



## Data Sheet for LumiLife

18 Watt LED Downlight - Surface Mount  
CCT Changeable - Dimmable - IP54

DL-18W-12IN-SM-IP54-CC-D

# Introduction



The LED LUMiLife surface mounted downlight is CE and RoHS approved. With the IP54 rating, it is suitable to be used in any indoor application or that may be in contact with splashing water, dust, oil and any other non-corrosive material. The unit is a perfect alternative to traditional CFL downlights. The colour changing range can replace CFLs ranging from 24W-36W - saving you money.

The LED Downlight is suitable in all environments. From a cosy, warm atmosphere to a crisp commercial setting, it can all be adjusted and dimmed thanks to the CCT technology in the unit. The CCT unit offers the following colour temperature range: 3000K (Warm White) > 4000K (Daylight) > 5700K (Cool White) all with a flick of a switch located on the back. With this added feature, it is suitable for any environment such as offices, schools, hotels, workshop, warehouse etc. The unit also measures at 12 inches.

Providing a superior PC diffuser with high performance it is also fire rated (UL94-V0). The unit has a aging resistance and yellowing resistance providing a longer lifespan.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 50,000 hours
- Triac dimmable
- 120° wide beam angle
- CCT: 3000K 4000K 5700K
- Environment friendly, without Mercury or any other hazardous substances

## Application notes

- IP54 for indoor use
- To be installed by qualified electrician
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

## Application Areas

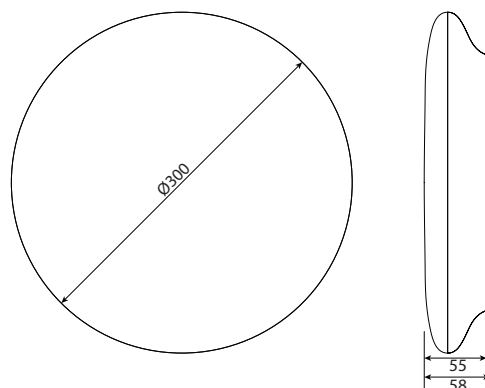
Suitable for commercial and residential applications like office, supermarket, shop, school, hotel, restaurant, workshop, warehouse, home etc.

## Certificate

**CE RoHS**



# Product Information



## Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
DL-18W-12IN-SM-IP54-CC-D	AC100-240V	18W	≥0.9	1740-1840	120°	3000K 4000K 5700K	50000h	≥80	No	Ø300*58mm

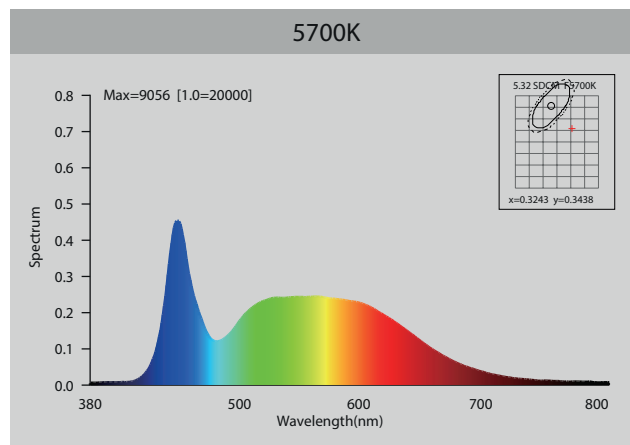
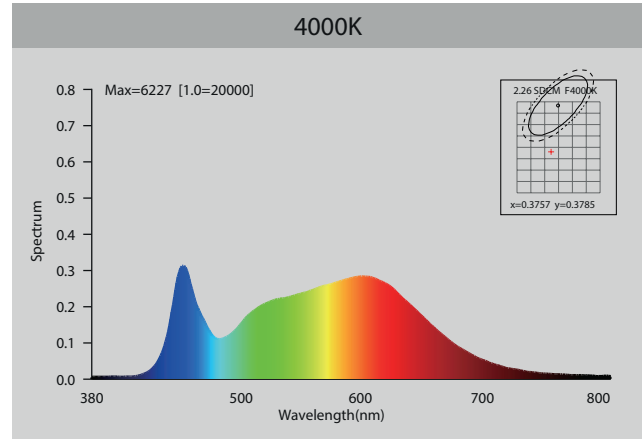
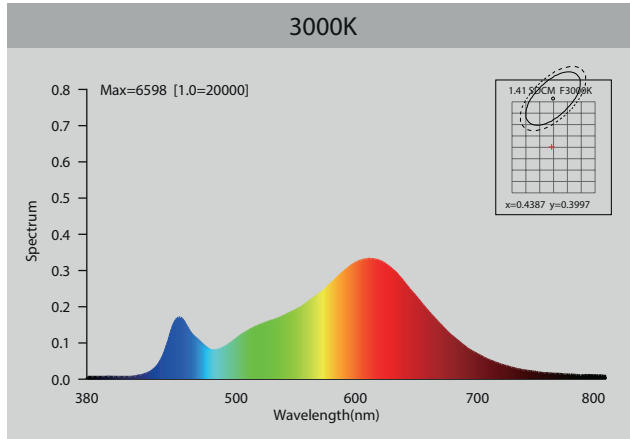
## Driver data Sheet

