



UPSHINE®



# Technical Application Guide for UP-SHINE LED Downlight

UP-DL98A-8-25W/UP-DL98A-8-25W-D  
UP-DL98B-8-25W/UP-DL98B-8-25W-D

# 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. Triac Dimmable version available.
7. Good heat dissipating to ensure long life.
8. 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

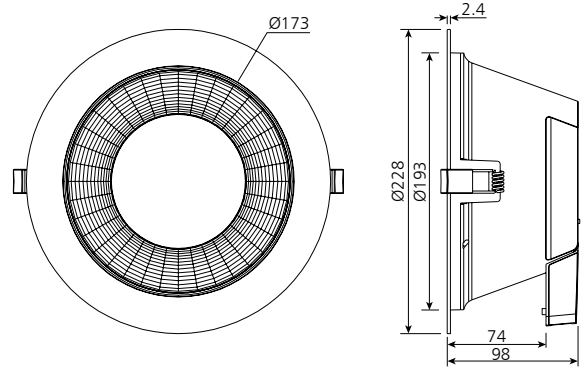
It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.

## Certificate

**CE** **RoHS**



# Product Information



## Technical Specifications

Model	Voltage	Power	Power Factor	Beam angle	Dimmable	Lumen (±5%)	CCT	UGR	Lifespan	CRI	Dimension
UP-DL98A-8-25W UP-DL98B-8-25W	AC100-277V	25W	≥0.9	90°	No	2450	3000K	—	50,000h	≥80	Ø228*98mm cutout 200-210mm
						2930	4000K				
						2850	5000K				
						2880	5700K				
UP-DL98A-8-25W-D UP-DL98B-8-25W-D	AC200-240V	25W	≥0.9	90°	Yes	2330	3000K	—	50,000h	≥80	Ø228*98mm cutout 200-210mm
						2800	4000K				
						2700	5000K				
						2730	5700K				
UP-DL98B-8-25W	AC100-277V	25W	≥0.9	60°	No	2500	3000K	≤22	50,000h	≥80	Ø228*98mm cutout 200-210mm
						2850	4000K				
						2800	5000K				
						2750	5700K				
UP-DL98B-8-25W-D	AC200-240V	25W	≥0.9	60°	Yes	2450	3000K	≤22	50,000h	≥80	Ø228*98mm cutout 200-210mm
						2780	4000K				
						2680	5000K				
						2630	5700K				

