Introduction

DL103 LED recessed downlight adopts super slim and compact design, perfectly suitable for the narrow ceiling installation. IP65 rating front cover design, suitable for damp environment. Traditional diamond plaited surface lens design ensures the high light transmittance and uniform lighting output. T-shape heat sink greatly increases the radiation area and improves cooling efficiency.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- Triac dim, 0-10V dim, DALI dim
- 36°/60° wide beam angle
- Ø68-72mm cutout
- CCT: 2700K 3000K
  4000K 5000K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

Application notes

- Professional electrician for installation only
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

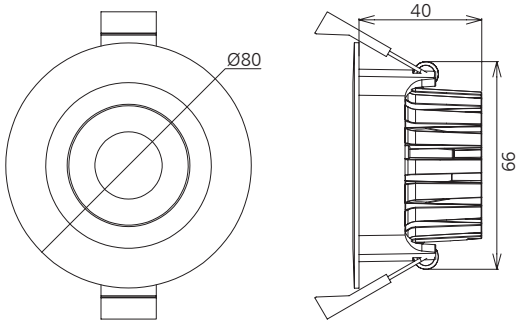
Application Areas

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
DL103A-2.5-5W	AC230V	5W	≥0.9	465	36°/60°	2700K	40000h	≥80	No	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W	AC230V	5W	≥0.9	480	36°/60°	3000K	40000h	≥80	No	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W	AC230V	5W	≥0.9	530	36°/60°	4000K	40000h	≥80	No	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W	AC230V	5W	≥0.9	530	36°/60°	5000K	40000h	≥80	No	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W-D	AC230V	5W	≥0.9	460	36°/60°	2700K	40000h	≥80	Yes	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W-D	AC230V	5W	≥0.9	475	36°/60°	3000K	40000h	≥80	Yes	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W-D	AC230V	5W	≥0.9	525	36°/60°	4000K	40000h	≥80	Yes	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W-D	AC230V	5W	≥0.9	520	36°/60°	5000K	40000h	≥80	Yes	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W	AC230V	5W	≥0.9	345	36°/60°	2700K	40000h	≥90	No	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W	AC230V	5W	≥0.9	370	36°/60°	3000K	40000h	≥90	No	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W	AC230V	5W	≥0.9	410	36°/60°	4000K	40000h	≥90	No	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W	AC230V	5W	≥0.9	380	36°/60°	5000K	40000h	≥90	No	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W-D	AC230V	5W	≥0.9	345	36°/60°	2700K	40000h	≥90	Yes	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W-D	AC230V	5W	≥0.9	365	36°/60°	3000K	40000h	≥90	Yes	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W-D	AC230V	5W	≥0.9	400	36°/60°	4000K	40000h	≥90	Yes	Ø80*40mm cutout Ø68-72mm
DL103A-2.5-5W-D	AC230V	5W	≥0.9	375	36°/60°	5000K	40000h	≥90	Yes	Ø80*40mm cutout Ø68-72mm

Driver data Sheet

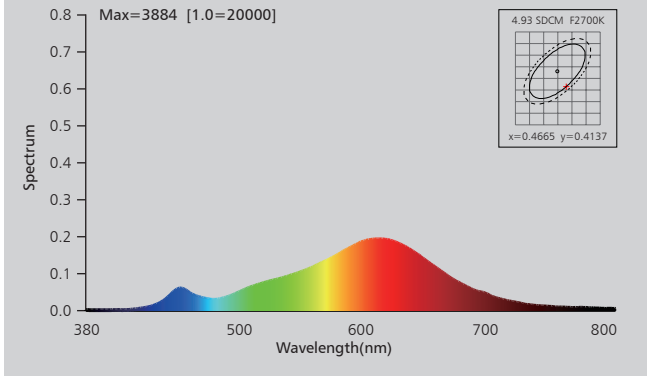
Driver data	DIM	Non dim
Input rated Voltage	AC230V	AC230V
Frequency	50Hz	50/60Hz
Input Voltage	AC200-240V	AC200-240V
Efficiency	≥78%	≥78%
Total load Wattage	5W±0.5W	5W±0.5W
Power Factor	≥0.9	≥0.9
Rated input current	≤0.028A	≤0.028A
Full load output Voltage	DC28-38V	DC25-42V
Rated output current	130mA	130mA
Output current range	130mA±5%	130mA±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	≤20%	≤18%
Withstand voltage	AC3750V	AC3750V

Fixture Compatibility

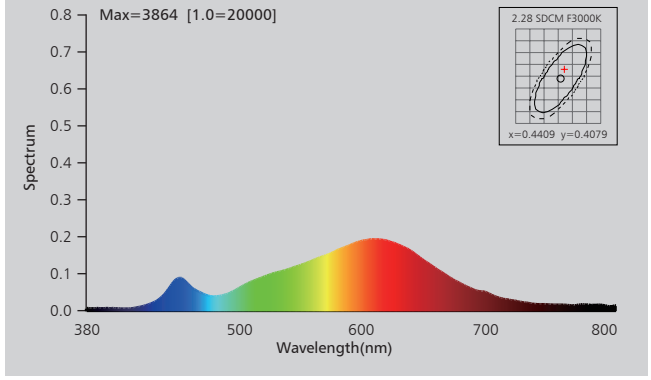
Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
5W	II	IP65	-20°C~45°C	0~90%	-20°C~65°C

