



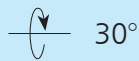
UPSHINE[®] Lighting



Technical Application Guide for UP-SHINE LED Downlight

UP-CL101-2.5-7W-D

Introduction



CL101 LED down light, its lamp body adopts thermal plastic for better thermal dissipation and weight reduction, improving the stability, security, environmental protection of lamps. The transmittance of TIR lens can be as high as 90% that creates uniform lighting perfectly. Lighting direction could be 0-30° adjustable which meet various illuminating demands.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- Dimmable when using triac dimmer
- 36°/60° wide beam angle
- 70-75mm cutout
- CCT: 3000K 4000K
5000K 5700K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

Application notes

- IP40 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

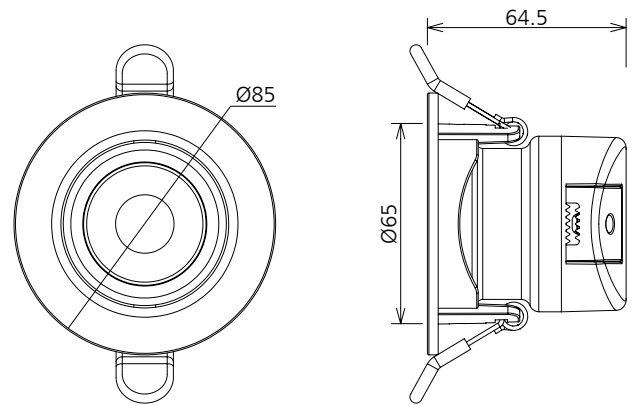
It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.

Certificate

CE RoHS



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-CL101-2.5-7W-D	AC230V	7W	≥0.9	620	36°/60°	3000K	40000h	≥80	Yes	Ø85*64.5mm cutout 70-75mm
UP-CL101-2.5-7W-D	AC230V	7W	≥0.9	640	36°/60°	4000K	40000h	≥80	Yes	Ø85*64.5mm cutout 70-75mm
UP-CL101-2.5-7W-D	AC230V	7W	≥0.9	650	36°/60°	5000K	40000h	≥80	Yes	Ø85*64.5mm cutout 70-75mm
UP-CL101-2.5-7W-D	AC230V	7W	≥0.9	660	36°/60°	5700K	40000h	≥80	Yes	Ø85*64.5mm cutout 70-75mm