Driver data	DIM
Input rated Voltage	AC230V
Frequency	50Hz
Input Voltage	AC200-240V
Efficiency	≥83%
Total load Wattage	18W±1W
Power Factor	≥0.9
Rated input current	≤0.1A
Full load output Voltage	DC65-75V
Rated output current	225mA
Output current range	225mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Dimming range	8%-100%
Dimmable	Triac
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
Withstand voltage	—

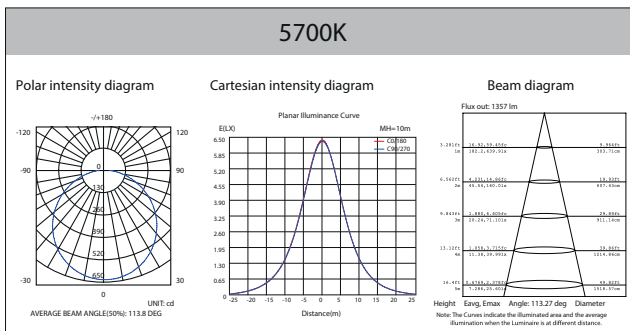
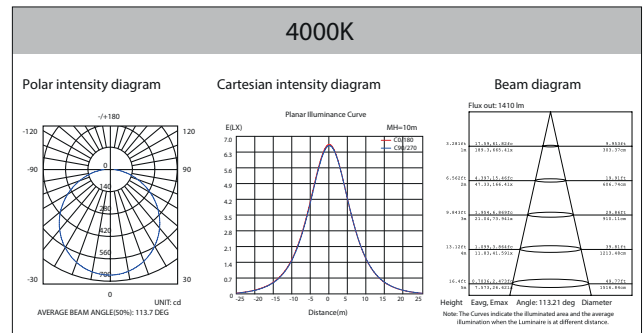
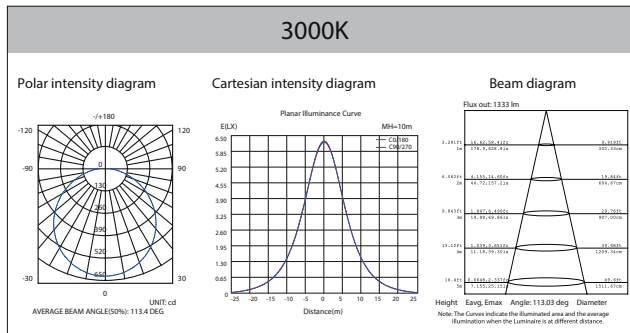
## Fixture Compatibility