Spectral Distribution

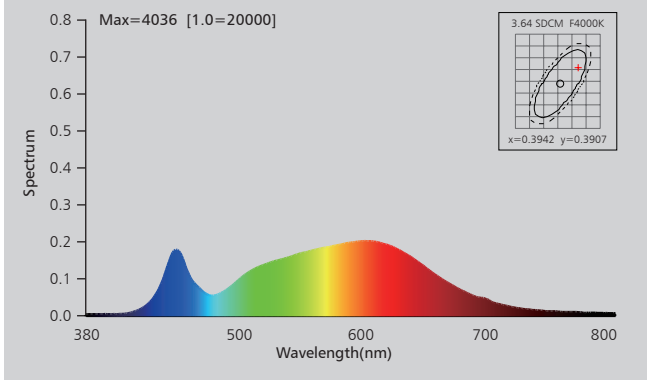
2700K



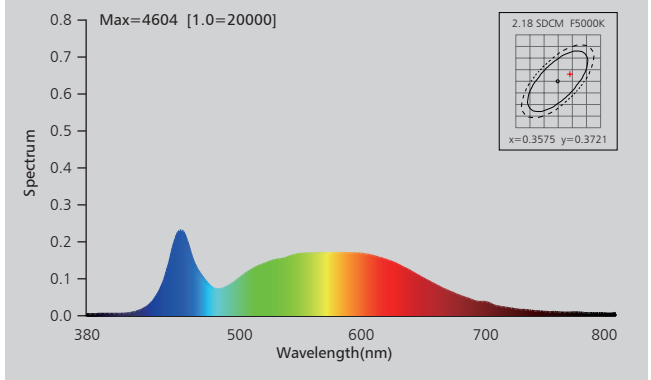
3000K



4000K

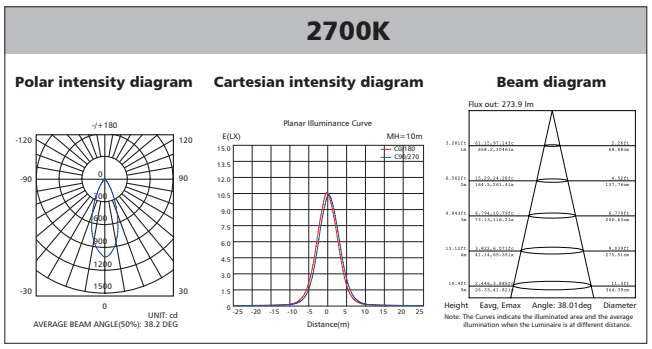


5000K

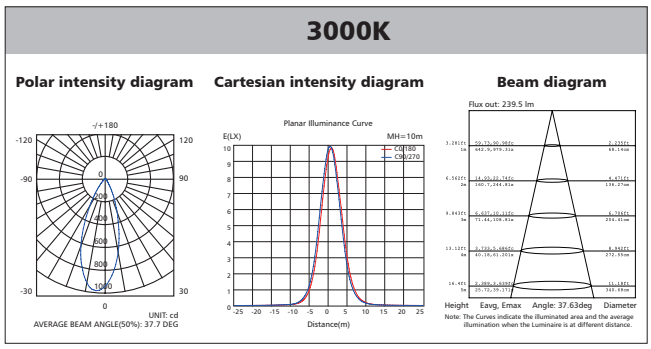


Photometric Diagram

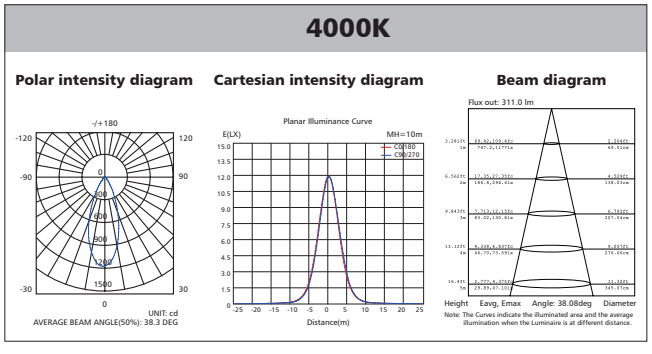
2700K



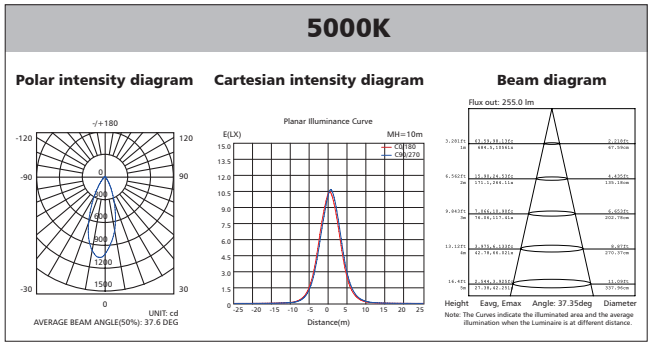
3000K



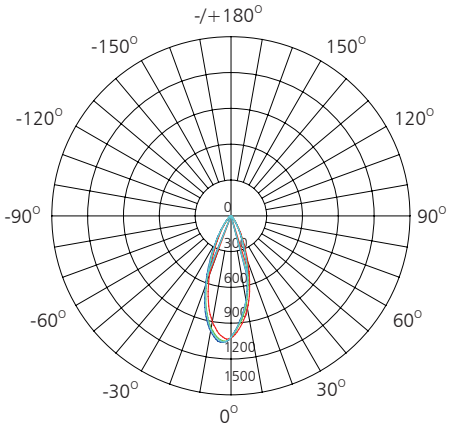
