Introduction

This new new design anti-glare CL94 led downlight adopts Citizen COB chip collocating with deep reflection cup. This unique design skillfully prevent the human eyes contact with the light sources directly, makes the light more soft, UGR <19. Meanwhile the light efficiency reach to 90lm/w with perfect accent lighting performance. That makes it become the priority selected product for commercial lighting. V shape cooling fins heat sink design increases the interface between heat sink and air, which makes the heat dissipating performance outstanding and extend the service life of the downlight. 3 size are optional: 3inch-13w, 6inch-25w, 8inch-35w. Two installation clips for each downlight makes installation easier.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- Triac dim, 0-10V dim, DALI dim
- 36°wide beam angle
- 165-180mm cutout
- CCT: 2700K 3000K 4000K 5000K

- 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

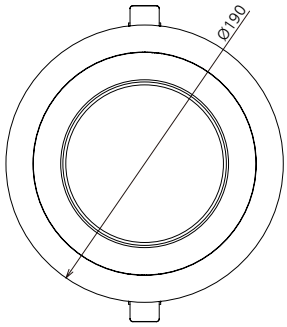
Application Areas

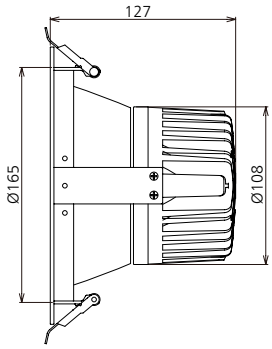
It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.

Certificate

CE RoHS SAA

Product Information





Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-CL94-6-25W	AC230V	25W	≥0.9	2350	36°	2700K	40000h	≥80	No	Ø190*127mm cutout 165-180mm
UP-CL94-6-25W	AC230V	25W	≥0.9	2450	36°	3000K	40000h	≥80	No	Ø190*127mm cutout 165-180mm
UP-CL94-6-25W	AC230V	25W	≥0.9	2550	36°	4000K	40000h	≥80	No	Ø190*127mm cutout 165-180mm
UP-CL94-6-25W	AC230V	25W	≥0.9	2500	36°	5000K	40000h	≥80	No	Ø190*127mm cutout 165-180mm
UP-CL94-6-25W-D	AC230V	25W	≥0.9	2250	36°	2700K	40000h	≥80	Yes	Ø190*127mm cutout 165-180mm
UP-CL94-6-25W-D	AC230V	25W	≥0.9	2350	36°	3000K	40000h	≥80	Yes	Ø190*127mm cutout 165-180mm
UP-CL94-6-25W-D	AC230V	25W	≥0.9	2400	36°	4000K	40000h	≥80	Yes	Ø190*127mm cutout 165-180mm
UP-CL94-6-25W-D	AC230V	25W	≥0.9	2375	36°	5000K	40000h	≥80	Yes	Ø190*127mm cutout 165-180mm

Driver data Sheet

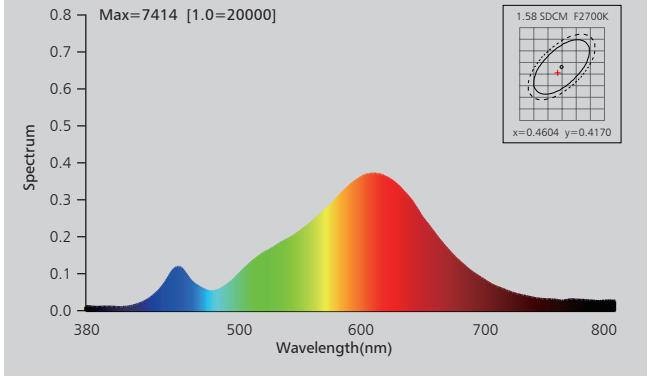
Driver data	DIM	Non dim
Input rated Voltage	AC230V	AC230V
Frequency	50Hz	50Hz
Input Voltage	AC200-240V	AC200-240V
Efficiency	≥80%	≥85%
Total load Wattage	25W±5%	25W±5%
Power Factor	≥0.9	≥0.9
Rated input current	≤0.14A	≤0.15A
Full load output Voltage	DC23-40V	DC27-40V
Rated output current	550mA	580mA
Output current range	550mA±5%	580mA±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	≤18%	≤18%
Withstand voltage	AC3750V	AC3750V

