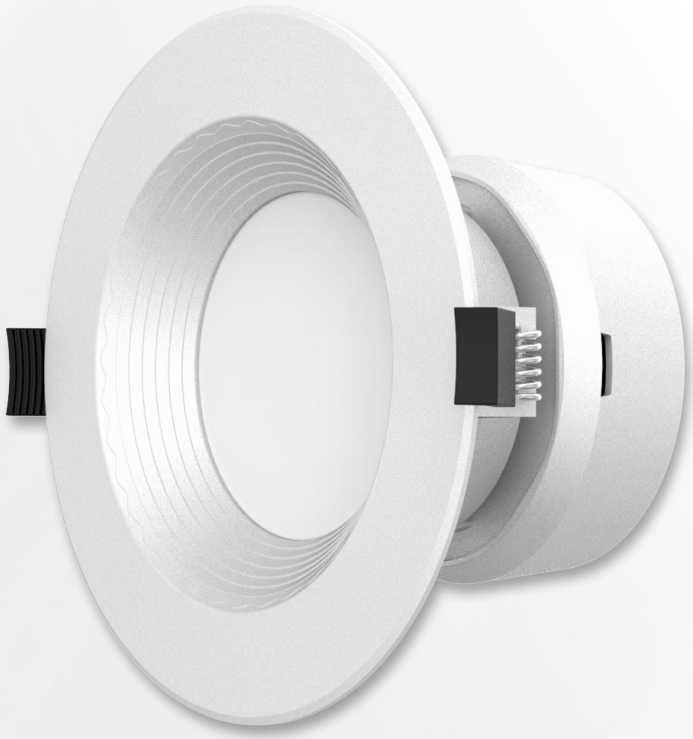
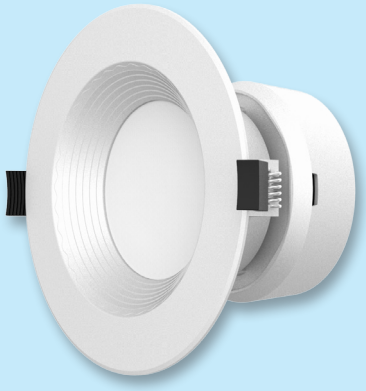
UPSHINE®

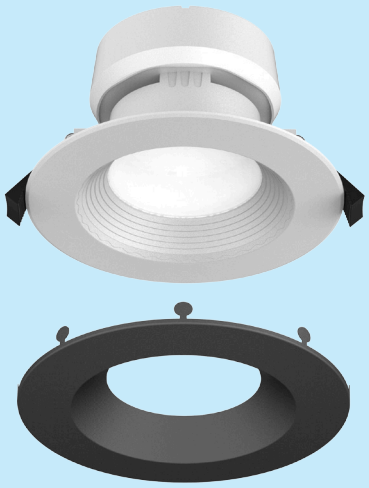


Technical Application Guide for UP-SHINE LED Downlight

UP-DL108-4-10W-D

Introduction





DL108 model is a led down light with graceful and compact design. The lamp adopts spring installation and can be installed in the ceiling directly without junction box installed in advance, greatly decrease the installation and maintenance cost. Metallic driver box with connection holes reserved can be connected directly to the metal hose. Different color bezels accessories for optional to meet different customers' demands.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 50,000 hours
- Triac dim
- 100°wide beam angle
- 115mm cutout
- CCT: 3000K 3500K 4000K 5000K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

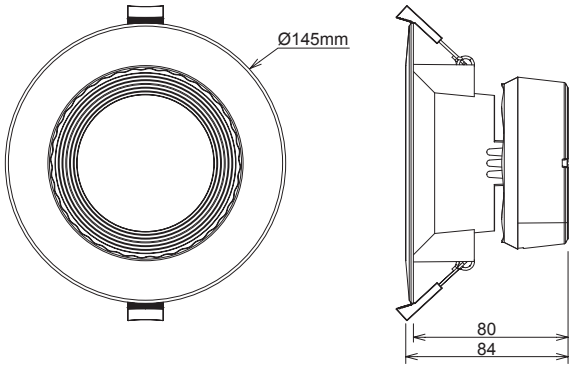
Application notes

- Wet location at room side 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.

Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-DL108-4-10W-D	AC120V	10W	≥0.9	970	100°	3000K	50000h	≥80	Yes	Ø145*84mm cutout 115mm
UP-DL108-4-10W-D	AC120V	10W	≥0.9	1000	100°	3500K	50000h	≥80	Yes	Ø145*84mm cutout 115mm
UP-DL108-4-10W-D	AC120V	10W	≥0.9	1030	100°	4000K	50000h	≥80	Yes	Ø145*84mm cutout 115mm
UP-DL108-4-10W-D	AC120V	10W	≥0.9	1030	100°	5000K	50000h	≥80	Yes	Ø145*84mm cutout 115mm

Driver data Sheet

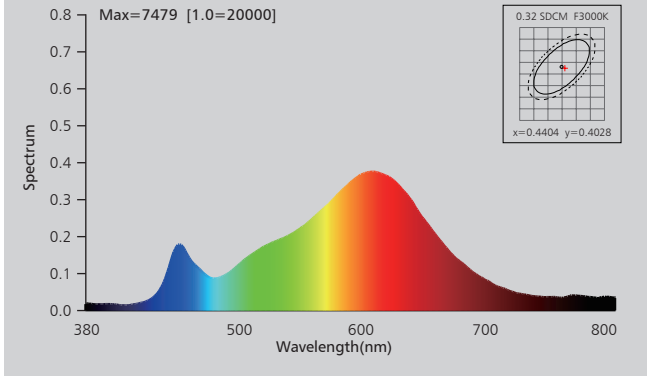
Driver data	DIM
Input rated Voltage	AC120V
Frequency	60Hz
Input Voltage	AC100-130V
Efficiency	≥80%
Total load Wattage	10W±0.5W
Power Factor	≥0.9
Rated input current	≤0.12A
Full load output Voltage	DC65-75V
Rated output current	120mA
Output current range	120mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Dimming range	8%-100%
Dimmer	Triac dimmers
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
THD	≤20%
Withstand voltage	—

Fixture Compatibility

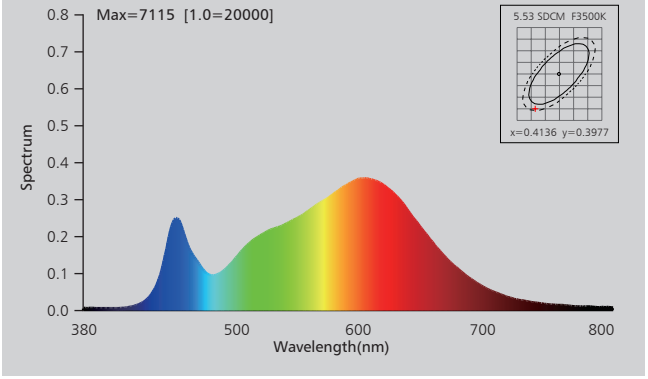
Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
10W	With not ground	Wet location	-20°C~45°C	0~90%	-20°C~65°C