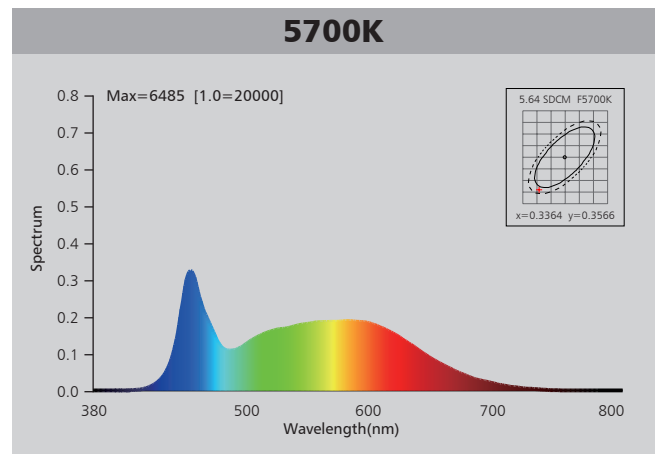
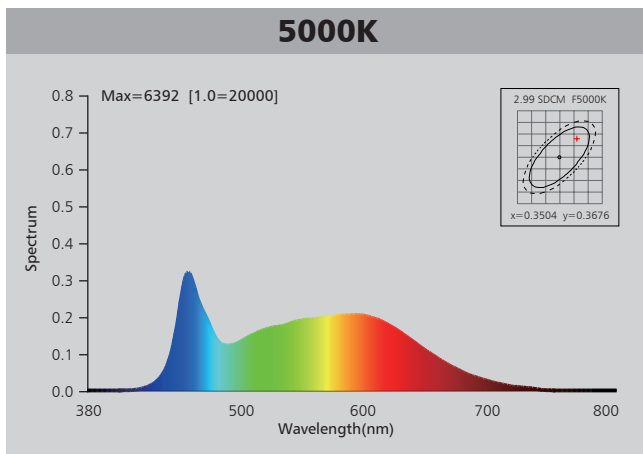
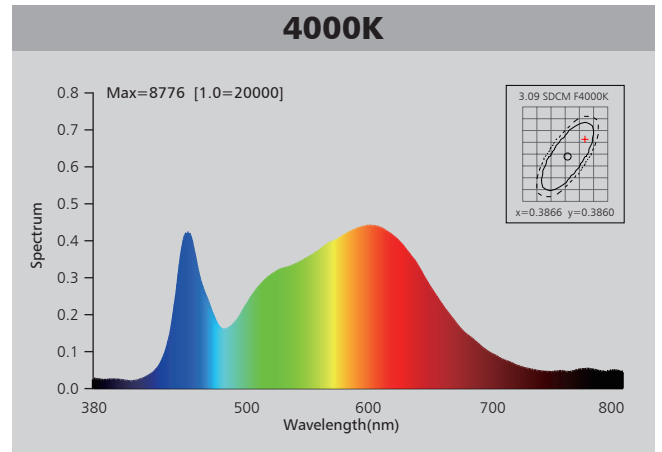
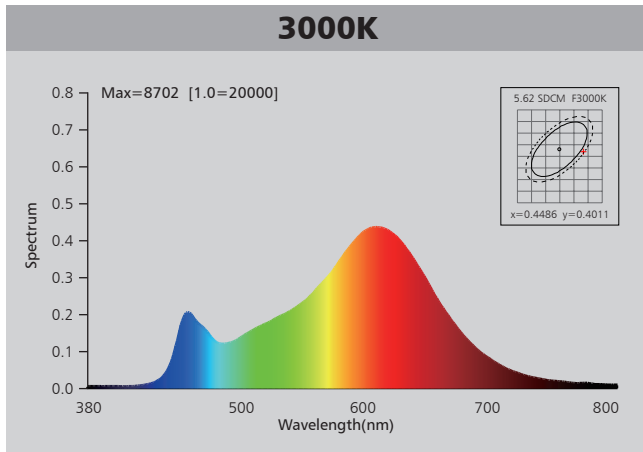
## Driver data Sheet

Driver data	Dim	Non dim
Input rated Voltage	AC230V	AC100-277V
Frequency	50Hz	50/60Hz
Input Voltage	AC200-240V	AC90-305V
Efficiency	≥83%	≥87%
Total load Wattage	25W±5%	25W±5%
Power Factor	≥0.9	≥0.9
Rated input current	≤0.14A	≤0.28A
Full load output Voltage	DC65-75V	DC65-75V
Rated output current	300mA	340mA
Output current range	300mA±5%	340mA±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% @ 230V	≤20% @ 230V
Withstand voltage	—	—

