

# Specification

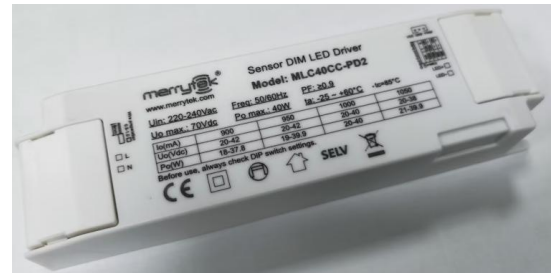
**Product Name:** Sensor DIM LED Driver

**Product Model:** MLC40CC-PD2 (PWM)

Versions	Release/ change Date	Reason	Publishing
V1.0	2025.03.12		James Guo

## 【Product Feature】

- Isolated two-stage circuit frame, full dimming and flicker-free.
- Support DIP switches to set the current gear; Slide Switches to select the CC/CW/WW
- Support 8.5V auxiliary power supply, with sensing split head can achieve integrated sensing function.
- Equip with PWM dimming control port.
- Suitable for various microwave sensors or wireless smart modules.

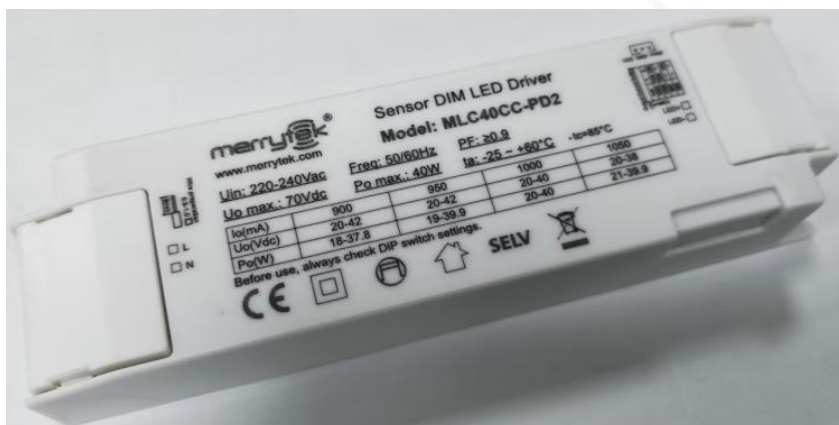


## 【Parameters】

Input	
Rated voltage	220-240V AC 50Hz/60Hz
Stand-by power	≤0.5W (No Equip with sensing split head)
Surge	1KV(L/N,EN61000-4-5)
Power factor	≥0.95 (230V Max load)
Input current	≤0.23A @230VAC full load
Inrush current	≤30A (100us half-current) @230V AC
Working efficiency	≥86% (230V Max load)
Output	
Working model	CC
Type of load	LED
Flick	≤5%
Constant current accuracy	Constant current accuracy ±5%
Auxiliary driver parameters	8.5VDC Current: 100mA Max
No-load output voltage	70VDC Max
Full load power	40W Max
Load current	900mA/950mA/1000mA/1050mA
Load output voltage range	900mA / 20-42VDC
	950mA / 20-45VDC
	1000mA /20-40VDC
	1050mA /20-38VDC
Abnormality Protection Requirements	
Protection mode	Input overvoltage protection; Input no-load protection no-load protection Input short circuit protection
Environmental Requirements	
Operating temperature	Built-in: -25...+60℃
Tcase-max	85℃
Storage	-40℃...+80℃ Humidity: ≤85% (non-condensation)

temperature/humidity	
<b>Certificate Standards</b>	
Certificate	CE、UKCA、SAA
Environmental requirement	RoHS2.0, Reach requirement
Safety standards(LVD)	EN61347-1, EN61347-2-13
EMC standards	EN55015, EN61547, EN61000-3-2, EN61000-3-3
Withstand voltage	Primary to secondary: 3.75KVAC
IP Rating	IP20
Product Category	Class II
<b>Others</b>	
Wiring method	Press terminal, wire diameter: 0.5-1.0mm <sup>2</sup>
Installation	Built-in
Package	PE bag clapboard, carton (K=A)
Net weight	135 ±5g
Lifetime	5years warranty@Ta50/TC70℃, 230V full load

