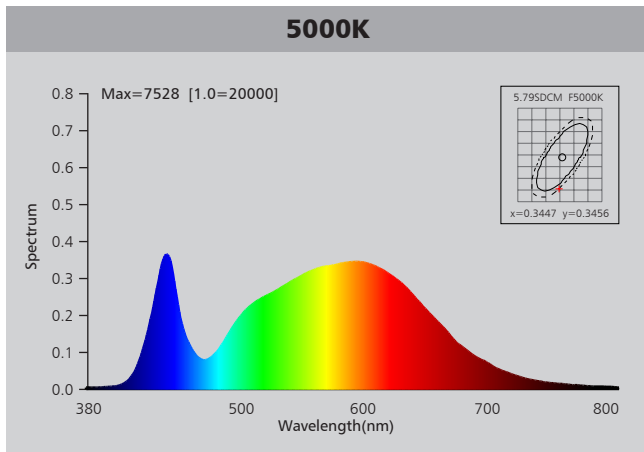
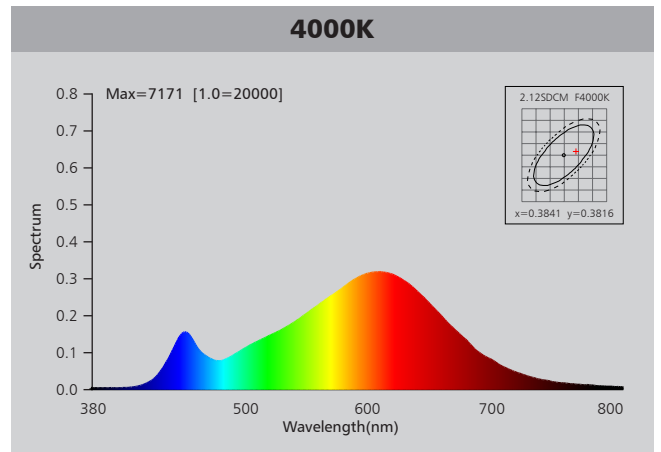
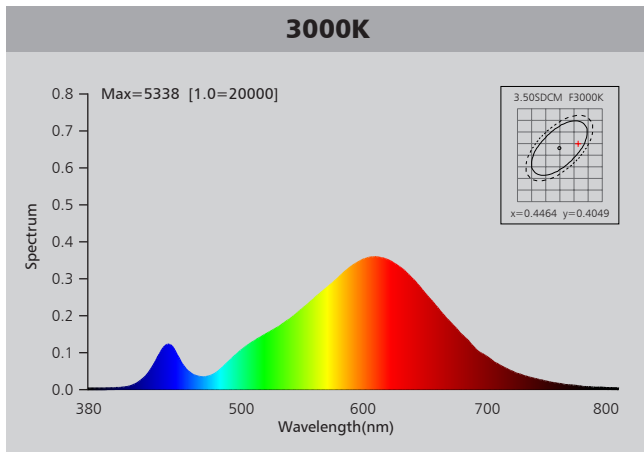
Driver data Sheet

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	30W±5%	30W±5%
Power Factor	≥0.9	≥0.9
Rated input current	≤0.2A	≤0.2A
Full load output Voltage	35-40V	DC35-40V
Rated output current	700mA	700mA
Output current range	700mA±5%	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