Fixture Compatibility

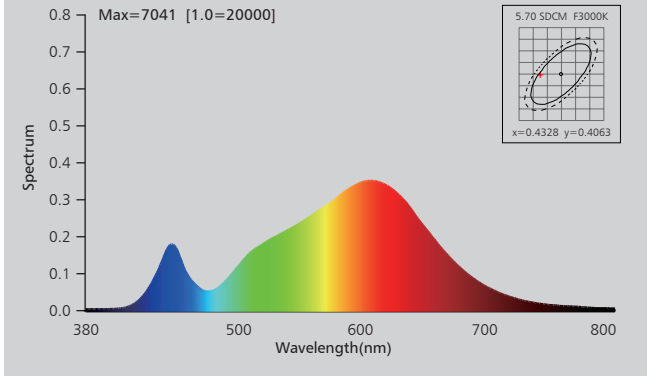
Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
25W	II	IP20	-20°C~45°C	0~90%	-20°C~65°C

Spectral Distribution

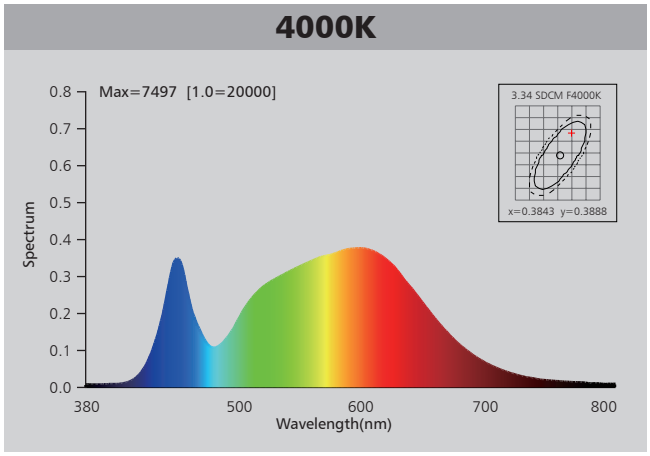
2700K



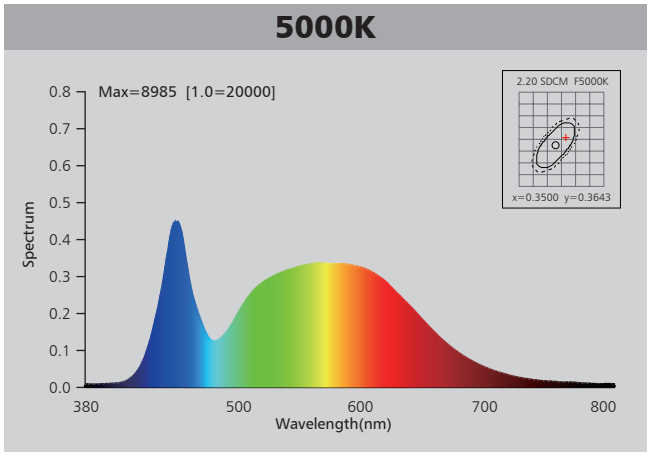
3000K



4000K

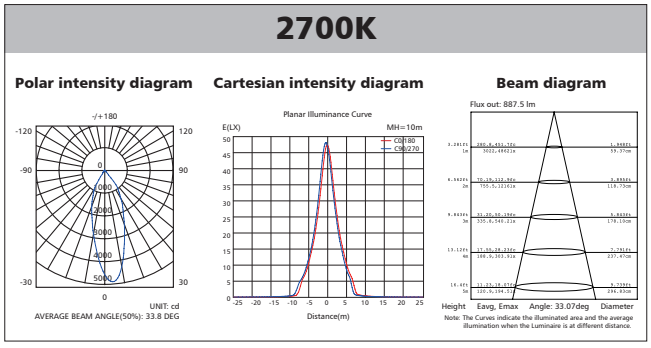


5000K

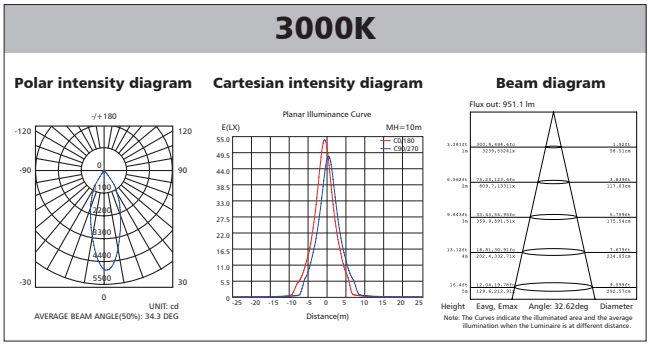


Photometric Diagram

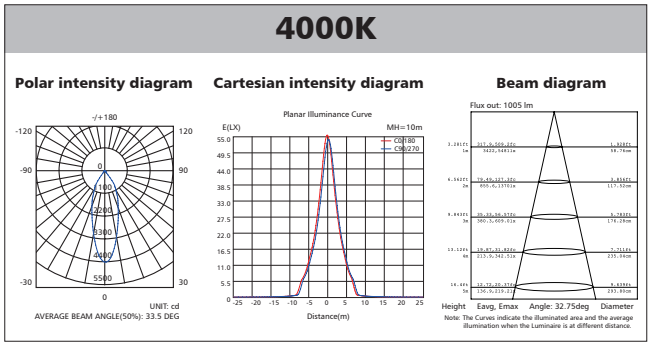
2700K



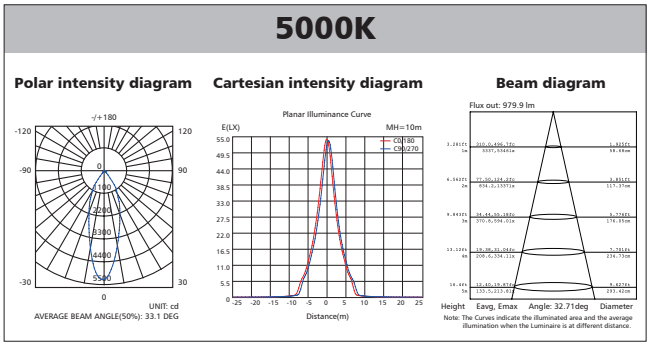
3000K



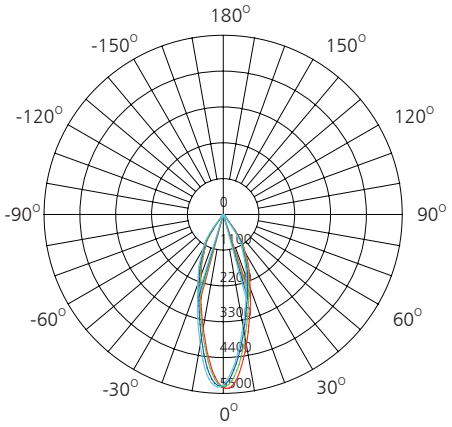
4000K



5000K