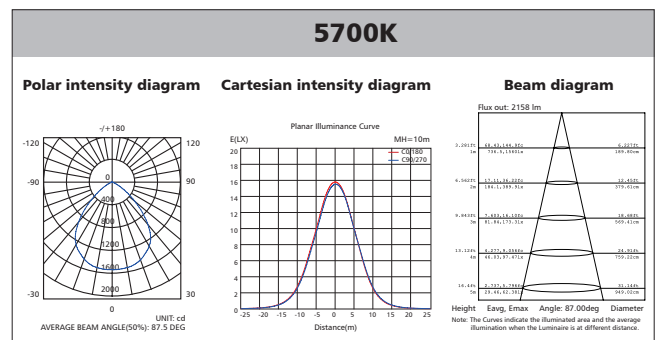
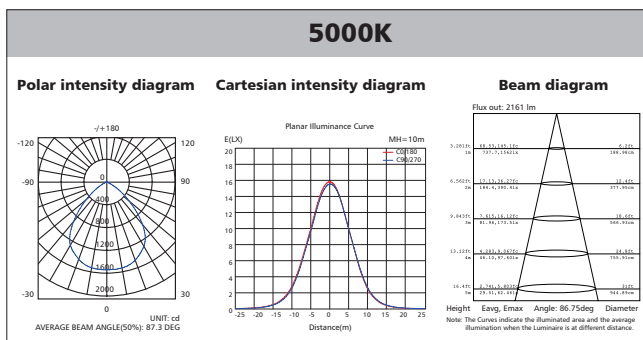
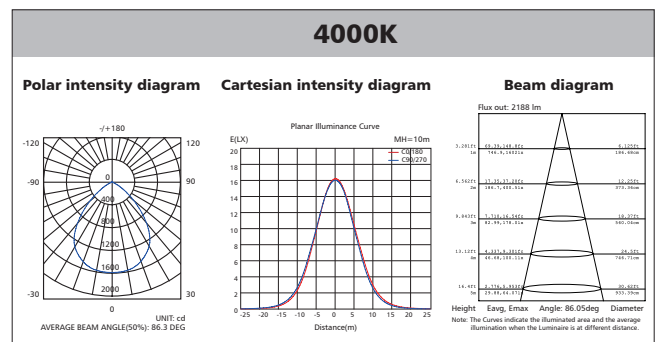
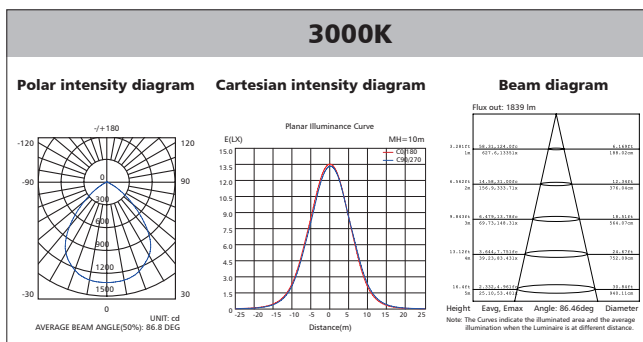
## Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
25W	II	IP54	-20°C~45°C	0~90%	-20°C~65°C

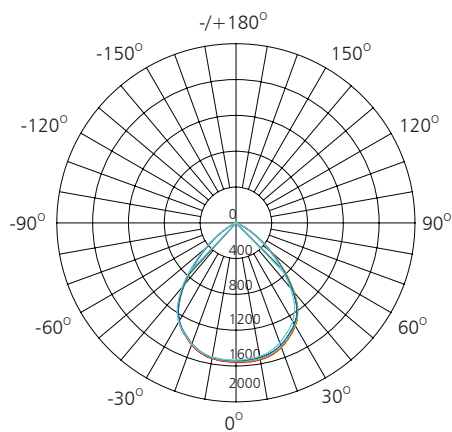
# Spectral Distribution



# Photometric Diagram



## Polar Diagram Comparison



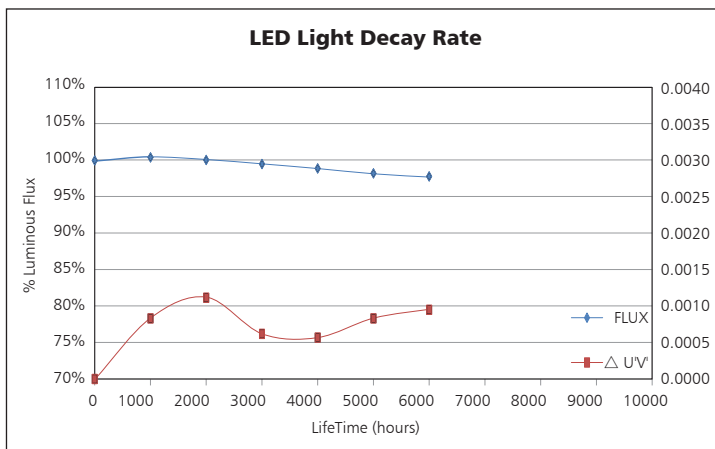
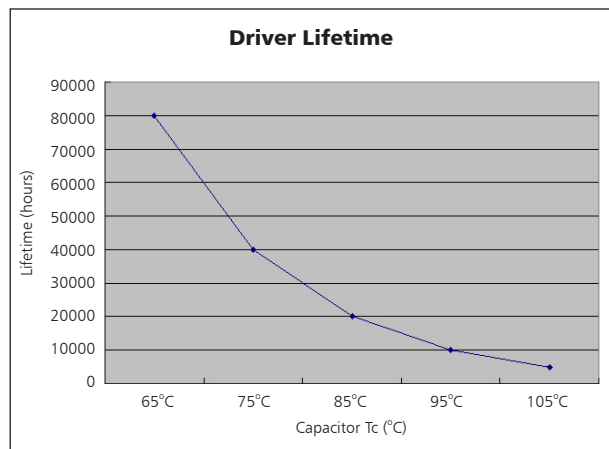
UNIT: cd

