LightFEEL

SL-DL113

www.lightfeel.net

Introduction

Up-shine COB downlight is unique designed with reflector and COB high power LED chip. ADC12 Aluminum profile provides excellent thermal dissipation. Short heatsink designed for any ceiling installations. Isolated driver solution both in dimmable and non-dimmable version achieves great dimming compatibility with worldwide brand dimmers.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 50,000 hours
- Triac dim, 0-10V dim, DALI dim
- 60° wide beam angle
- 135-140mm cutout
- CCT: 2700K 3000K 4000K 5000K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances
- External Drive

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

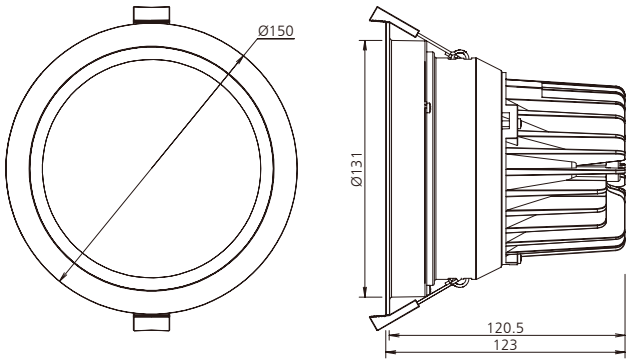
Application Areas

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	Dimmable	Dimension
UP-DL113-4-13W	AC230V	13W	≥0.9	1410	60°	2700K	50000h	≥80	No	Ø150*123mm cutout 135-140mm
UP-DL113-4-13W	AC230V	13W	≥0.9	1440	60°	3000K	50000h	≥80	No	Ø150*123mm cutout 135-140mm
UP-DL113-4-13W	AC230V	13W	≥0.9	1520	60°	4000K	50000h	≥80	No	Ø150*123mm cutout 135-140mm
UP-DL113-4-13W	AC230V	13W	≥0.9	1490	60°	5000K	50000h	≥80	No	Ø150*123mm cutout 135-140mm
UP-DL113-4-13W-D	AC230V	13W	≥0.9	1290	60°	2700K	50000h	≥80	Yes	Ø150*123mm cutout 135-140mm
UP-DL113-4-13W-D	AC230V	13W	≥0.9	1360	60°	3000K	50000h	≥80	Yes	Ø150*123mm cutout 135-140mm
UP-DL113-4-13W-D	AC230V	13W	≥0.9	1450	60°	4000K	50000h	≥80	Yes	Ø150*123mm cutout 135-140mm
UP-DL113-4-13W-D	AC230V	13W	≥0.9	1430	60°	5000K	50000h	≥80	Yes	Ø150*123mm cutout 135-140mm

Driver data Sheet

Driver data	DIM	Non dim
Input rated Voltage	AC230V	AC230V
Frequency	50Hz	50Hz
Input Voltage	AC200-240V	AC220-240V
Efficiency	≥82%	≥85%
Total load Wattage	13W±1W	13W±1W
Power Factor	≥0.9	≥0.9
Rated input current	≤0.08A	≤0.08A
Full load output Voltage	DC23-40V	DC27-42V
Rated output current	320mA	350mA
Output current range	320mA±5%	350mA±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	≤25%	≤10%
Withstand voltage	AC3750V	AC3750V

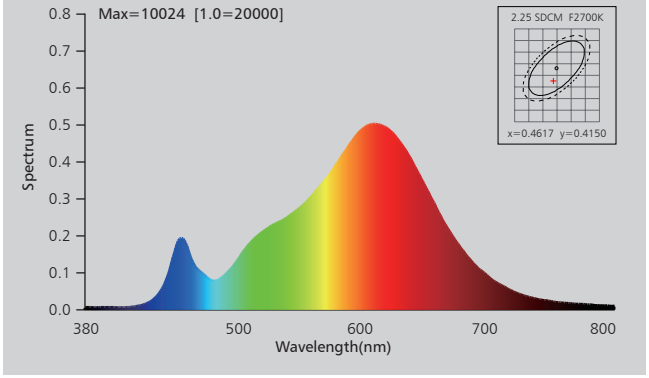
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
13W	II	IP20	-20°C~45°C	0~90%	-20°C~65°C