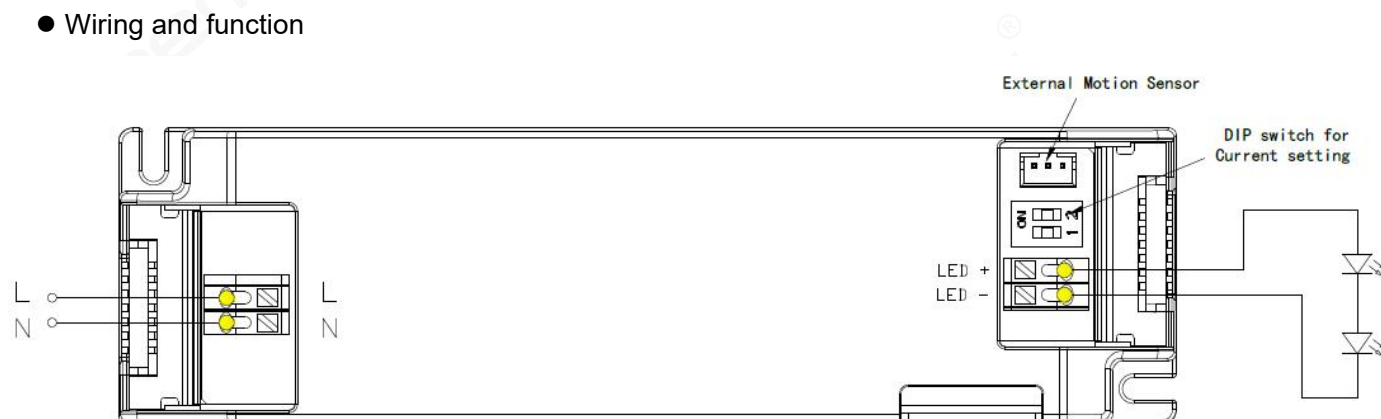
## 【Product Picture】



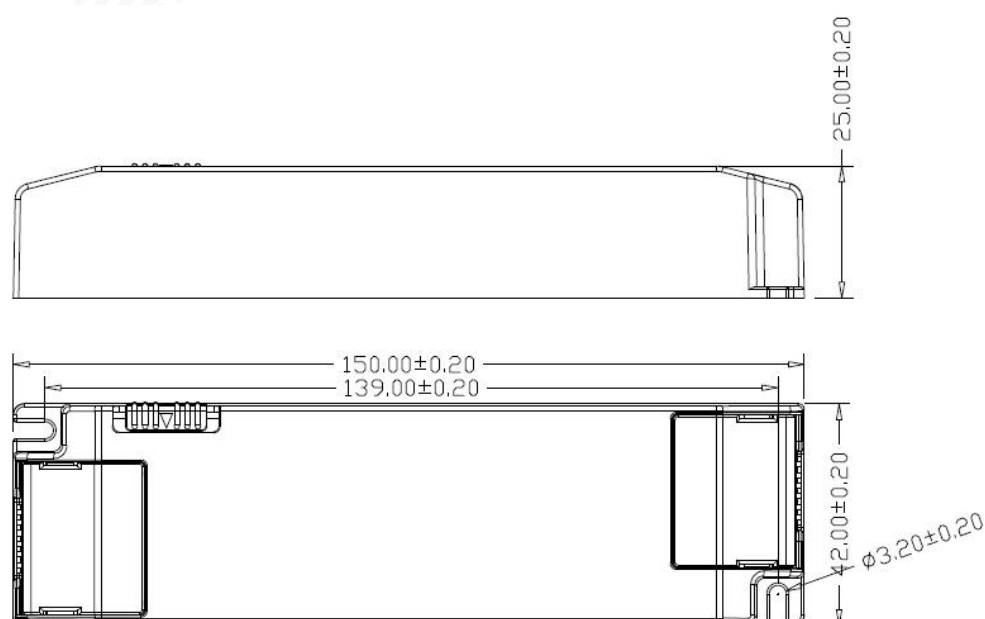
MLC40CC-PD2

## 【Product Information】

### ● Wiring and function



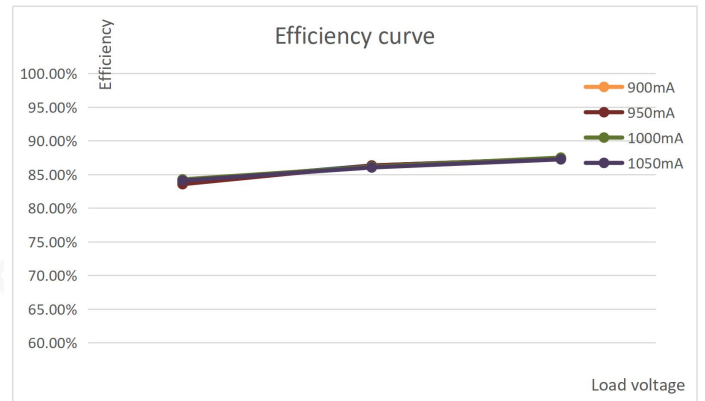
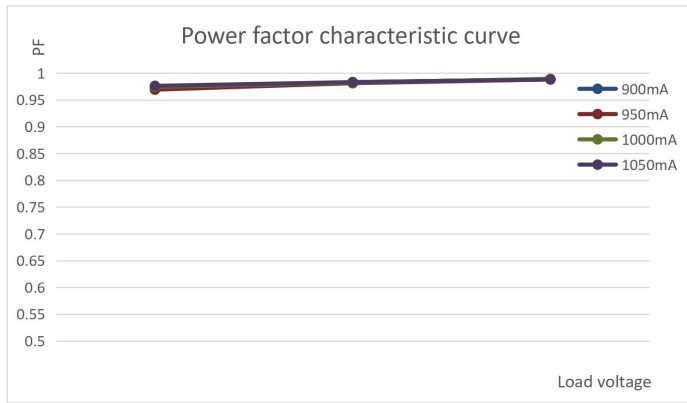
### ● Dimension (Unit: mm)