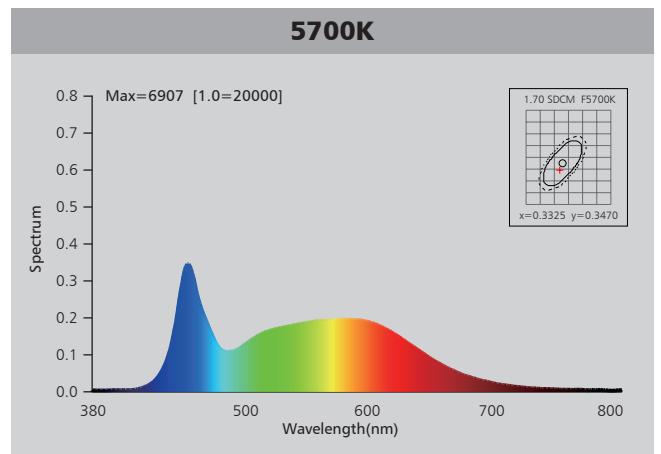
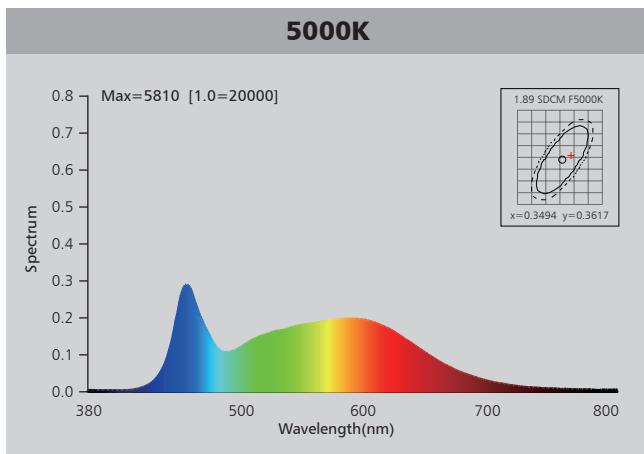
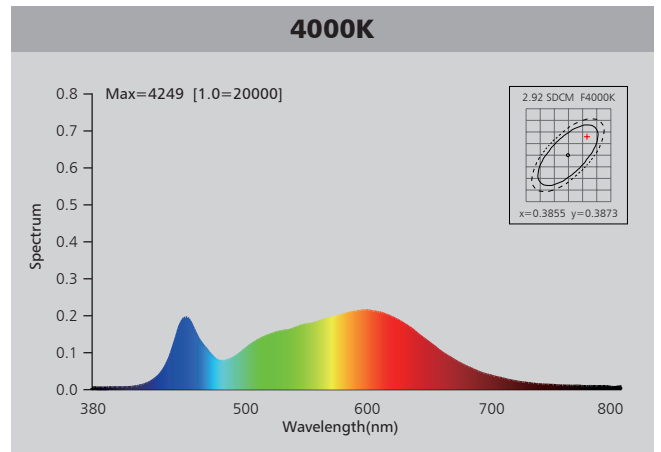
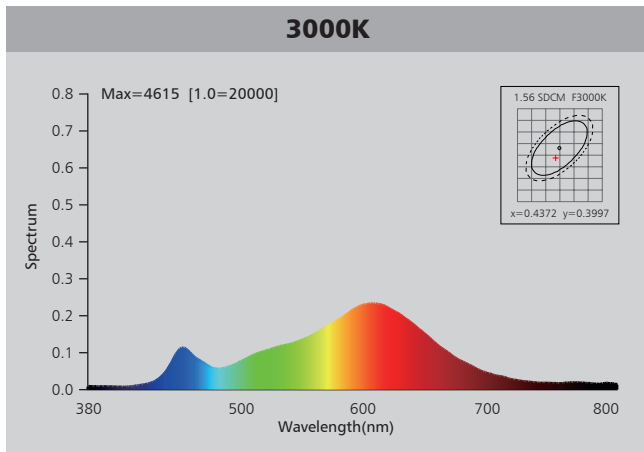
Driver data Sheet

Driver data	DIM
Input rated Voltage	AC230V
Frequency	50Hz
Input Voltage	AC200-240V
Efficiency	≥78%
Total load Wattage	7W±0.5W
Power Factor	≥0.9
Rated input current	≤0.04A
Full load output Voltage	DC50-65V
Rated output current	110mA
Output current range	110mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Dimming range	8%-100%
Dimmer	Triac dimmers
Withstand voltage	—
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
THD	≤20%