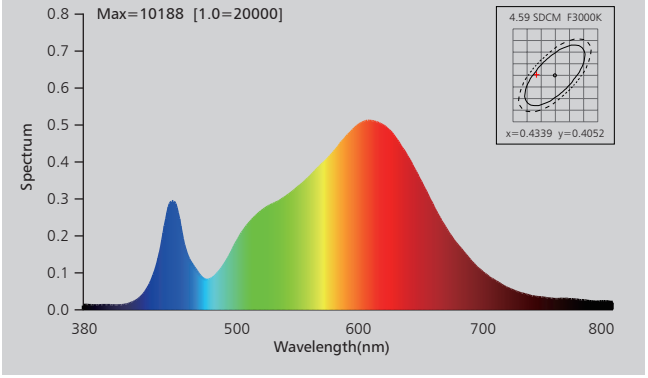
www.lightfeel.net

Spectral Distribution

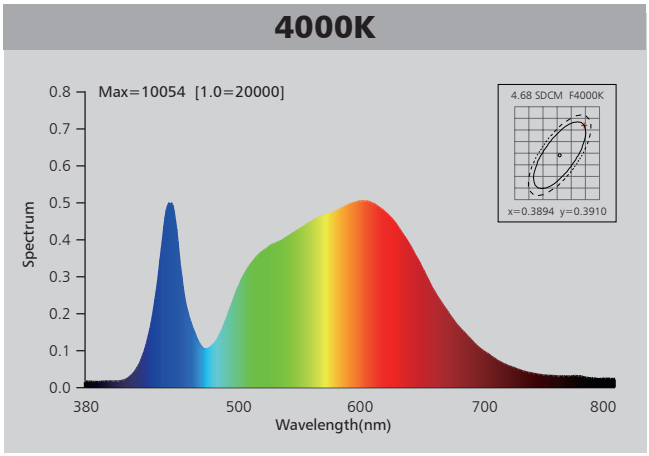
2700K



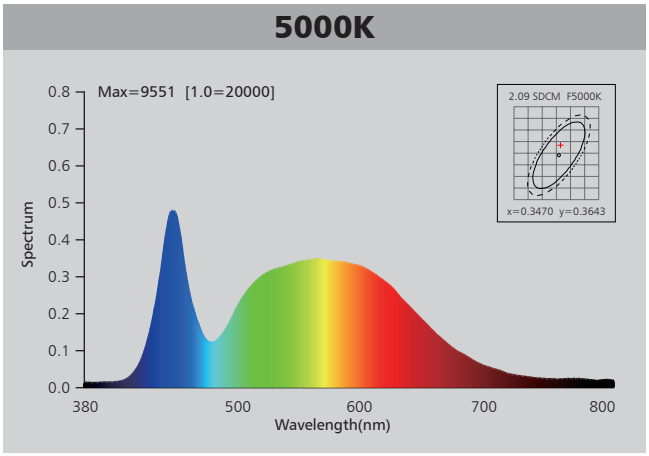
3000K



4000K

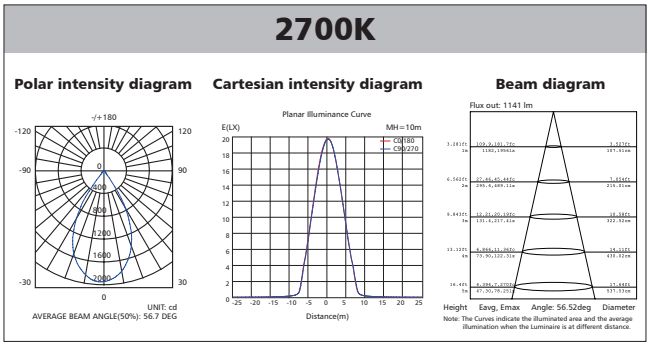


5000K

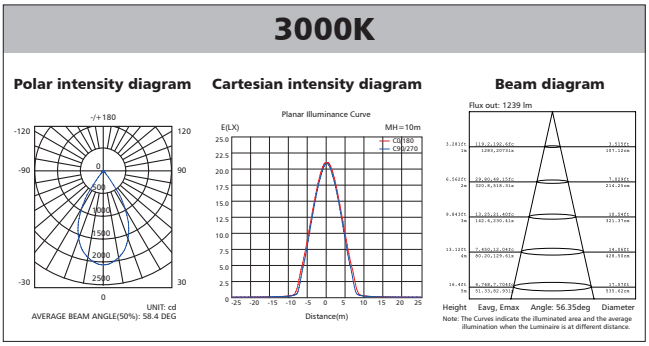


Photometric Diagram

