

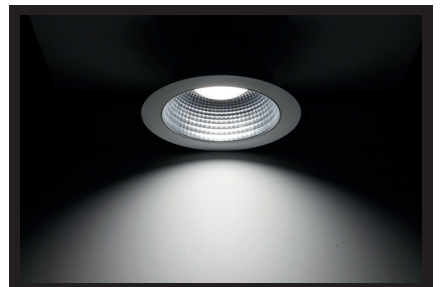
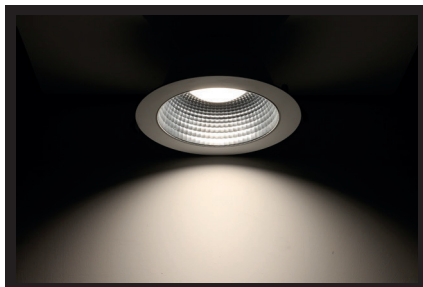
ALTER[®]



UGR<19

Technical Application **LED Downlight CCT**

UP-DL98B-6-18W-C3



Introduction



DL98 model is an integrated downlight provides the perfect combination of efficiency, light comfort and design, without compromising on lighting performance (color rendering and color uniformity). It offers a wide choice of options for creating the desired ambience.

Features

1. Integrated SMD LED down lights with Faceted / Specula Reflector.
2. No external driver required which facilitates easy installation.
3. A perfect alternative to traditional ceiling mounted luminaries.
4. Looping from luminaries to luminaries with mains through-wiring.
5. IP54 protection at room side, suitable for bathrooms, kitchens.
6. CCT can be switched through the slide button on the back of the lamp.
7. Triac Dimmable version available.
8. Good heat dissipating to ensure long life.
9. Internal Driver

Application notes

- IP54 for indoor use only
- The lamp must be installed by professional electrician
- Ensure the power supply is switched off before fitting this product
- Do not touch the lamp when in use
- Keep away from hot steam and corrosive gas

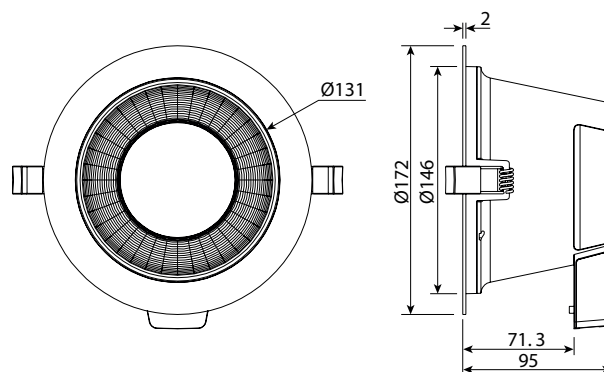
Application Areas

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	Beam angle	Dimmable	Lumen (±5%)	CCT	UGR	Lifespan	CRI	Dimension
UP-DL98B-6-18W-C3	AC230V	18W	≥0.9	60°	No	1700	3000K	—	50,000h	≥80	Ø172*95mm cutout 150-165m m
						1950	4000K				
						1925	5700K				