- C0/180, 87.3 deg
- C30/210, 87.4 deg
- C60/240, 87.6 deg
- C90/270, 87.6 deg

AVERAGE BEAM ANGLE (50%): 87.5DEG

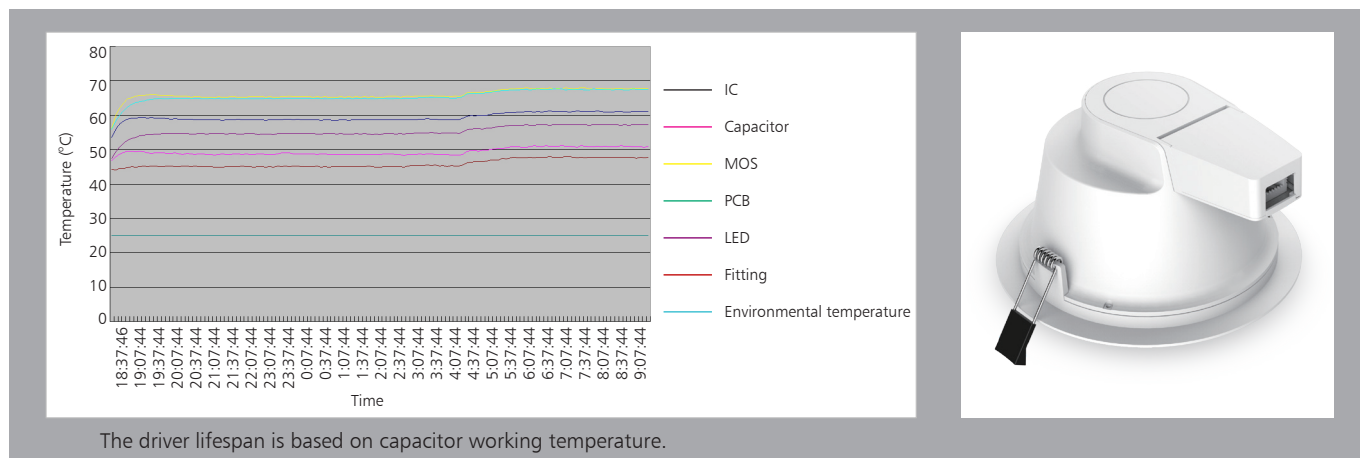


## Driver lifetime & LED light decay rate



## Temperature

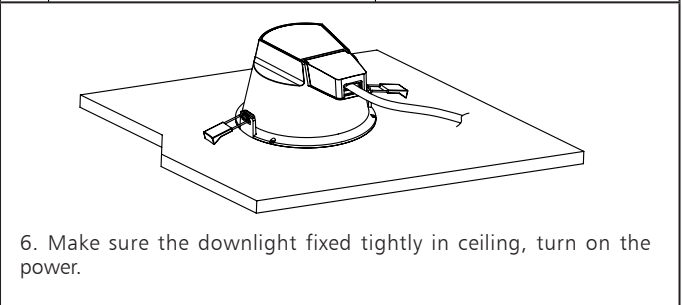
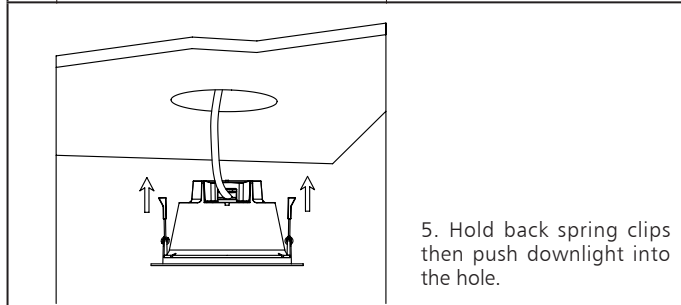
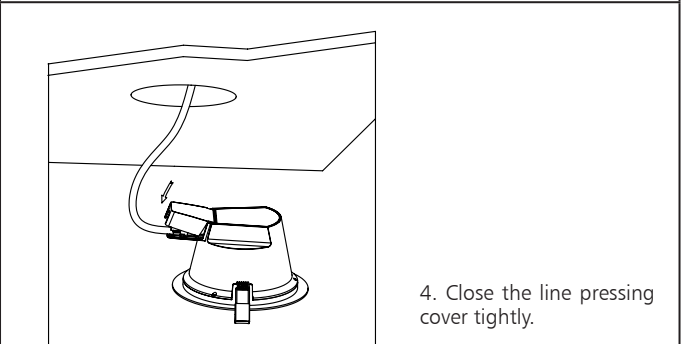
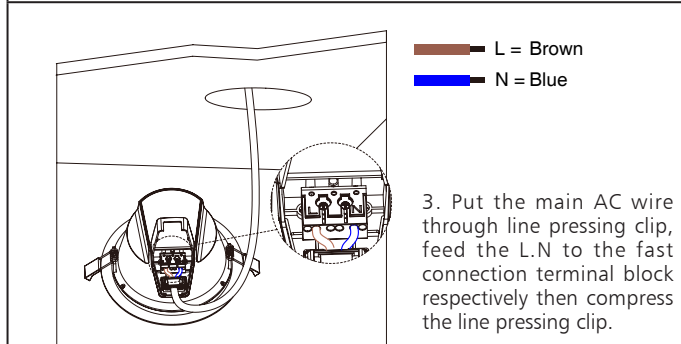