Polar Diagram Comparison

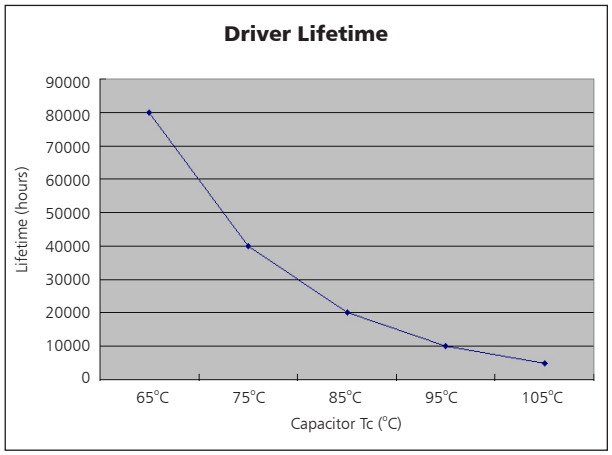


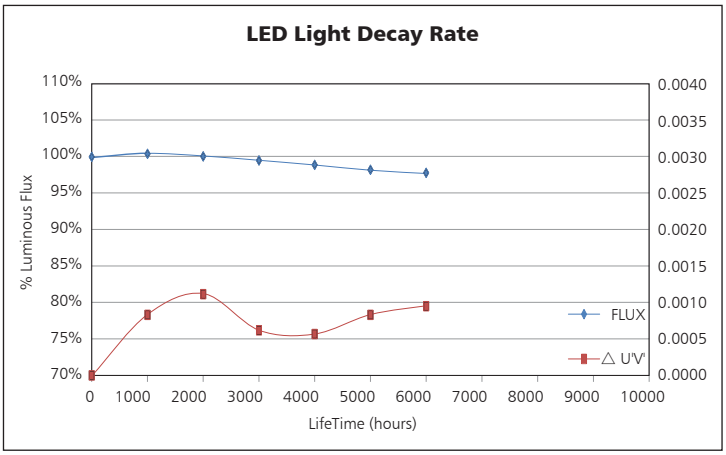
AVERAGE BEAM ANGLE (50%): 33.1DEG

UNIT: cd

- C0/180, 33.4 deg
- C30/210, 33.1 deg
- C60/240, 33.0 deg
- C90/270, 32.9 deg

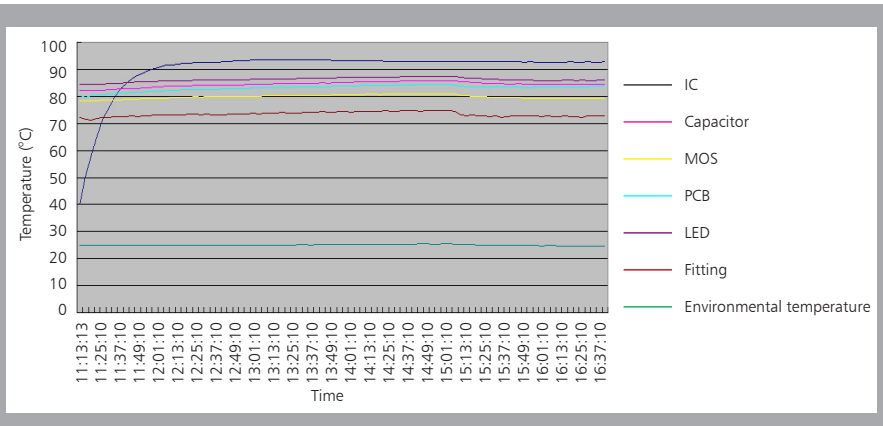
Driver lifetime & LED light decay rate





Temperature

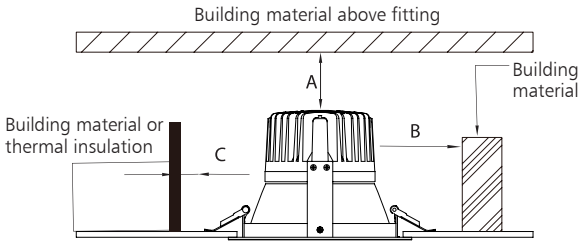
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C.
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



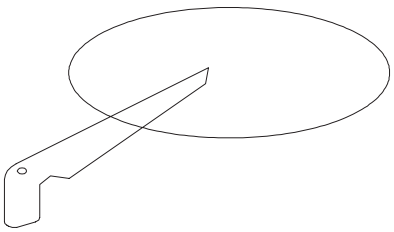
The driver lifespan is based on capacitor working temperature.