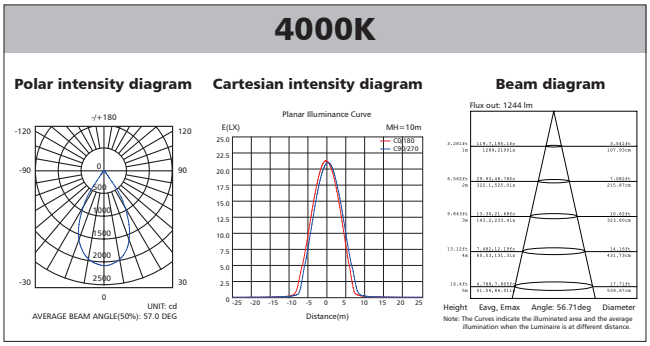
2700K



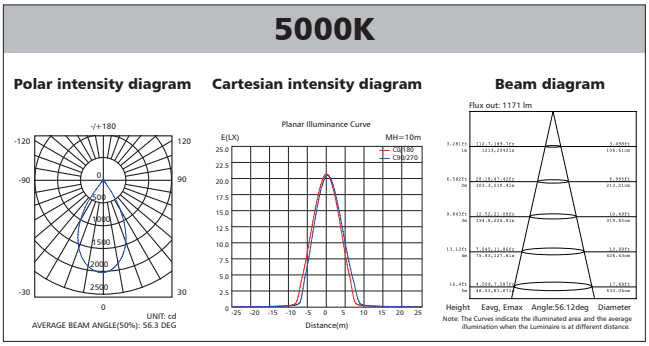
3000K



4000K

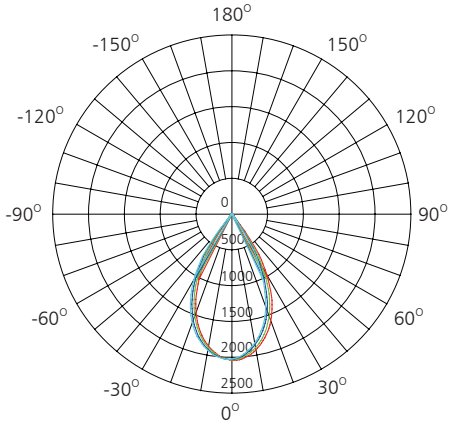


5000K



www.lightfeel.net

Polar Diagram Comparison

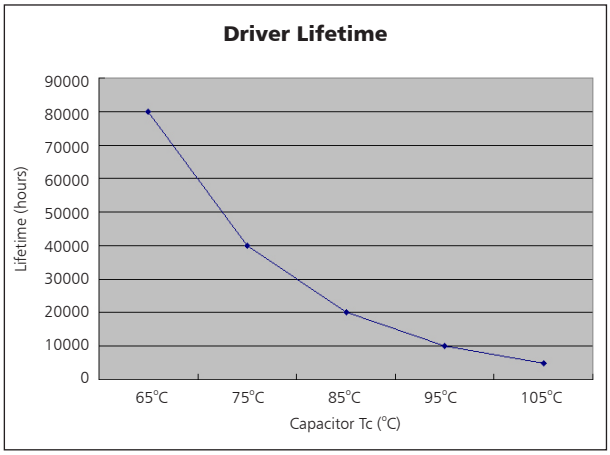


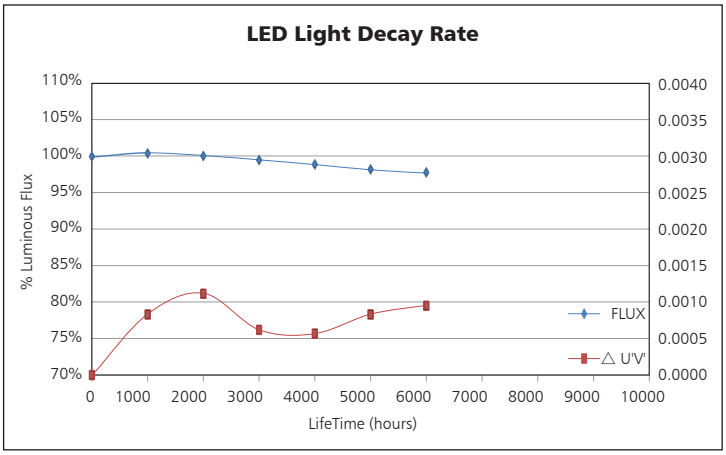