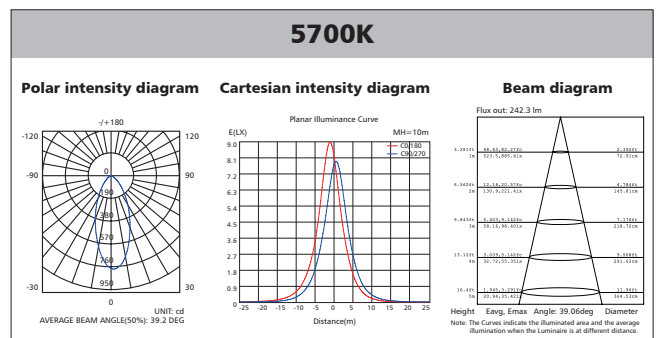
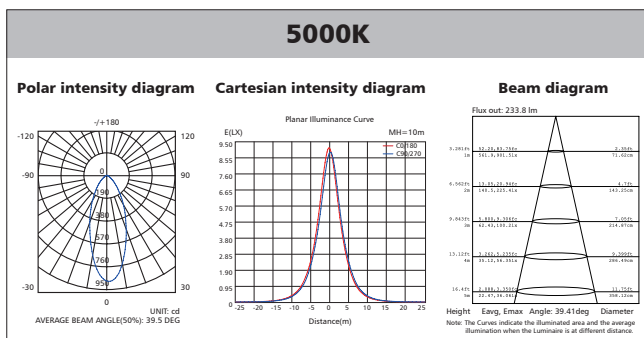
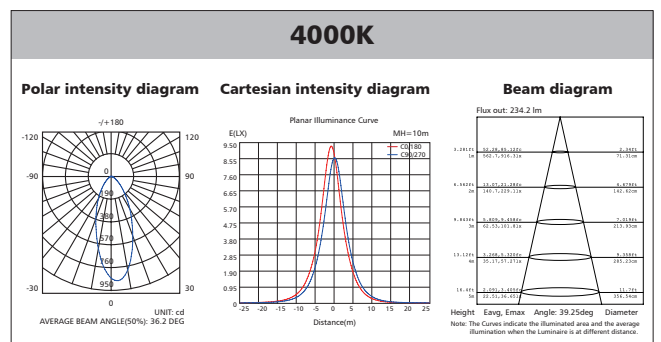
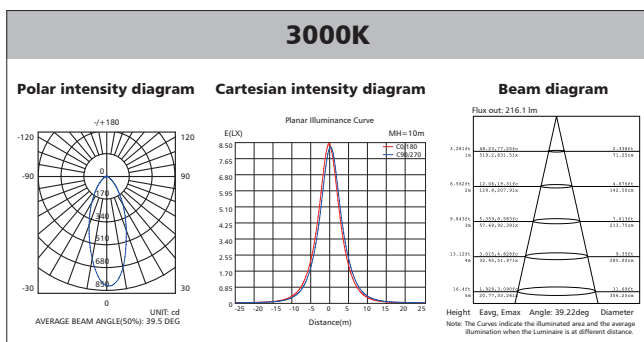
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
7W	II	IP40	-20°C~45°C	0~90%	-20°C~65°C