4000K



5000K



Polar Diagram Comparison

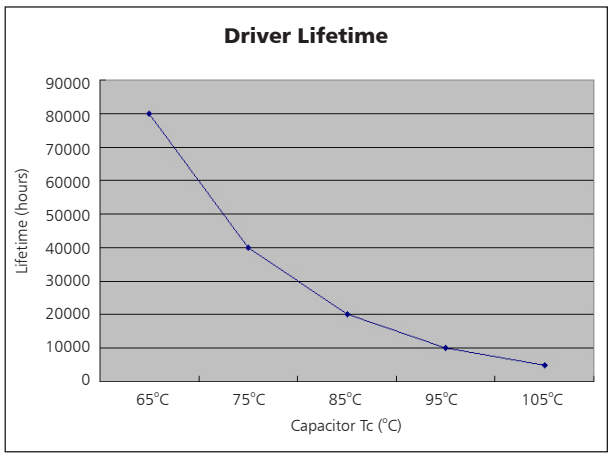


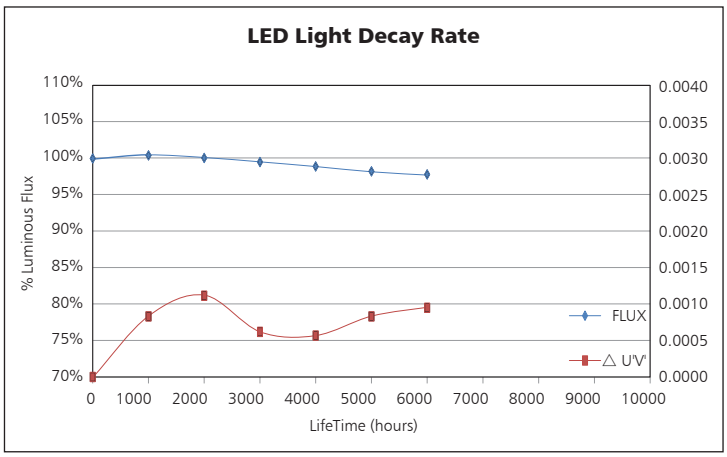
UNIT: cd

- C0/180, 37.9 deg
- C30/210, 37.6 deg
- C60/240, 37.4 deg
- C90/270, 37.3 deg

AVERAGE BEAM ANGLE (50%): 37.6DEG

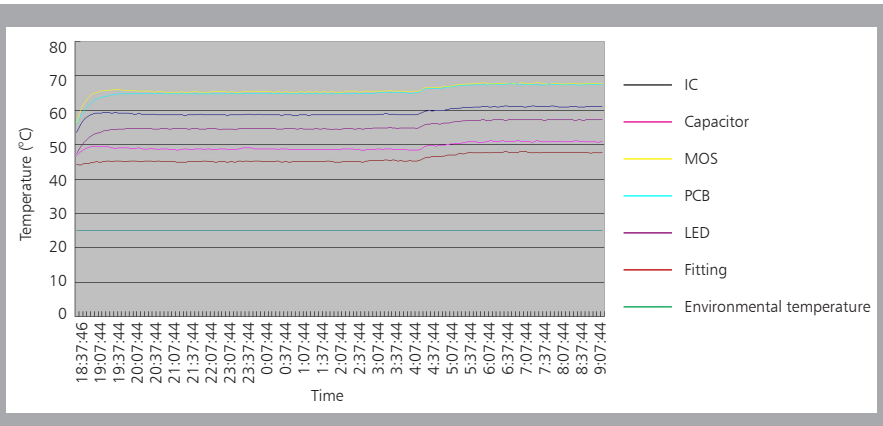
Driver lifetime & LED light decay rate





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.