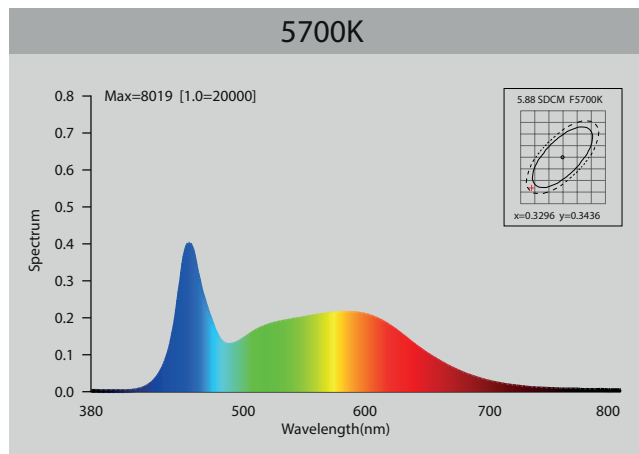
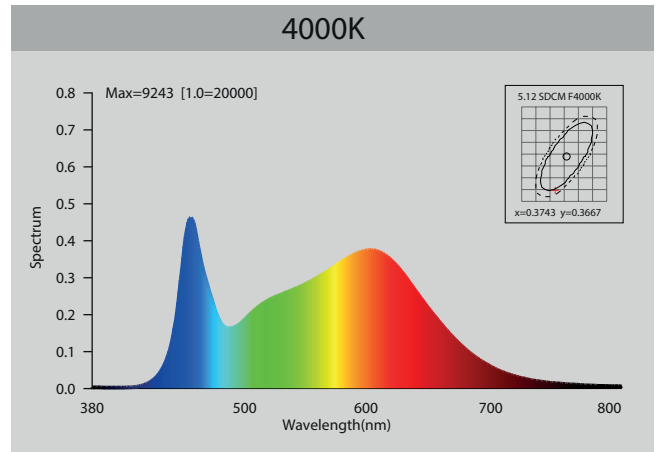
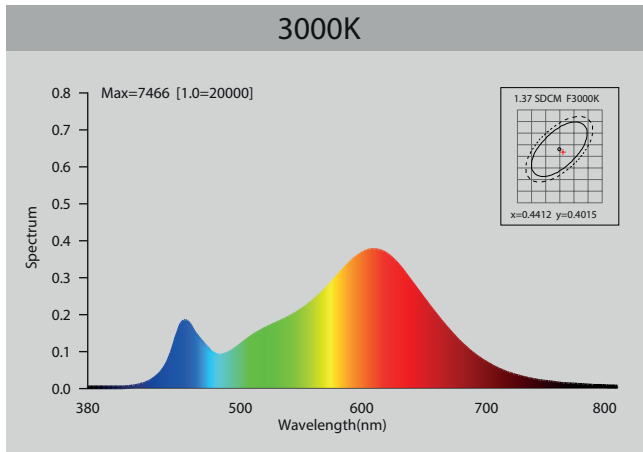
Driver data Sheet

Driver data	Non dim
Input rated Voltage	230V
Frequency	50Hz
Input Voltage	AC90-305V
Efficiency	≥86%
Total load Wattage	18W±1W
Power Factor	≥0.9
Rated input current	≤0.2A
Full load output Voltage	DC65-75V
Rated output current	250mA
Output current range	250mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Dimming range	—
Dimmer	—
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
THD	≤20% @ 230V
Withstand voltage	—

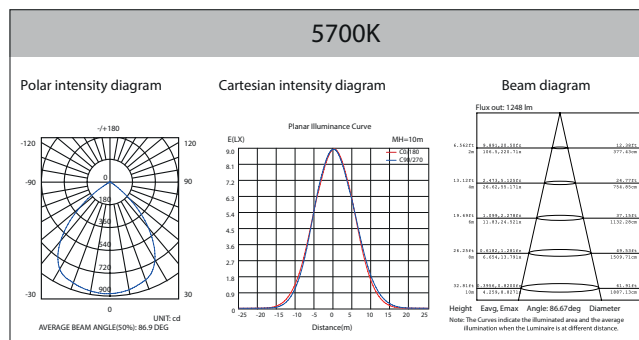
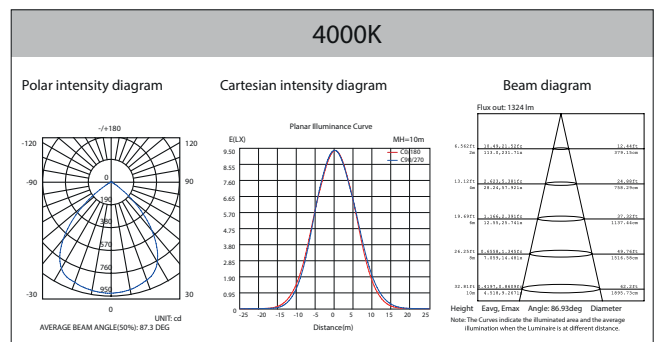
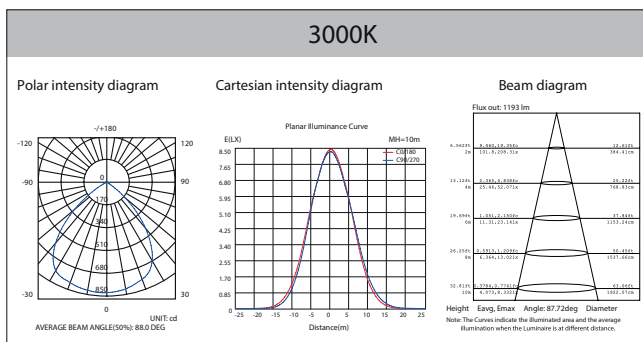
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
18W	II	IP54	-20 °C~45 °C	0~90%	-20 °C~65 °C

