



5CCT+2 Power

2 in 1 trailing edge dimmable

2000K and 5 CCT+2 Power dimmable

Dual light sources switchover control



5CCT+2 POWER

2 in 1 trailing edge dimmable

A03-0007(D28)

POWER:6W/8W

CCT:2700K/3000K/4000K/5000K/6000K

Dual light sources switchover control

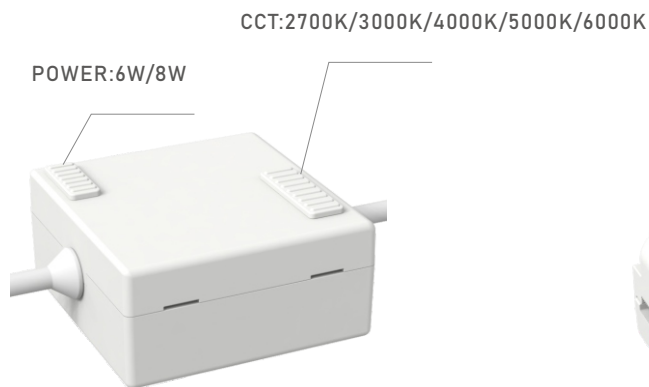
Dimming and 5 CCT+2 POWER

A03-0007(D29)

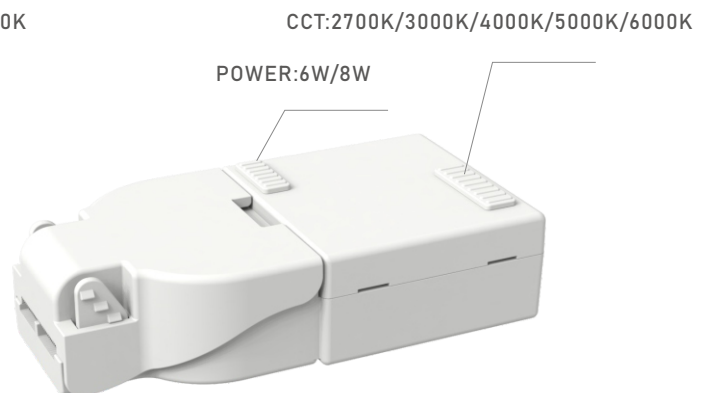
POWER:6W/8W

CCT:2000K

CCT:2700K/3000K/4000K/5000K/6000K



Without junction box



With junction box internal

Features

Triac Dimmable

Min. output power 6W

Max. output power 8W

Input voltage range 200~240 V AC (180~264 V AC)

Typical efficiency of 82 %

Free convection cooling (no forced cooling with ventilators)

Ambient temperature range during operation -25...+55 °C

Insulated plastic case, Ip20

Protection: open circuit / short circuit / overload

Technical data

Data at $T_a = 25\text{ }^{\circ}\text{C}$, $U_{IN} = 230\text{ V AC}$ and rated values, if nothing else indicated

Input circuit:

Rated input voltage U_{IN}

Input voltage range

Frequency range AC

Typical input current

Typical power consumption

Power failure buffering

Output circuit

Rated output power

Max. output power

Output voltage range

Rated output current

Tolerance of the output current

Rated output Voltage V_r

Derating of the output voltage

Max. deviation with

Starting time after applying the supply voltage

Power factor correction (PFC)

L, N

200-240 V AC

180-265 V AC

50 Hz

at 220 V AC 48mA

9W

at 220 V AC Min.20ms

+, -

6W/8W

9W

28 ~ 42V DC

230mA/280mA

$\pm 10\text{mA}$

$T_a \geq 55\text{ }^{\circ}\text{C}$ 37V

$55\text{ }^{\circ}\text{C} \geq T_a \geq 70\text{ }^{\circ}\text{C}$ 3 %/ $^{\circ}\text{C}$

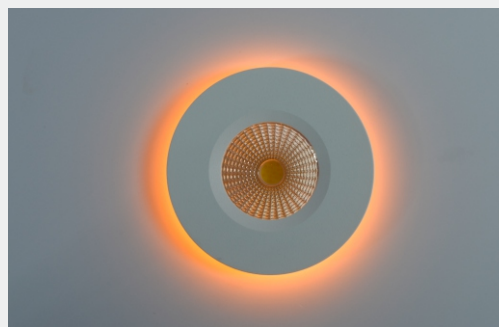
Load change statical $\pm 3\%$

Change of input voltage within $\pm 1\%$

The input voltage range

Max. 1S At 220V

Yes



Output circuit - No-load, overload and short-circuit behaviour

Output curve	Hiccup-mode
Short-circuit protection	Continuous short-circuit proof
Short-circuit behaviour	Hiccup-mode
Overload protection	Output power limitation
No-load protection	Continuous no-load stability

General data

Efficiency	typ. 82 %
Power Factor	>0.90
Duty time	100%
Dimensions (L x W x H)	49*48*23mm 96*45*23 mm
Weight	0.055kg 0.065kg