AVERAGE BEAM ANGLE (50%): 56.3DEG

UNIT: cd

- C0/180, 56.3 deg
- C30/210, 56.3 deg
- C60/240, 56.1 deg
- C90/270, 56.3 deg

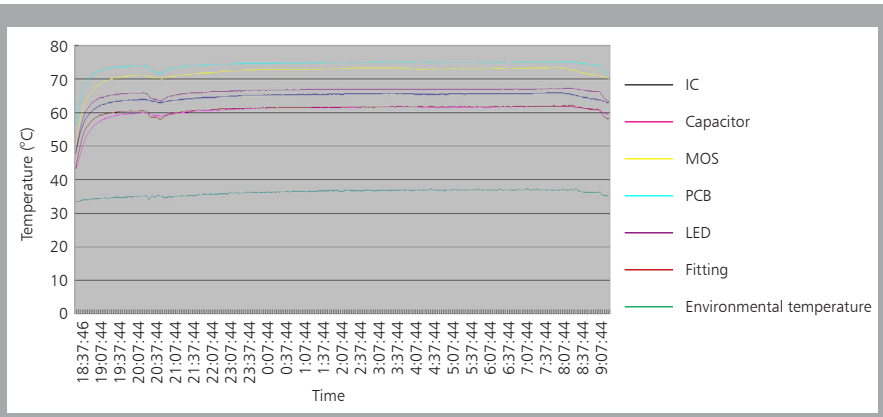
Driver lifetime & LED light decay rate





Temperature

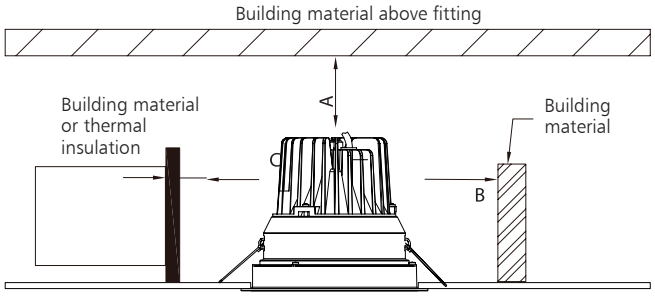
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C

