



UPSHINE<sup>®</sup>



Technical Application  
Guide for UP-SHINE  
LED Downlight  
UP-DL133-4-10W-D

# Introduction



Up-shine DL133 retrofit kit adopts high lumen LM80 SMD chip and high transmittance cover which increase the luminous efficiency and makes the lighting soft. Aluminum body makes the better heat dissipation and lighter weight. 4inch, 5&6 inch full size in E26 adaptor for easier installation. Can work with triac dimmers.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 36,000 hours
- Dimmable when using triac dimmer
- 110° wide beam angle
- CCT: 2700K 3000K 4000K 5000K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

## **Application notes**

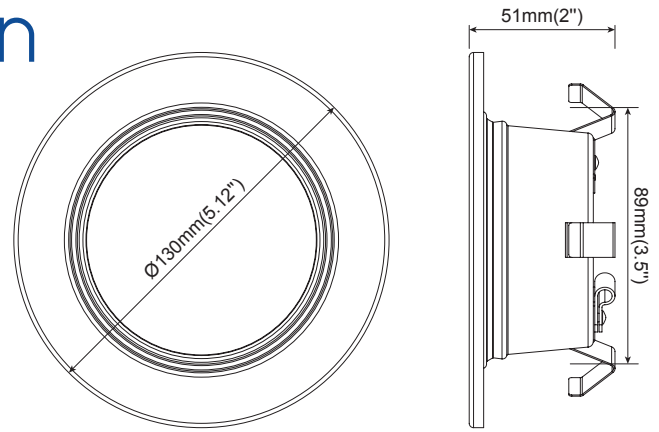
- For Damp location
- Professional electrician for installation only
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

## **Application Areas**

it has been designed to replace the traditional lamp with housing and been widely used in residential, official and commercial internal lighting area.



# Product Information



## Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	CCT	Beam angle	Lifespan	CRI	Dimmable	Dimension
UP-DL133-4-10W-D	AC120V	10W	≥0.9	520 (630)	2700K	110°	3,6000h	≥80	Yes	Ø130*51mm (5.12" * 2")
				540(640)	3000K					
				560(650)	3500K					
				560(650)	4000K					

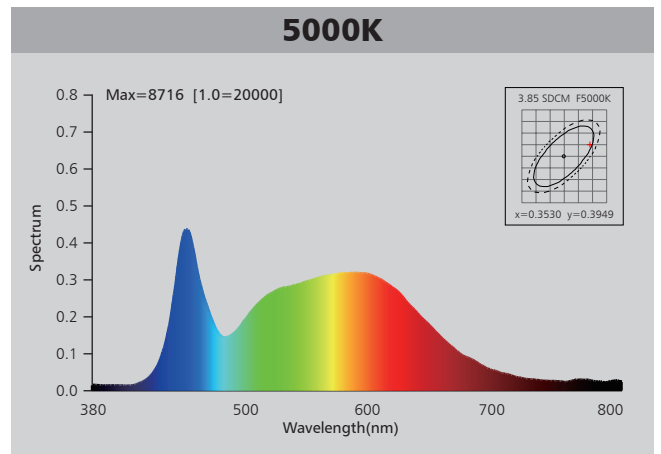
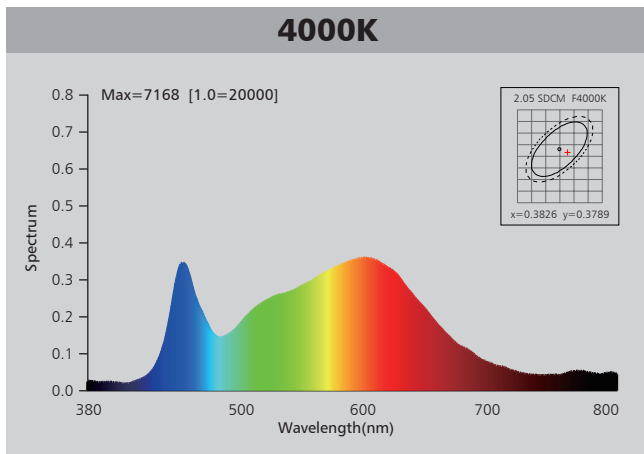
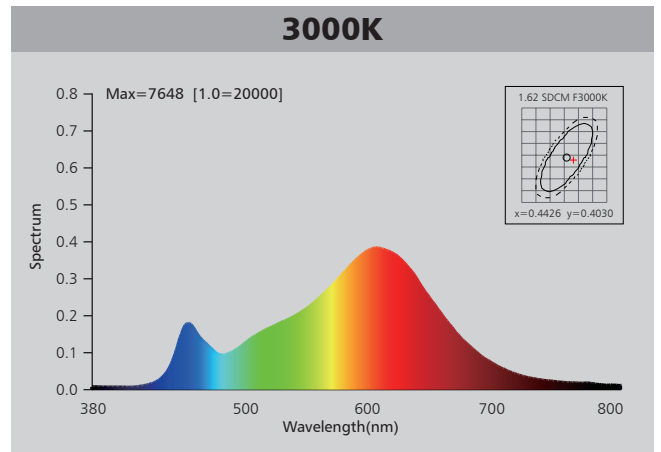
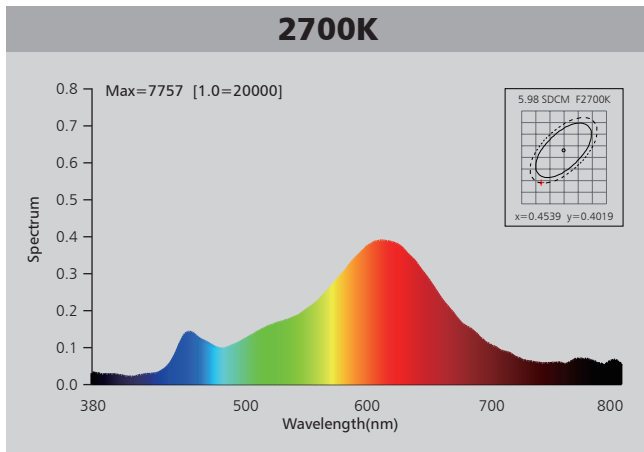
## Driver data Sheet