Environmental data

Ambient temperature range	Operation -25...+70 °C
	Rated load -25...+55 °C
	Storage -25...+85 °C
Damp heat (cyclic)	4 x 24 cycles, 40 °C, 85 % RH
Vibration (sinusoidal) (IEC/EN 60068-2-6)	10 m/s ² , 10...500 Hz
Shock (half-sine) (IEC/EN 60068-2-27)	40 m/s ² , 22 ms, all directions
Isolation data	Input circuit / output circuit
Rated insulation voltage Ui	3.75 kV AC
Pollution degree	2

Electromagnetic compatibility

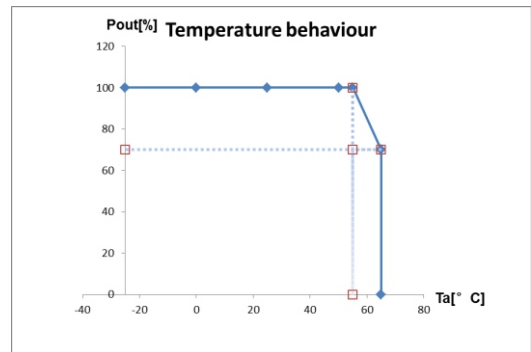
Fast transients (Burst)	Level 4 (4 kV)
Powerful impulses (Surge)	Level 4 (1 kV / 2 kV)
HF line emission	Level 3 (10 V)

Output behaviour

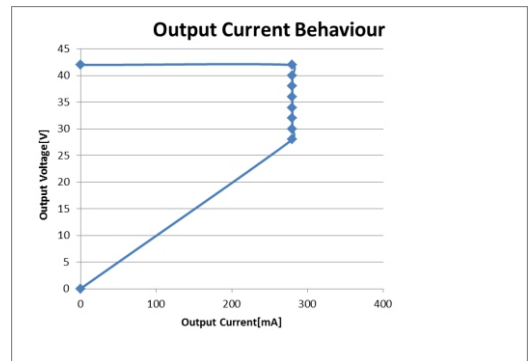
The switch mode LED power supply A03-0007(XXX) is able to supply at 230mA output current and at an ambient temperature of: $\geq 55^{\circ}\text{C}$ a continuous output voltage of approx 42V.

At ambient temperatures of:

$55^{\circ}\text{C} \leq T_a \leq 65^{\circ}\text{C}$ the output power has to be reduced by 3 % per 1°C temperature increase.

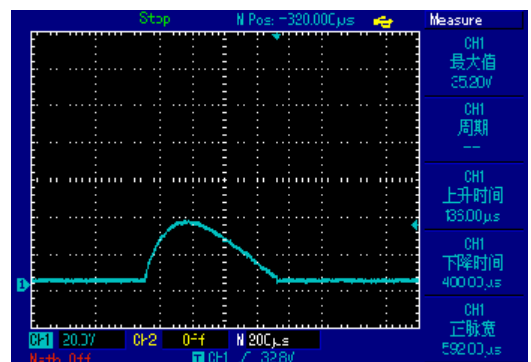


Constant Current Performance:



Input Surge voltage oscillogram:

230Vac/50Hz
 Surge current :3.52A
 Surge voltage:35.2V
 Fusible Resistor: 10Ω
 Surge current limit: 110



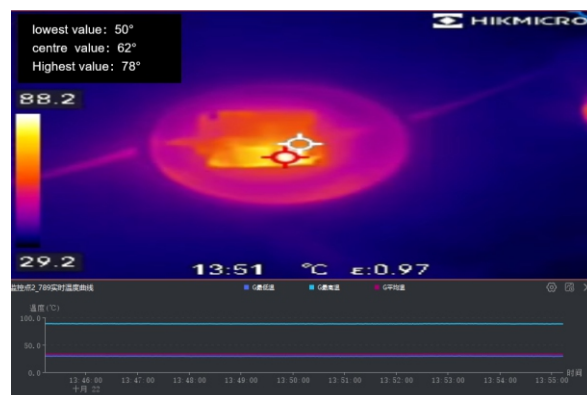
Temperature rise test

Total test duration: 8 hours

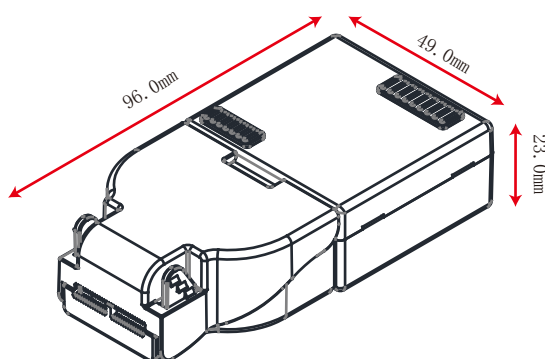
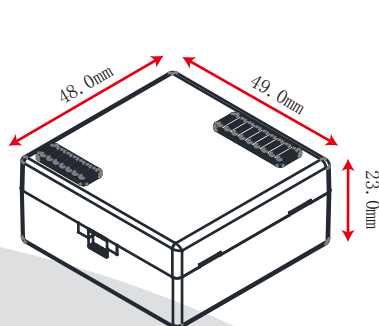
Constant temperature duration: 1 hour

At ambient temperatures of: 29.2 °C

lowest value: 50° centre value: 62° Highest value: 78°



Mechanical Dimensions



Connecting Diagram