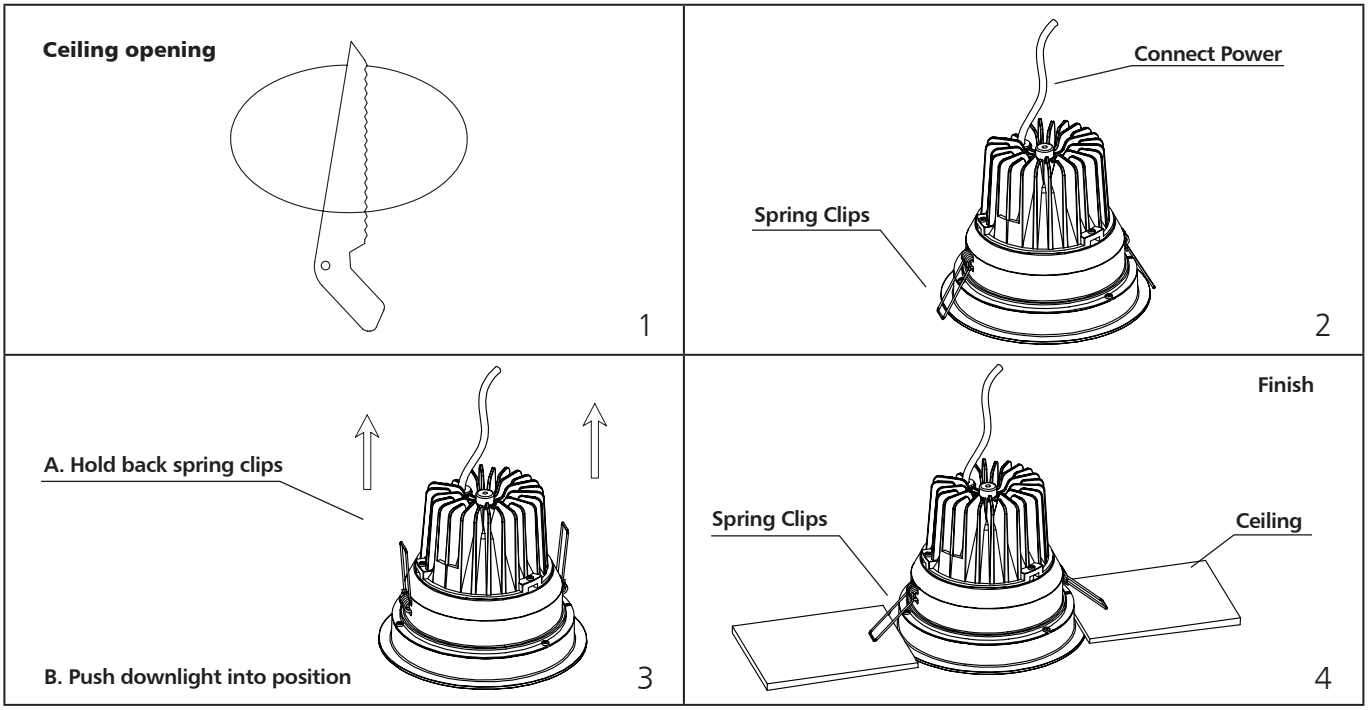


The driver lifespan is based on capacitor working temperature.

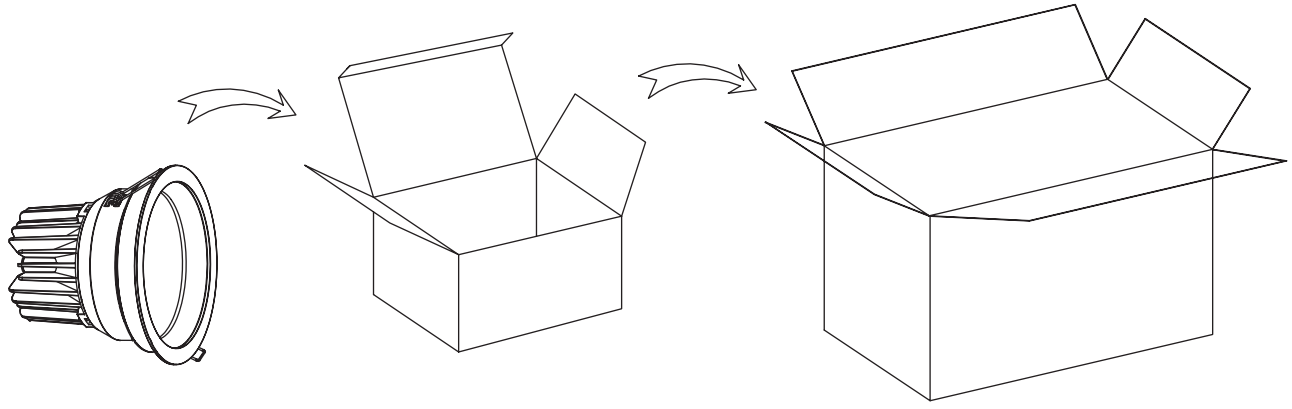
Installation

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	50*34*30	0.85	13.3	12

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	538	6456	28
40" standard container	1076	12912	56