Driver data	DIM
Input rated Voltage	AC120V
Frequency	60Hz
Input Voltage	AC100-130V
Efficiency	≥75%
Total load Wattage	10W±1W
Power Factor	≥0.9
Rated input current	≤0.13A
Full load output Voltage	DC120-140V
Rated output current	60mA
Output current range	60mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Dimming range	8%-100%
Dimmer	Triac dimmers
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
THD	—
Withstand voltage	—

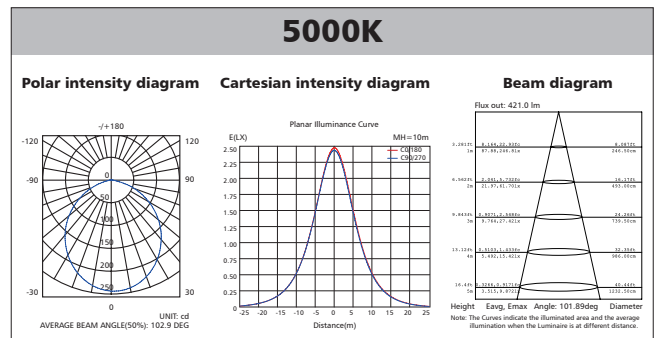
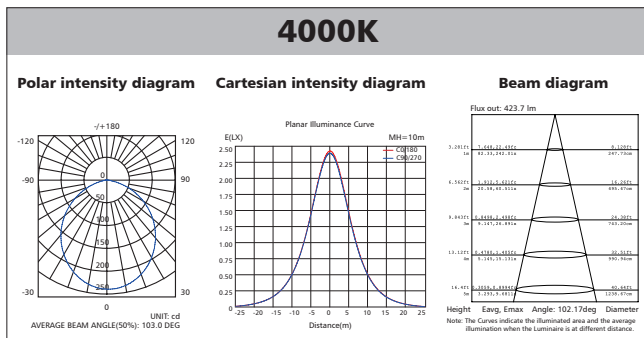
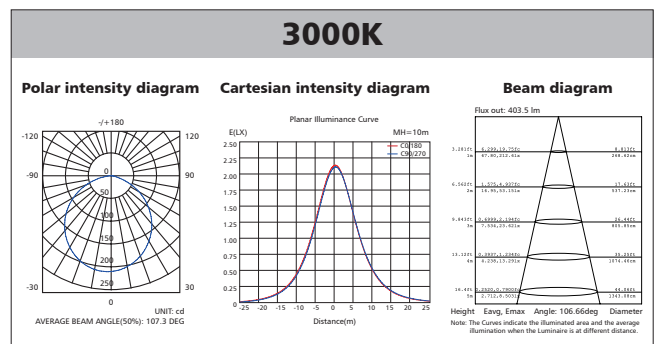
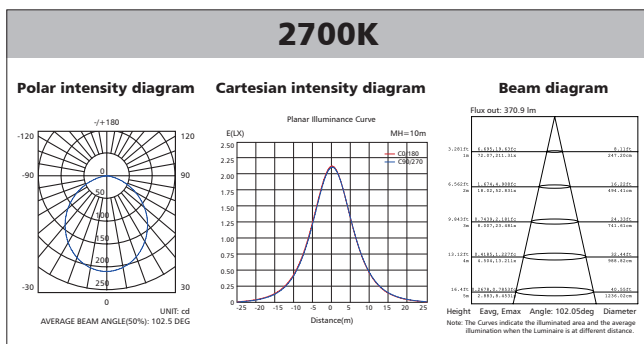
## Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
10W	No Ground	Damp Location	-20°C~45°C	0~90%	-20°C~65°C