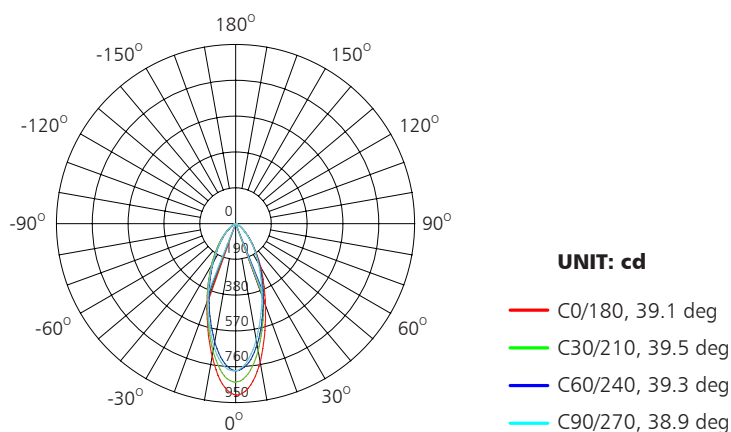
Spectral Distribution



Photometric Diagram



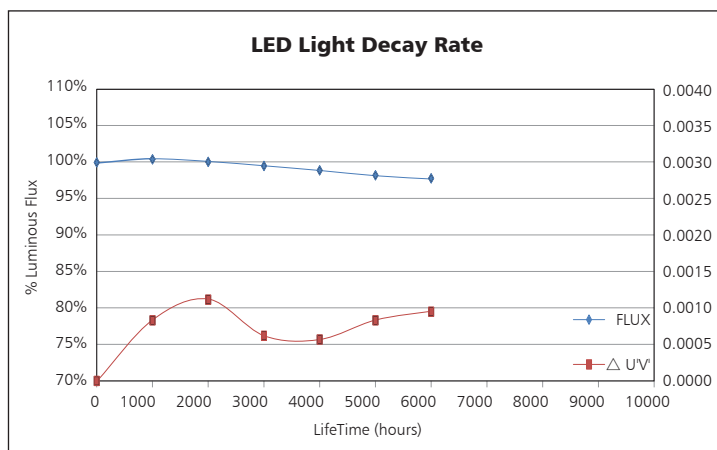
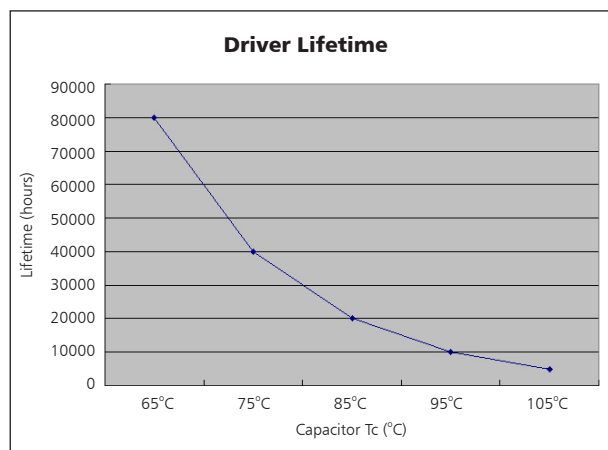
Polar Diagram Comparison



AVERAGE BEAM ANGLE (50%): 39.0DEG

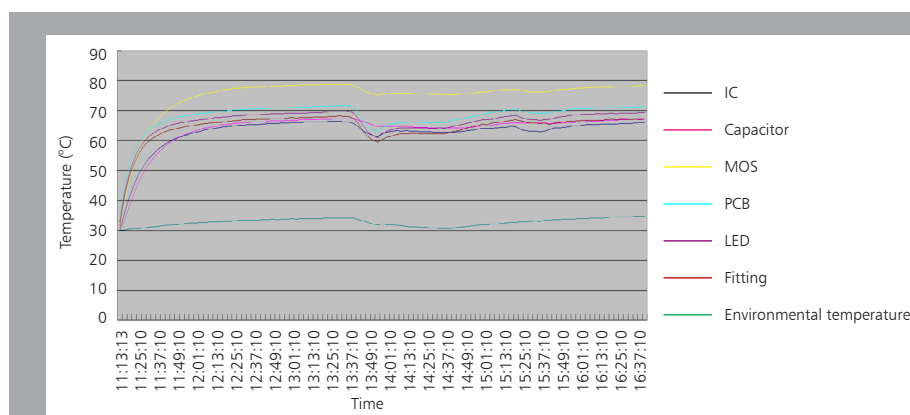


Driver lifetime & LED light decay rate



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

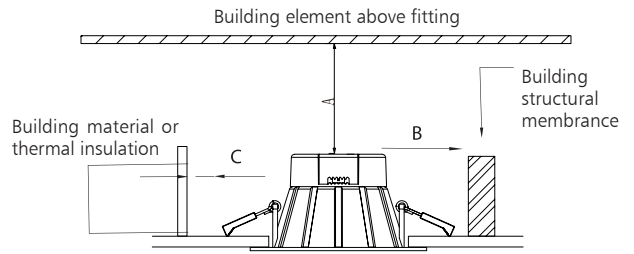


The driver lifespan is based on capacitor working temperature.

Installation

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

Fig 1: Installation Spacing



<p>1. Open a hole according to the cutout size of led downlight.</p>	<p>2. Use screw-driver to open the driver terminal cover on the back of downlight, feed the main AC wire L, N. in terminal block respectively, then fix the cover back.</p>
<p>3. Hold back the spring clip then push the downlight into the hole.</p>	<p>4. Make sure the downlight fixed tightly in ceiling, turn on the power (Fig 1).</p>

Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	35*35*35	0.2	8	36

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	630	22680	28
40" standard container	1270	45720	56