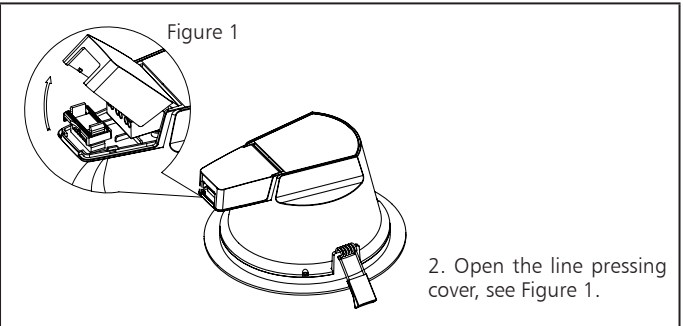
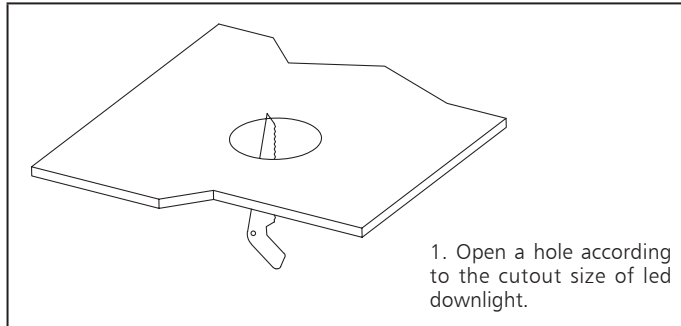
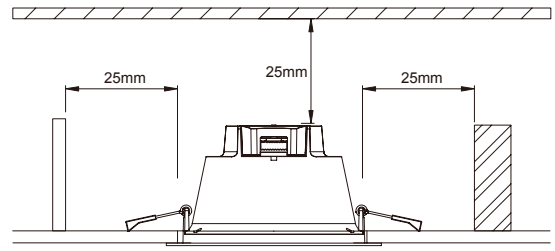
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



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	52*52*44	0.54	10.7	12

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	232	2784	28
40" standard container	466	5592	56

