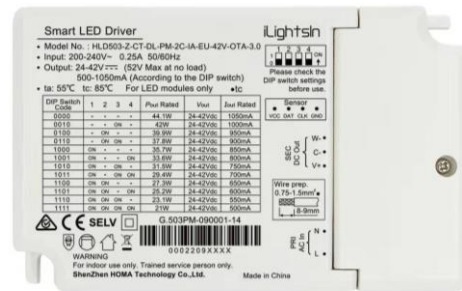


# Zigbee 3.0 lighting control

Driver

ZigBee 3.0

40W CCT/ dimming



ZigBee 3.0 standard dimming driver for single color dimmable or CCT tunable lights. With OTA function, this ZigBee driver is mainly applied in office, commercial lighting projects for smart control purposes.

It is compatible with Zigbee 3.0 gateways.

## Terminal Definition

AC In	L	Input AC200 – 240V L
	N	Input AC200 – 240V N
LED Out	V+	DC Output LED+
	V-/C-	DC Output LED-/DC Output Cool LED-
	W-	DC Output Warm LED-
Sensor in	/	Sensor input: (UART/IIC) UART: VCC, TX, RX, GND – For original version sensor IIC: VCC, SCL, DATA, GND – For new version IIC interface daylight sensor

## Parameter

Input Voltage	200-240V ac 50/60Hz
Output Voltage	24-42V DC (46VDC MAX at No Load)
Output Current	1050mA MAX $\pm$ 5%
Max Output of Power	44W
Channel	1 channel (SC version), 2 channels (CCT version)
Control range	30m
PF	> 0.9 (MAX Load)
Efficiency	85% max
Frequency	2.4GHz
Operating Temperature	-20° C to 55° C, (ta:55° C, tc:85° C)
Standby Power	< 0.8W (ZigBee 3.0 Protocol Version with Power Metering) < 0.5W (ZigBee 3.0 Protocol Version without Power Metering)
N.W.	SC 194g/ CT 213g (No external Antenna), external antenna+ 8g
G.W.	SC 217g/ CT 226g (No external Antenna), external antenna+ 8g
Size	118x 74x 32mm
Package Size	120x 78x 38mm
Package	1PCS/ Package
Housing Material	ABS

## Switch Definition

The maximum current output value can be set through the DIP switch, the setting table is as follows:

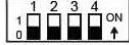
NO.	Switch Code	Current	Voltage	Power
1	0000	1050mA	24-42V	44.1W
2	0010	1000mA	24-42V	42W
3	0100	950mA	24-42V	39.9W
4	0110	900mA	24-42V	37.8W
5	1000	850mA	24-42V	35.7W
6	1001	800mA	24-42V	33.6W
7	1010	750mA	24-42V	31.5W
8	1011	700mA	24-42V	29.4W
9	1100	650mA	24-42V	27.3W
10	1101	600mA	24-42V	25.2W
11	1110	550mA	24-42V	23.1W
12	1111	500mA	24-42V	21W

**Smart LED Driver** iLightslin

- Model No. : HLD503-Z-SC-BS-PM-1C-IA-EU-42V-OTA-3.0
- Input: 200-240V~ 0.25A 50/60Hz
- Output: 24-42V--- (52V Max at no load)  
500-1050mA (According to the DIP switch)
- ta: 55°C tc: 85°C For LED modules only •tc

DIP Switch Code	1	2	3	4	Pout Rated	Vout	Iout Rated
0000	-	-	-	-	44.1W	24-42Vdc	1050mA
0010	-	-	ON	-	42W	24-42Vdc	1000mA
0100	-	ON	-	-	39.9W	24-42Vdc	950mA
0110	-	ON	ON	-	37.8W	24-42Vdc	900mA
1000	ON	-	-	-	35.7W	24-42Vdc	850mA
1001	ON	-	-	ON	33.6W	24-42Vdc	800mA
1010	ON	-	ON	-	31.5W	24-42Vdc	750mA
1011	ON	-	ON	ON	29.4W	24-42Vdc	700mA
1100	ON	ON	-	-	27.3W	24-42Vdc	650mA
1101	ON	ON	-	ON	25.2W	24-42Vdc	600mA
1110	ON	ON	ON	-	23.1W	24-42Vdc	550mA
1111	ON	ON	ON	ON	21W	24-42Vdc	500mA

Please check the DIP switch settings before use.




SEC  
DC Out { V-  
V+ }

Wire prep.  
0.75-1.5mm<sup>2</sup>  
↓  
8-9mm

PRI  
AC In { N  
L }

G.503PM-090001-16

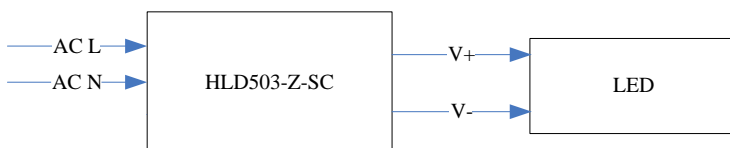


0002210XXXX

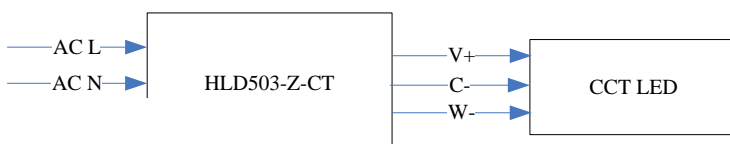
**WARNING**  
For indoor use only. Trained service person only.  
ShenZhen HOMA Technology Co.,Ltd. Made in China

## Wiring Diagram

### SC Version



### CCT Version



## Initial States Setting

1. Hard reset: power off the device and wait for > 3 secs, power on and wait for < 3 secs, power off power on, power off power on, 4 times in total.
2. If reset is successful, the light blinks 4 times and then stay ON. All data of the device is cleaned up.

## Software Operation

For more operations, please refer to the operating instructions of the gateway used together.

## Dimension

Product