Installation

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

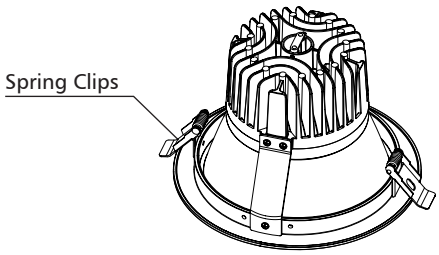


Ceiling Opening



1

Connect Power supply



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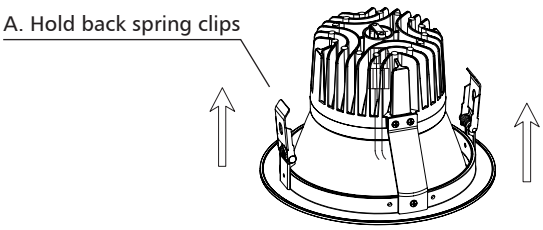
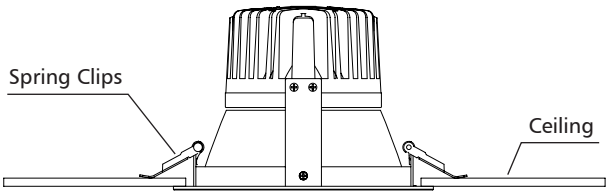


B. Push downlight into position

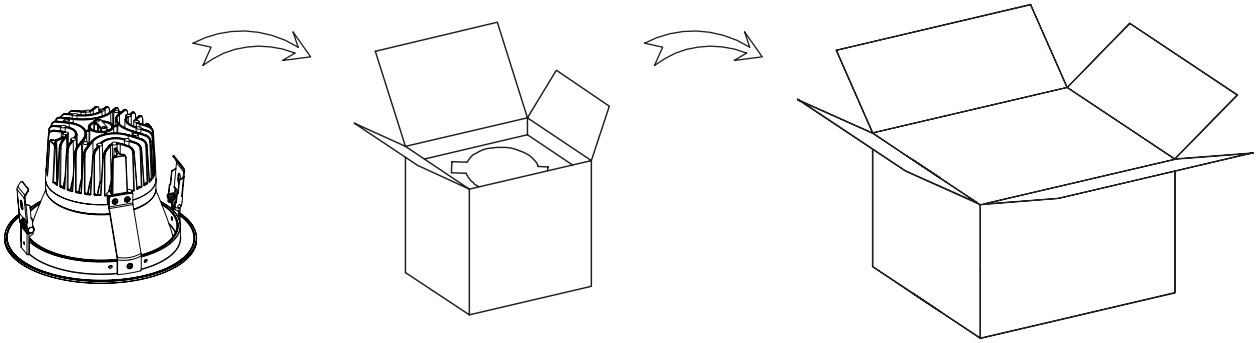
3

Finish



4

Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	45*45*47.5	0.85	11.8	12

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	288	3456	28
40" standard container	576	6912	56