Spectral Distribution

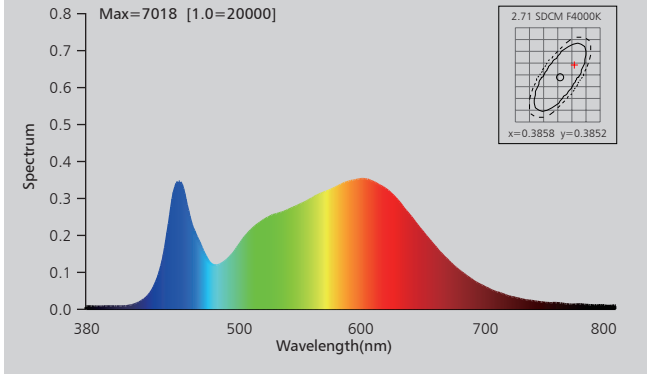
3000K



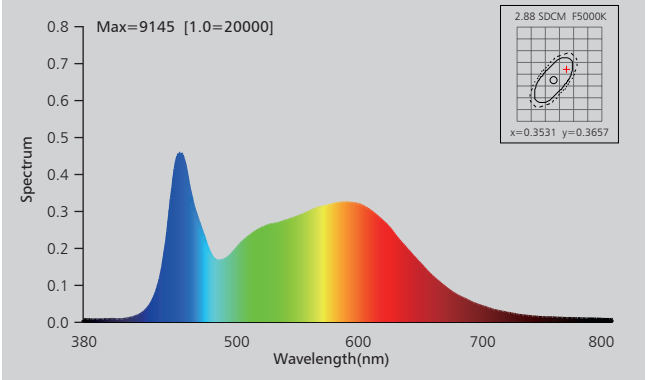
3500K



4000K

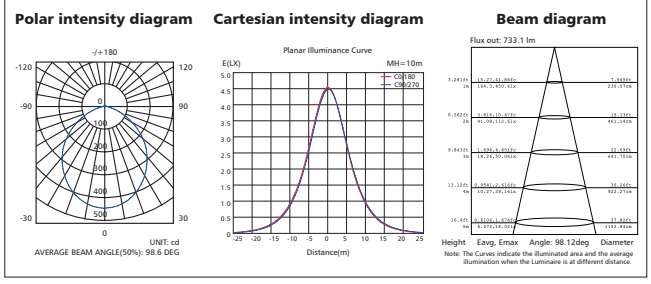


5000K

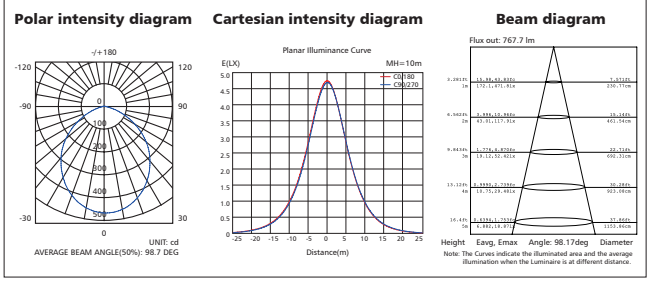


Photometric Diagram

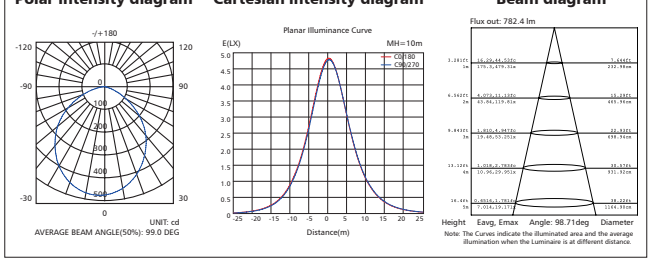
3000K



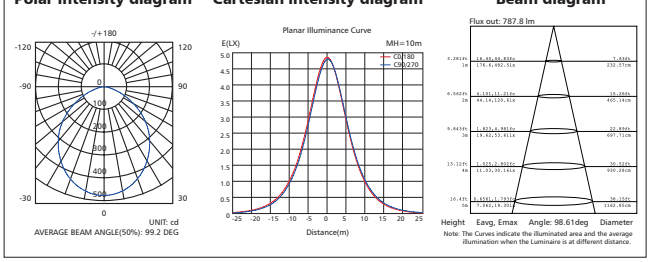
3500K



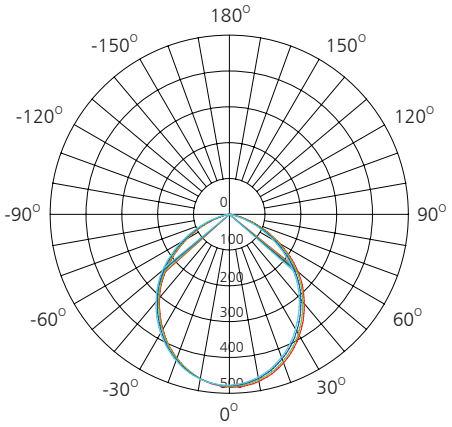
4000K



5000K



Polar Diagram Comparison

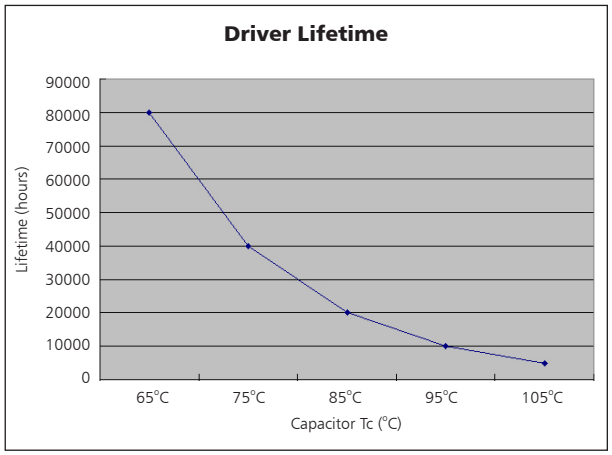


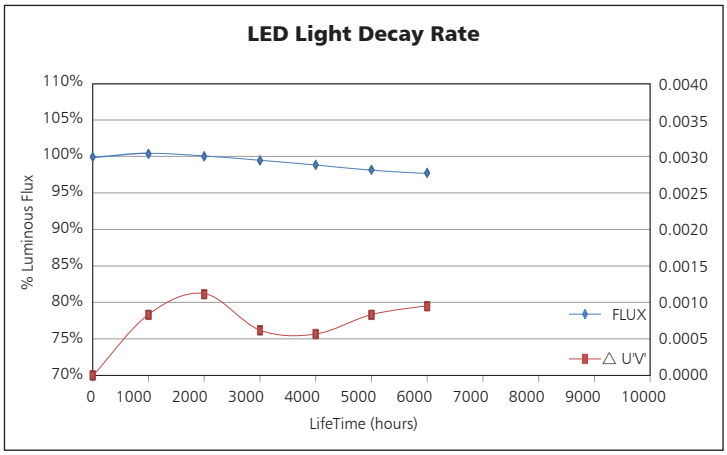
AVERAGE BEAM ANGLE (50%): 99.2DEG

UNIT: cd

- C0/180, 99.2 deg
- C30/210, 99.2 deg
- C60/240, 99.2 deg
- C90/270, 99.2 deg

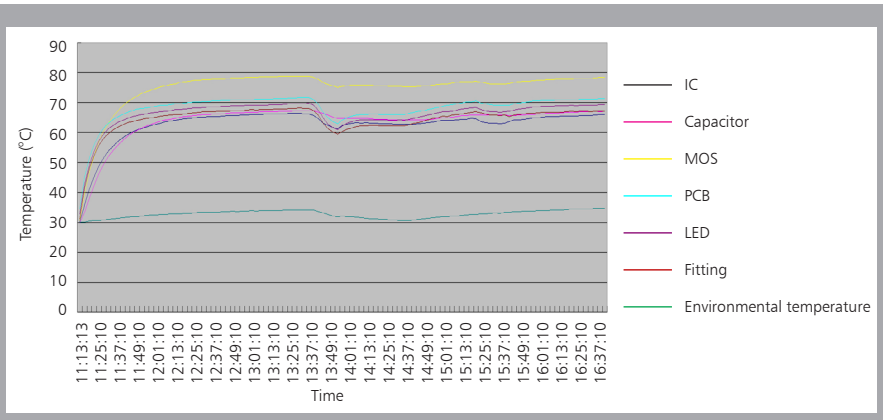