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

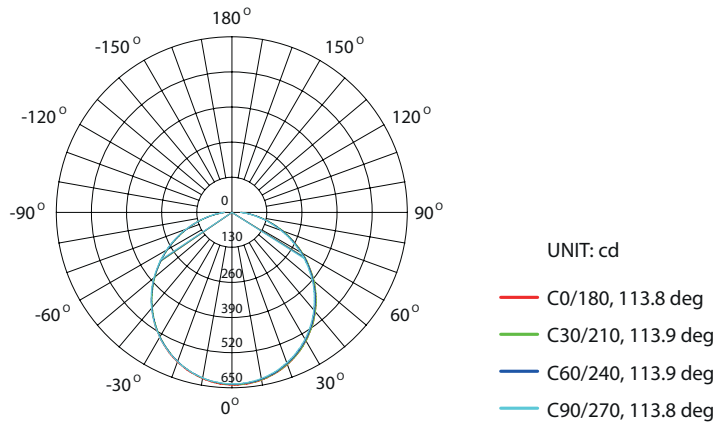
## Spectral Distribution



## Photometric Diagram



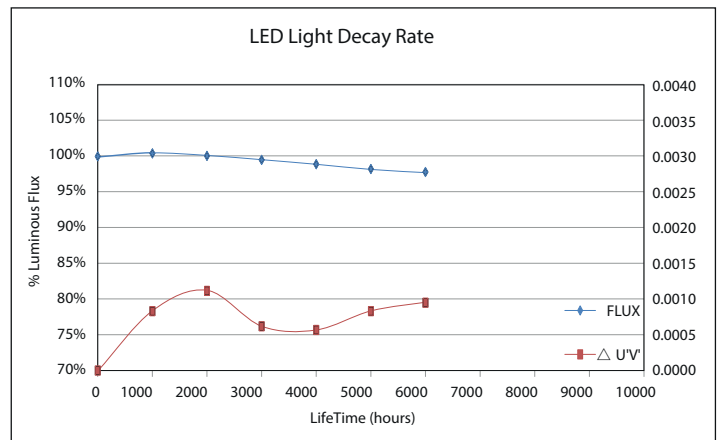
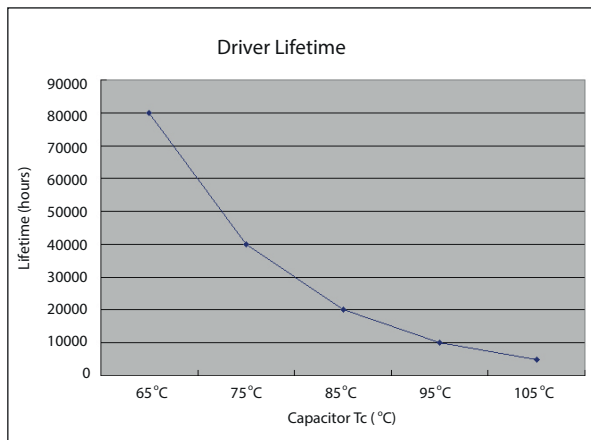
## Polar Diagram Comparison



AVERAGE BEAM ANGLE (50%): 113.8 DEG

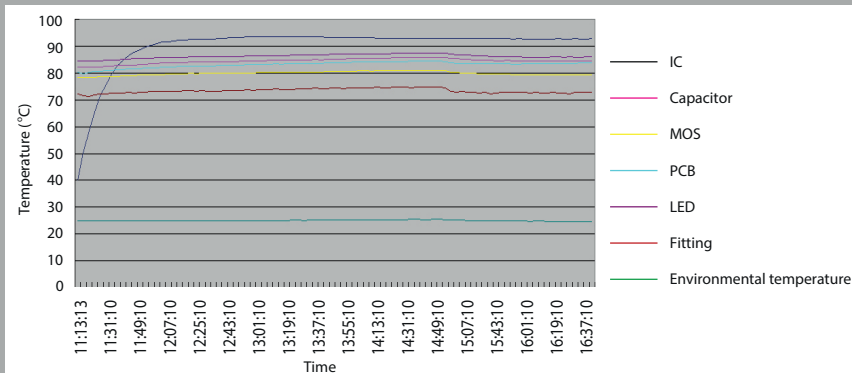


## Driver lifetime & LED light decay rate



## 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

**1**

Lamp

Installation accessories

**2**

Pull out the bracket anticlockwise by screw driver, take out the bracket.

**3**

Knock the plastic anchor into ceiling, fix the bracket with screws on the ceiling.

**4**

Wire "L" "N" to terminal block.

L=BROWN  
N=BLUE

**5**

Push the lamp upward and rotate it into bracket. Rotate the lamp clockwise until it is firmly fixed.

**6**

OFF  
ON

DIM

## Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	73*33*33	0.76	10.5	10

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	345	3450	28
40" standard container	690	6900	56