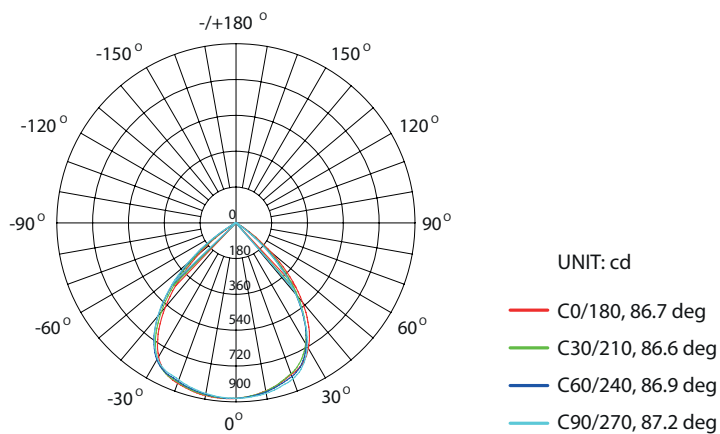
Spectral Distribution



Photometric Diagram



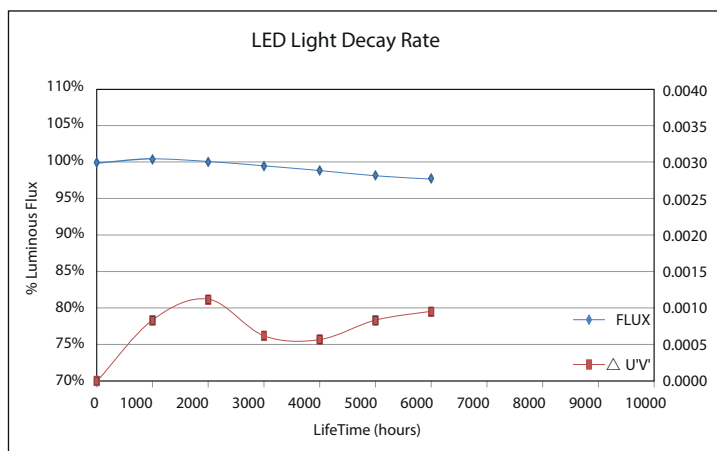
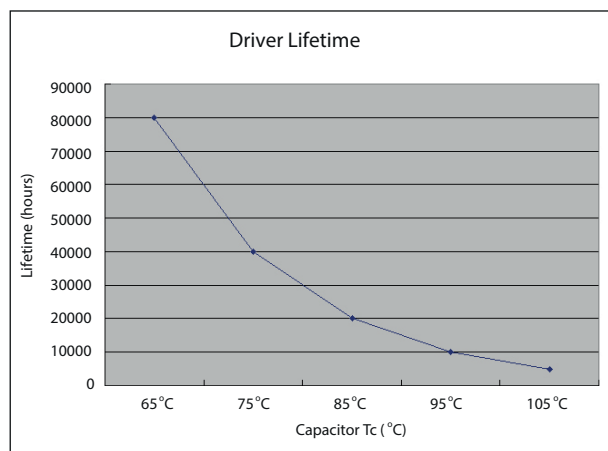
Polar Diagram Comparison



