



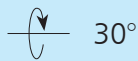
UPSHINE[®] Lighting



Technical Application Guide for UP-SHINE LED Downlight

UP-CL101-3-10W-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
- 90-95mm 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

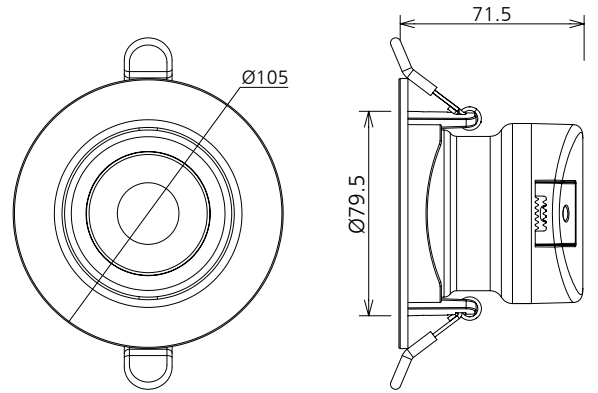
Application Areas

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



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-CL101-3-10W-D	AC230V	10W	≥0.9	880	36°/60°	3000K	40000h	≥80	Yes	Ø105*71.5mm cutout 90-95mm
UP-CL101-3-10W-D	AC230V	10W	≥0.9	920	36°/60°	4000K	40000h	≥80	Yes	Ø105*71.5mm cutout 90-95mm
UP-CL101-3-10W-D	AC230V	10W	≥0.9	930	36°/60°	5000K	40000h	≥80	Yes	Ø105*71.5mm cutout 90-95mm
UP-CL101-3-10W-D	AC230V	10W	≥0.9	950	36°/60°	5700K	40000h	≥80	Yes	Ø105*71.5mm cutout 90-95mm

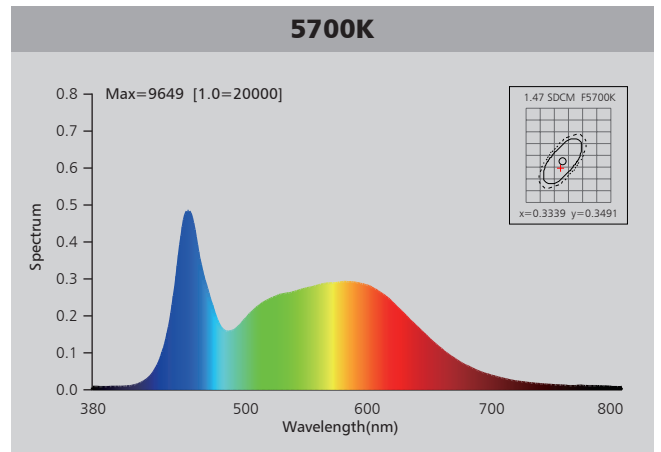
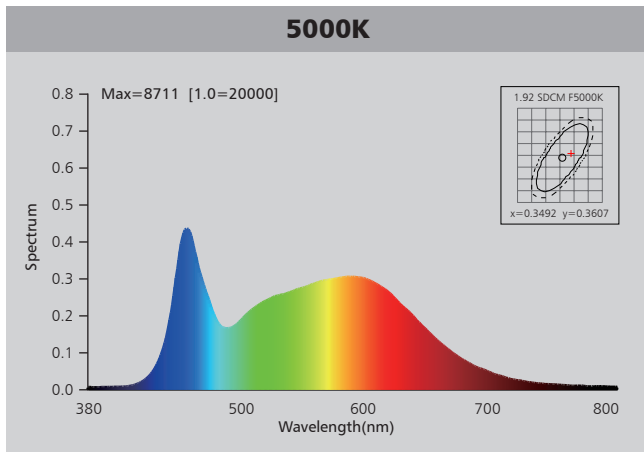
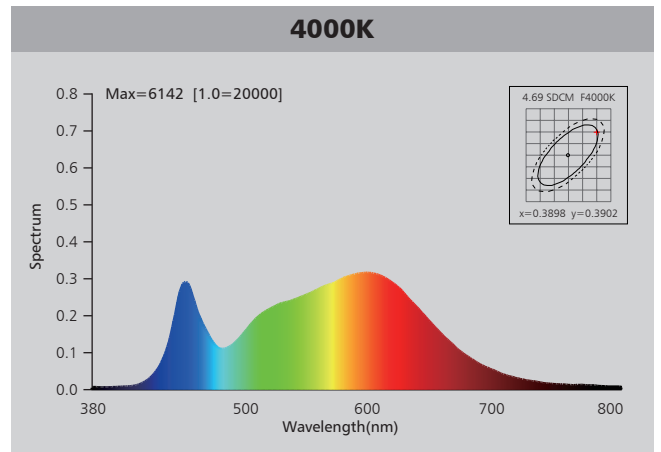
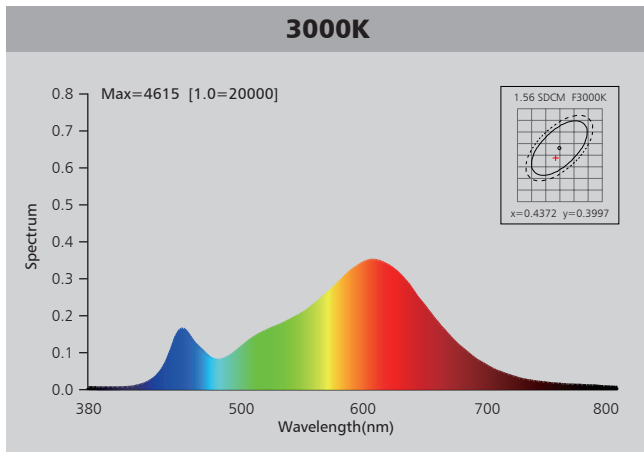
Driver data Sheet