Driver lifetime & LED light decay rate





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

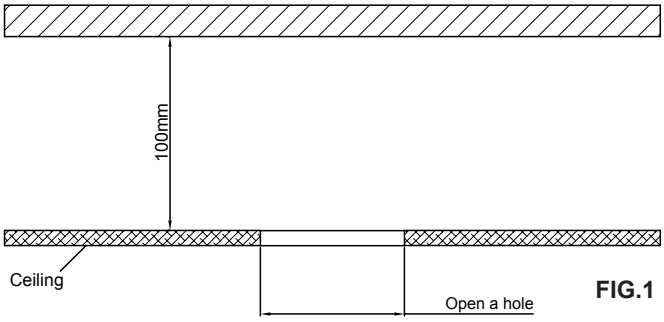


FIG.1

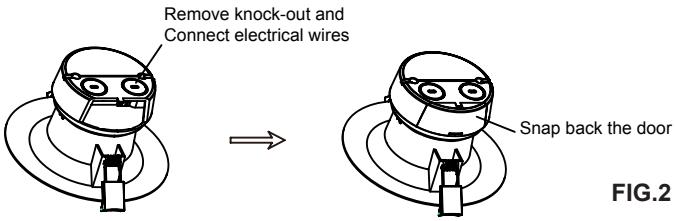


FIG.2

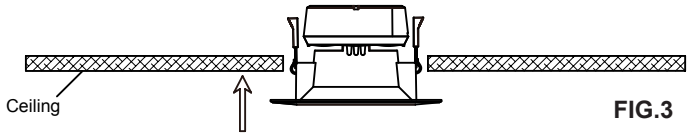
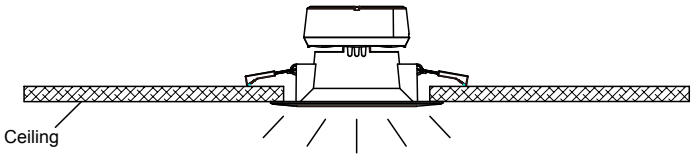


FIG.3



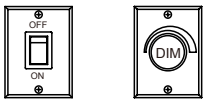


FIG.4

Thermal radiation space and irradiation distance must be ensured. The height of the fixture should be no less than 100mm (see FIG.1)

Opening a hole in ceiling according to cutout size of the lamp (see FIG.1)

Remove the knockout in driver box with a screw driver, attach line voltage AC supply wires to fixture lead wires (L-Black, N-White) inside the driver box. Secure each connection using the quick connector provided. (see FIG.2).