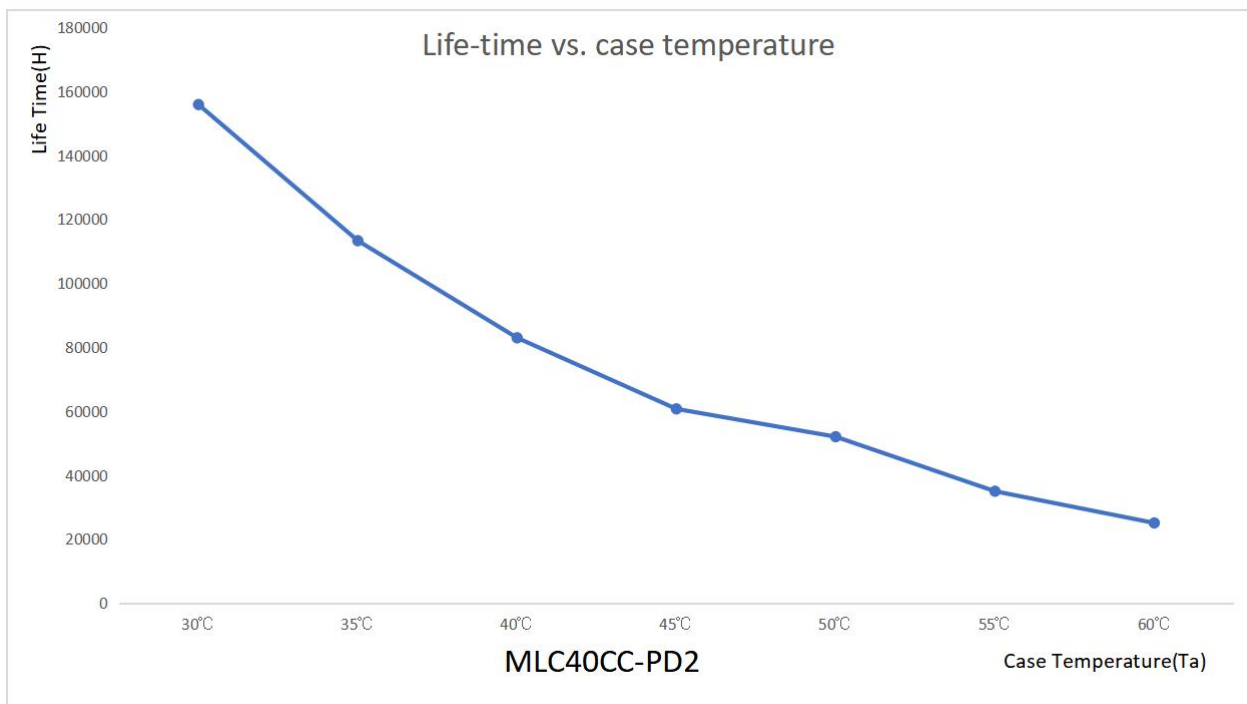
MLC40CC-PD2

## 【Parameter Curve】

### MLC40CC-PD2



### Life Time Curve



## 【Output Current Setting】

### ● MLC28CC-PD

Output current	Voltage range	S1	S2
1050mA	20-38V	ON	ON
1000mA	20-40V	ON	-
950mA	20-42V	-	ON
900mA	20-42V	-	-

## 【Initialization】

After power-on, it is half bright, and after self-test, it enters the 0-10V port voltage setting brightness (suspended for full bright).

## 【Default Setting】

Adjust the corresponding current gear according to the order or customer demand.

## 【Application Notice】

- Please use this product in accordance with the specifications. Failure may occur if the product is used beyond the use conditions.
- The product should be installed by a professional electrician. Please turn off the power before installing, wiring, changing the setting of the DIP switches.
- The load LED string must be connected first, and then turn on the input power, otherwise it may damage the LED string.
- After the LED drive input is powered off, there will be residual voltage at the output end, which can be maintained for about 3 minutes.