Driver data	DIM
Input rated Voltage	AC230V
Frequency	50Hz
Input Voltage	AC200-240V
Efficiency	≥82%
Total load Wattage	10W±1W
Power Factor	≥0.9
Rated input current	≤0.06A
Full load output Voltage	DC65-75V
Rated output current	120mA
Output current range	120mA±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%

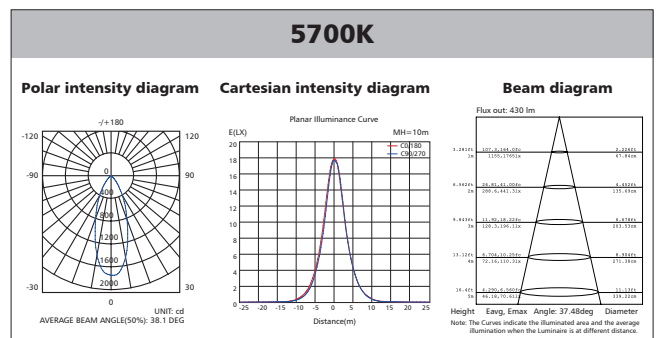
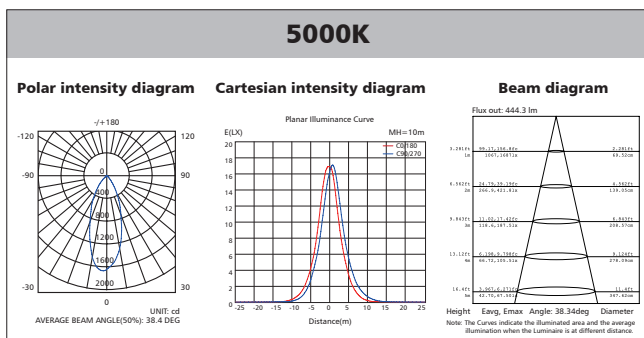
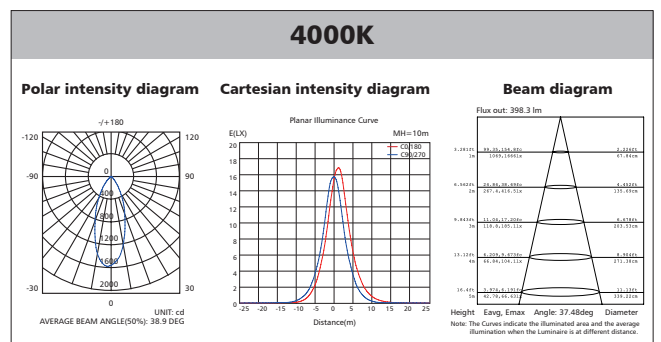
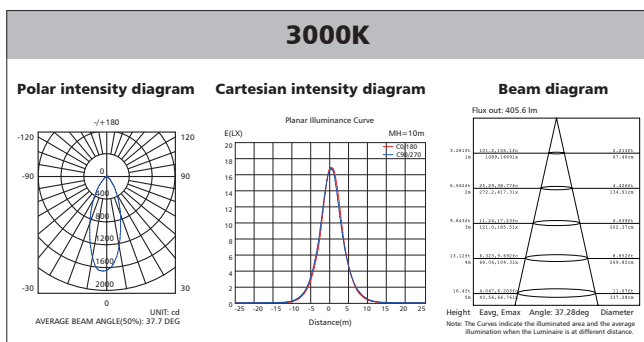
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
10W	II	IP40	-20°C~45°C	0~90%	-20°C~65°C