Put wires back into the driver box and snap back the door into place.

Bend back the spring clips then push the lamp into the hole. (see FIG3).

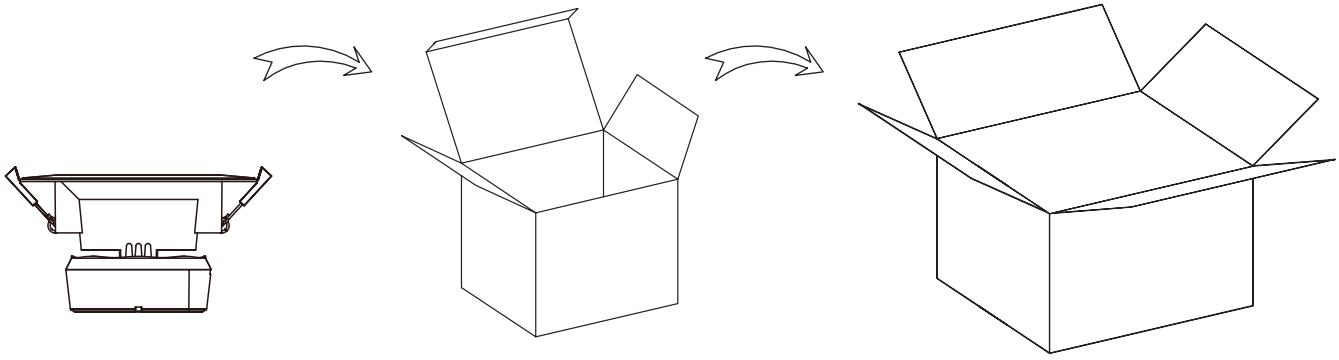
Installation completed. Switch on. (see FIG4)

Attention: Switch off before installation.

Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	50*50*47	0.28	12	36

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	236	8496	28
40" standard container	472	16992	56



www.upshine.com info@upshine.com Phone: +86 755 2919 7332
Add: 2nd building Dingfeng High-Tech Zone, Fuyuan 1st road, Fu Yong Sub-district, Bao'an, Shenzhen China