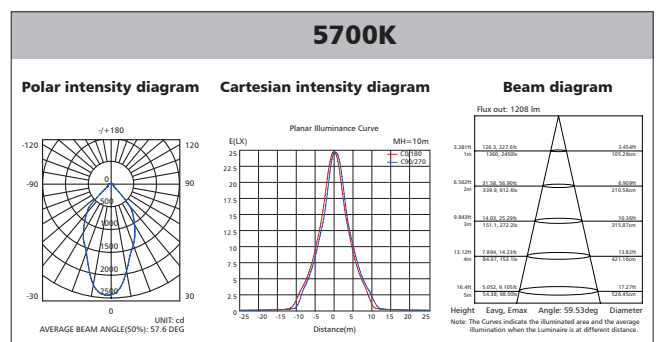
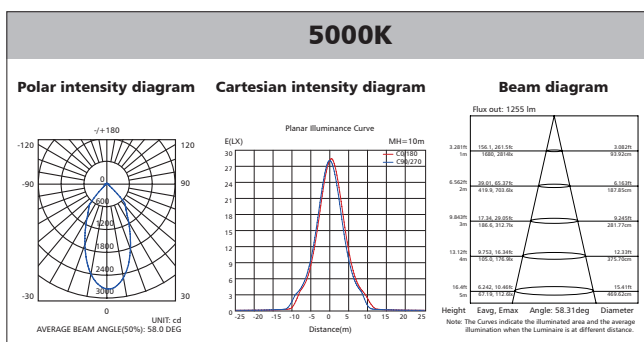
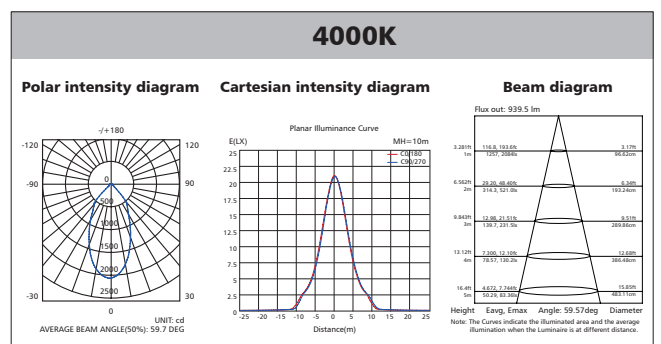
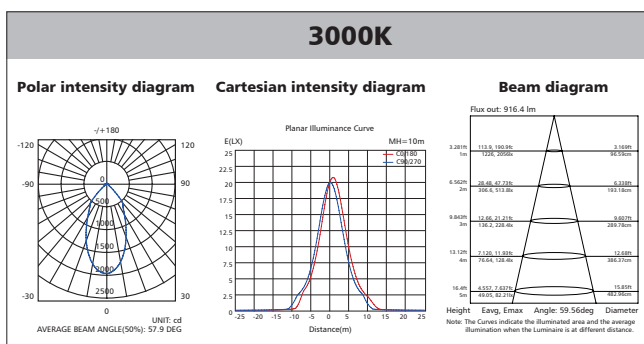
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
30W	II	IP20	-20°C~45°C	0~90%	-20°C~65°C