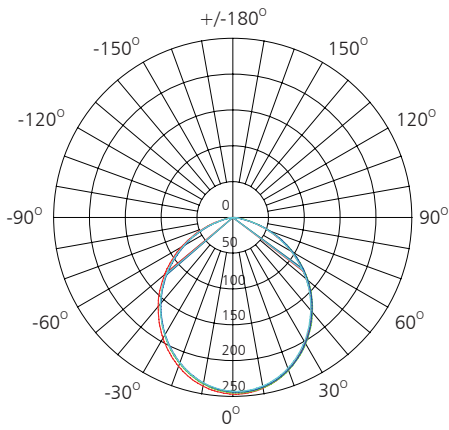
# Spectral Distribution



# Photometric Diagram



# Polar Diagram Comparison



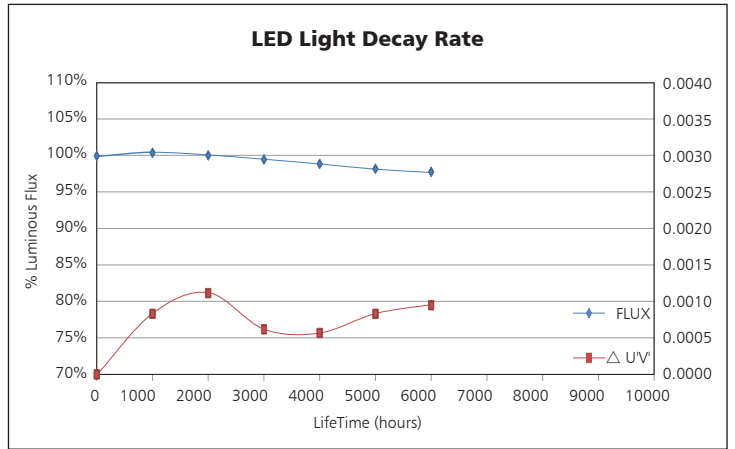
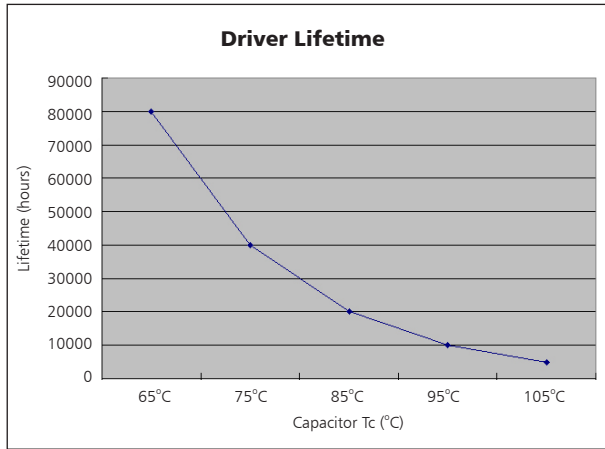
UNIT: cd

- C0/180, 103.0 deg
- C30/210, 103.0 deg
- C60/240, 102.9 deg
- C90/270, 102.8 deg



AVERAGE BEAM ANGLE (50%): 102.9DEG

# 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

Time	IC	Capacitor	MOS	PCB	LED	Fitting	Environmental temperature
11:13:13	~45	~55	~65	~25	~45	~45	~25
11:25:10	~45	~55	~65	~25	~45	~45	~25
11:37:10	~45	~55	~65	~25	~45	~45	~25
11:49:10	~45	~55	~65	~25	~45	~45	~25
12:01:10	~45	~55	~65	~25	~45	~45	~25
12:13:10	~45	~55	~65	~25	~45	~45	~25
12:25:10	~45	~55	~65	~25	~45	~45	~25
12:37:10	~45	~55	~65	~25	~45	~45	~25
12:49:10	~45	~55	~65	~25	~45	~45	~25
13:01:10	~45	~55	~65	~25	~45	~45	~25
13:13:10	~45	~55	~65	~25	~45	~45	~25
13:25:10	~45	~55	~65	~25	~45	~45	~25
13:37:10	~45	~55	~65	~25	~45	~45	~25
13:49:10	~45	~55	~65	~25	~45	~45	~25
14:01:10	~45	~55	~65	~25	~45	~45	~25
14:13:10	~45	~55	~65	~25	~45	~45	~25
14:25:10	~45	~55	~65	~25	~45	~45	~25
14:37:10	~45	~55	~65	~25	~45	~45	~25
14:49:10	~45	~55	~65	~25	~45	~45	~25
15:01:10	~45	~55	~65	~25	~45	~45	~25
15:13:10	~45	~55	~65	~25	~45	~45	~25
15:25:10	~45	~55	~65	~25	~45	~45	~25
15:37:10	~45	~55	~65	~25	~45	~45	~25
15:49:10	~45	~55	~65	~25	~45	~45	~25
16:01:10	~45	~55	~65	~25	~45	~45	~25
16:13:10	~45	~55	~65	~25	~45	~45	~25
16:25:10	~45	~55	~65	~25	~45	~45	~25
16:37:10	~45	~55	~65	~25	~45	~45	~25

The driver lifespan is based on capacitor working temperature.

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# Installation

1. Take out the retrofit and E26 base.

2. Install the E26 base to the housing. Connect the retrofit to the base.

3. Insert the retrofit into the housing.

4. Make sure the retrofit firmly stuck in the housing. Install complete.

# Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	59.5*39.5*31.5	0.1	8.5	48

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	370	17760	28
40" standard container	740	35520	56