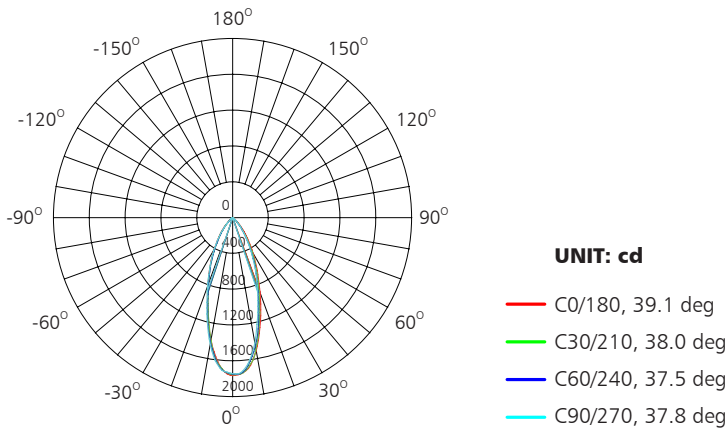
Spectral Distribution



Photometric Diagram

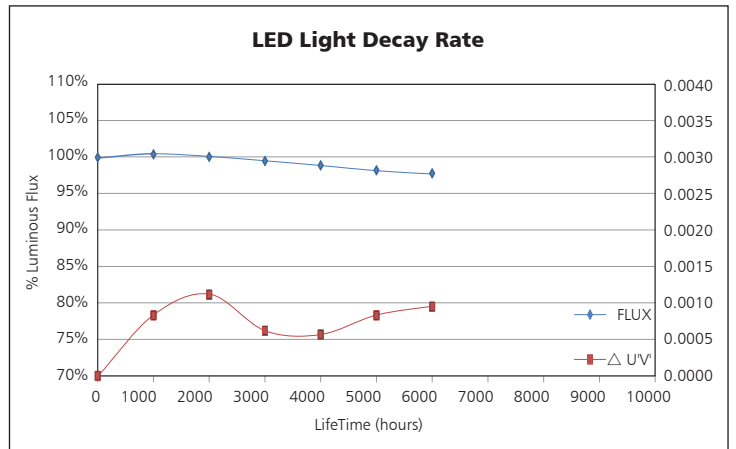
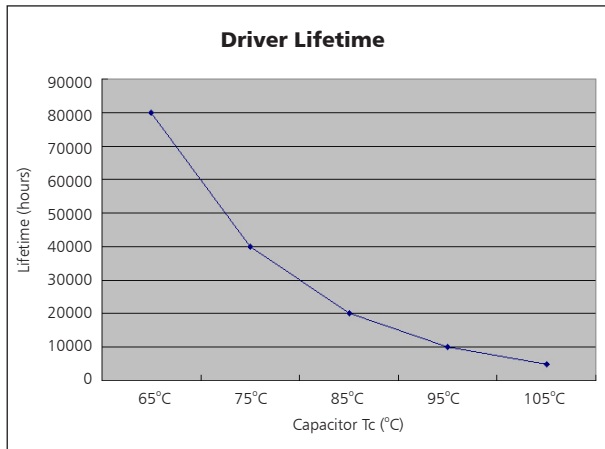


Polar Diagram Comparison



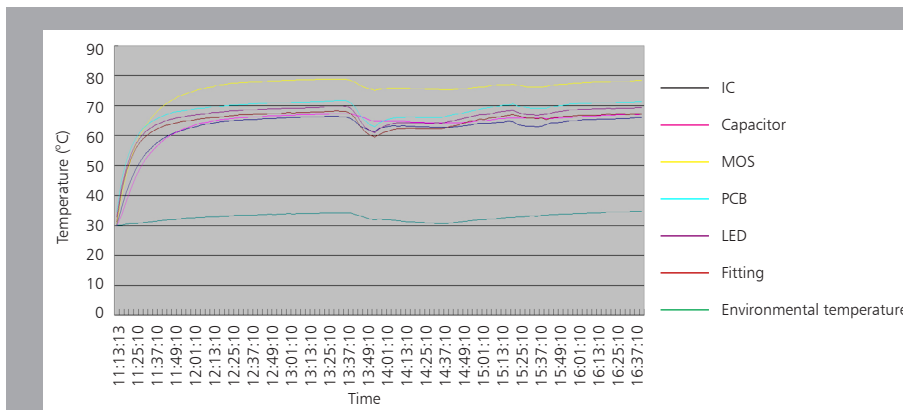
AVERAGE BEAM ANGLE (50%): 38.1DEG

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

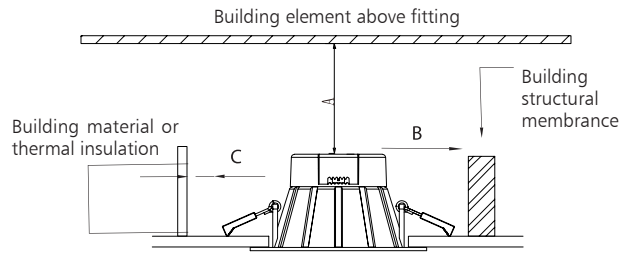


The driver lifespan is based on capacitor working temperature.

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	38*38*36.5	0.25	10	36

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	520	18720	28
40" standard container	1040	37440	56