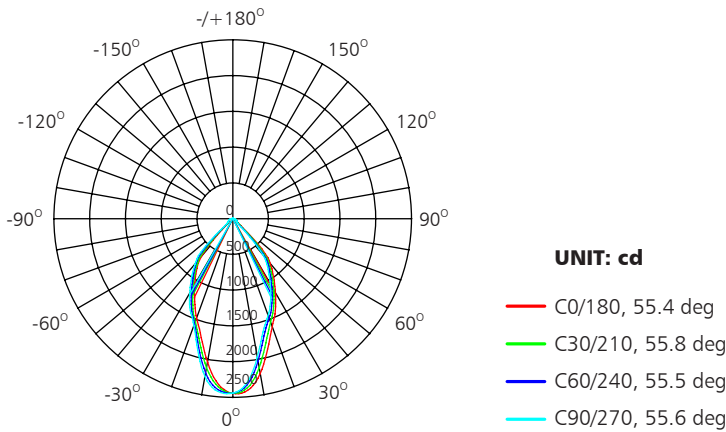
Spectral Distribution



Photometric Diagram



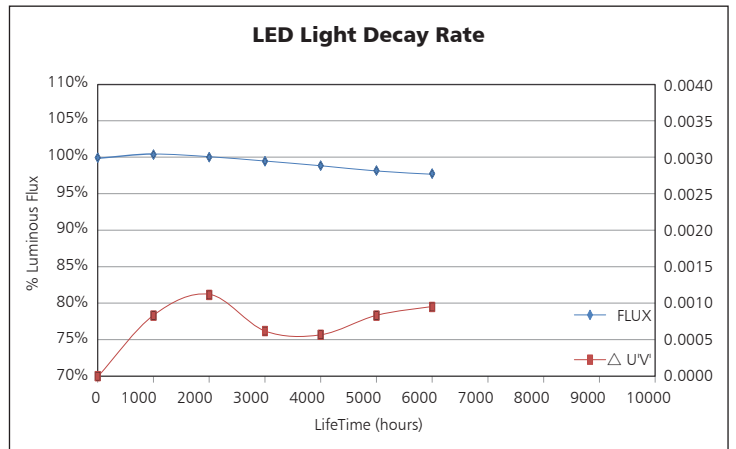
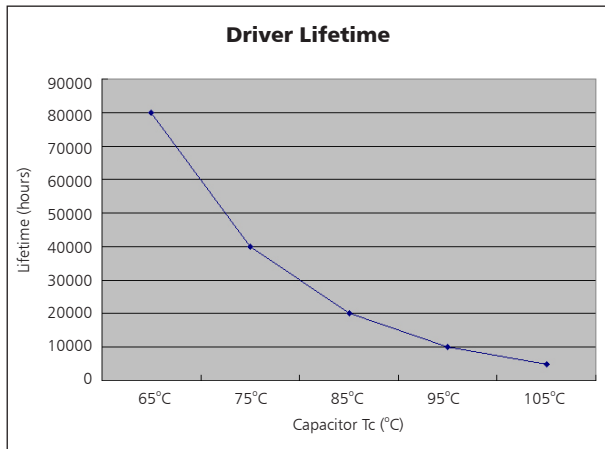
Polar Diagram Comparison



AVERAGE BEAM ANGLE (50%): 55.6DEG

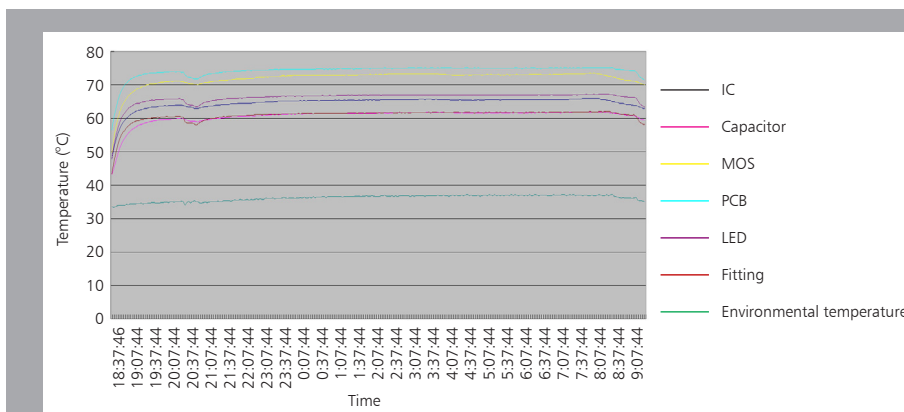


Driver lifetime & LED light decay rate



Temperature

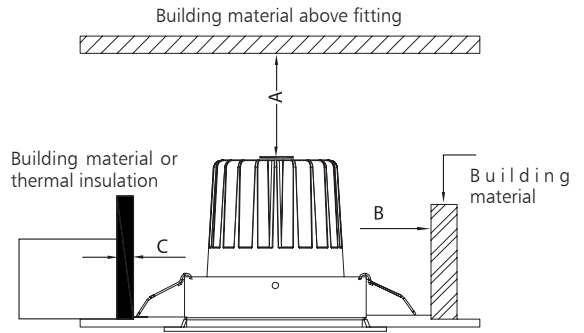
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



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



<p>Ceiling opening L160*W160mm</p> <p style="text-align: right;">1</p>	<p>Connect Power supply</p> <p style="text-align: right;">2</p>
<p>A. Hold back spring clips</p> <p>B. Push downlight into position</p> <p style="text-align: right;">3</p>	<p>Finish</p> <p style="text-align: right;">4</p>

Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	49*45*52	1.3	17.5	12

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	240	2880	28
40" standard container	480	5760	56