AVERAGE BEAM ANGLE (50%): 86.9DEG

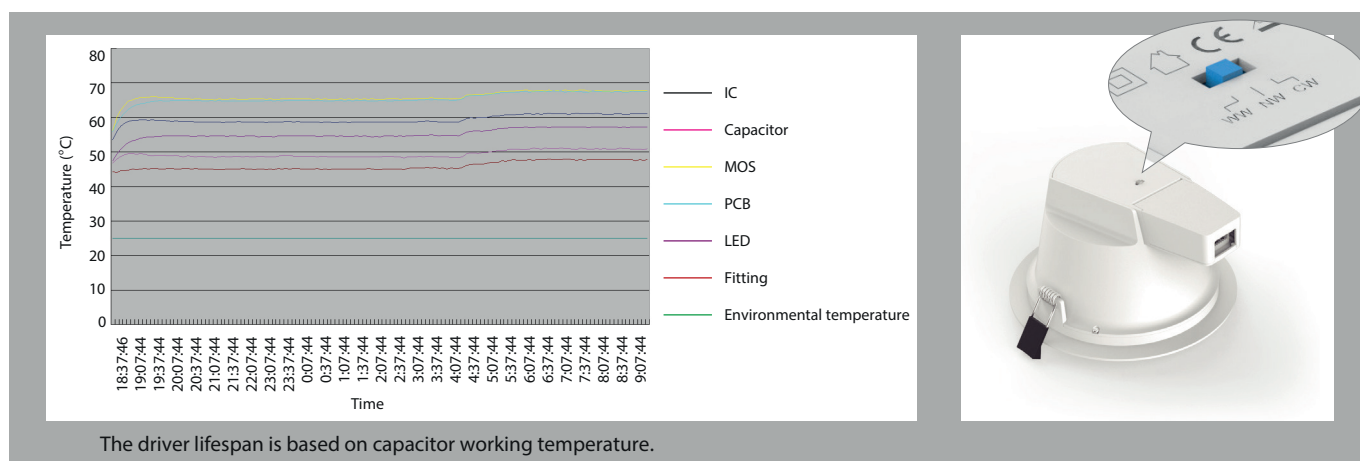


Driver lifetime & LED light decay rate



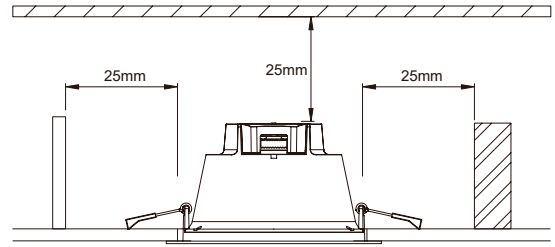
Temperature

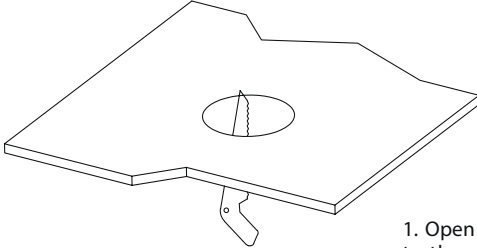
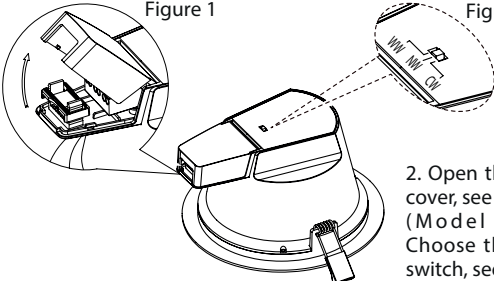
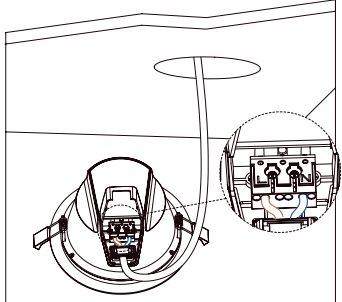
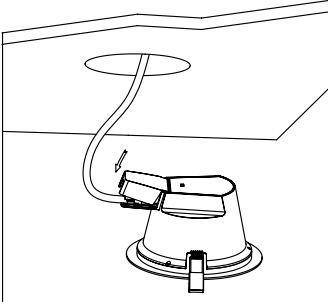
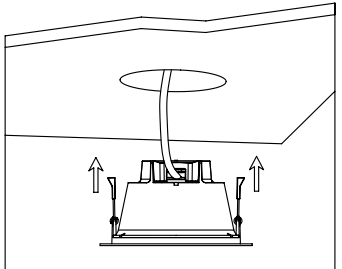
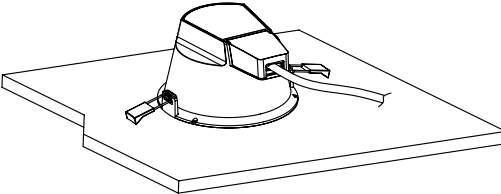
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



Installation

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



 <p>1. Open a hole according to the cutout size of led downlight.</p>	 <p>Figure 1</p> <p>Figure 2</p> <p>2. Open the line pressing cover, see Figure 1. (Model dependent): Choose the CCT by slide switch, see Figure 2.</p>
 <p>3. Put the main AC wire through line pressing clip, feed the L.N to the fast connection terminal block respectively then compress the line pressing clip.</p> <p>L = Brown N = Blue</p>	 <p>4. Close the line pressing cover tightly.</p>
 <p>5. Hold back spring clips then push downlight into the hole.</p>	 <p>6. Make sure the downlight fixed tightly in ceiling, turn on the power.</p>

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