

CC30W350-700



Constant Current Driver

Model:CC30W350-700



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
CC30W350-700	350mA	0.09A	18.9W	9.4-15.7W	0.92	82%	27-45V	55V
	400mA	0.10A	21.6W	10.8-18.0W				
	450mA	0.11A	24.0W	12.1-20.2W	0.95			
	500mA	0.12A	27.3W	13.5-22.5W				
	550mA	0.13A	30.0W	14.8-24.7W		85%		
	600mA	0.14A	31.8W	16.2-27.0W				
	650mA	0.15A	34.0W	17.5-29.2W				
	700mA	0.16A	36.2W	18.9-31.5W				

* Test result @230V, 50Hz, Full Load.

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	170-276VDC
	Frequency	50/60Hz
	Input Current	≤0.20A
	Input Power	≤39W
	Power Factor	≥0.90 (230VAC, full load)
	THD	≤10% (230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	≤21A/180us (230VAC, Full-load)
	Connected quantity of 10A Breaker	19pcs/type A ; 31pcs/type B ; 50pcs/type C
	Connected quantity of 16A Breaker	31pcs/type A; 50pcs/type B ; 80pcs/type C
	Connected quantity of 20A Breaker	39pcs/type A; 63pcs/type B ; 101pcs/type C

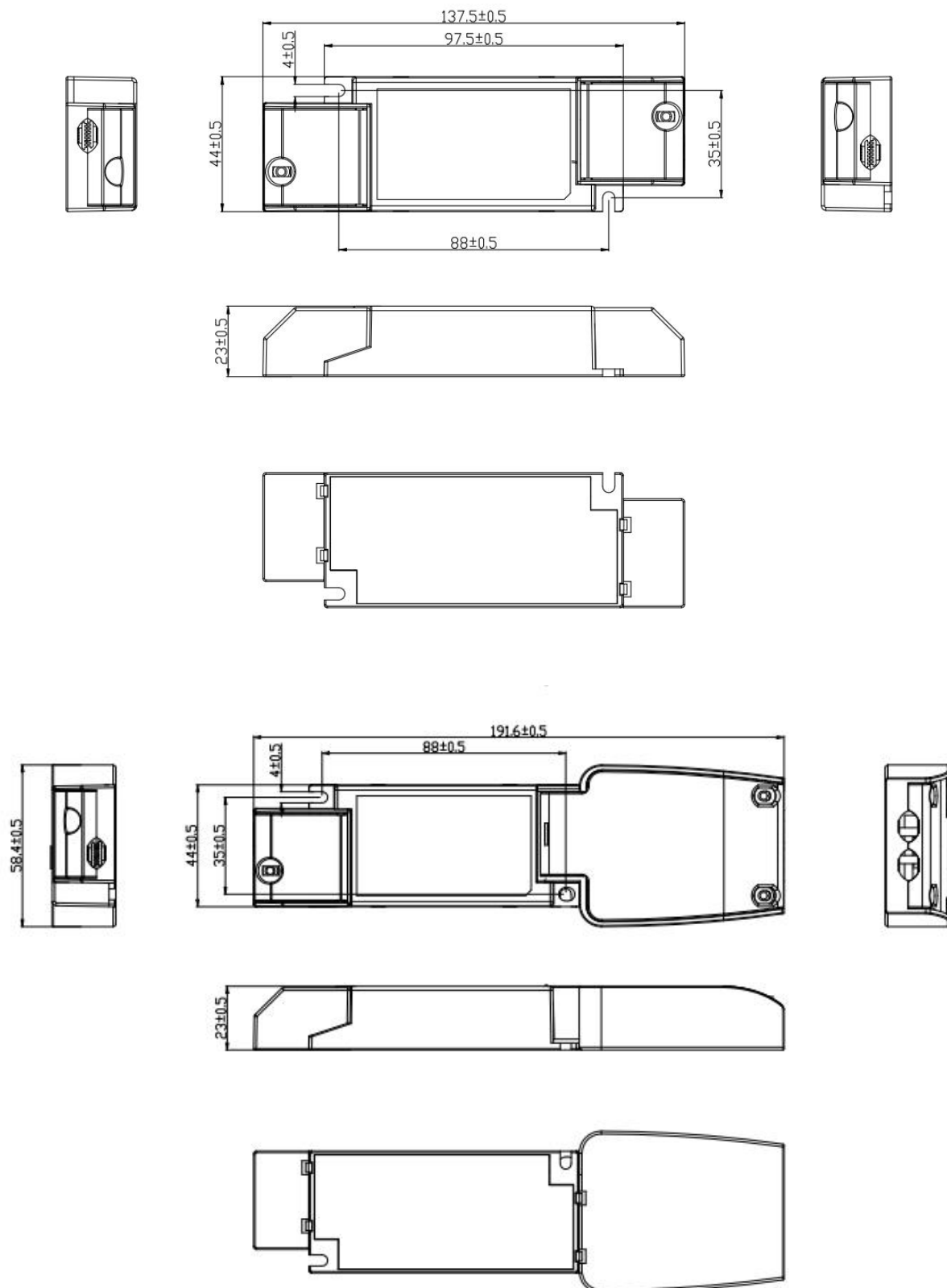
CC30W350-700

Output	Current Accuracy	±5%
	Max. Output Power	30W
	Started Delay Time	≤0.5S (230VAC, full load)
	Current Ripple	±3% (Imax-Imin) / (Imax+Imin)
	PSTLM	≤1
	SVM	≤0.4
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Insulation voltage	I/P to O/P, 3KVac/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250μA
Environment	Ta/Operation Temperature	8-30W: -20...+45℃;
	Ts/Storage Temperature	-40....+85℃
	Tc/Enclosure Temperature	80 ℃
	Humidity	10%.... 90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Build-in & Independent
	PRI Wire preparation	PVC, VDE certificated, 0.5- 1.5mm ² , with 8mm tin
	SEC Wire preparation	PVC, VDE certificated, 0.5- 1.5mm ² , with 8mm tin
	Dimension	Independent:137.5*44*23mm (L*W*H) Built in:97.5*44*23mm(L*W*H)
Standards	Certification	CE/ENEC
	Safety Standards	EN61347-1,EN61347-2-13
	EMC Standards	EN55015,EN61000-3-2,EN61000-3-3,EN61547
	Performance	EN62384
	Surge	L-N/1.5KV
Others	RoHS	Complied to 2011/65/EU
	Life Time	5000h Tc=95℃
		50000h Tc=85℃
		75000h Tc=80℃
		100000h Tc=75℃
	Warranty	5years, F.R. <10%

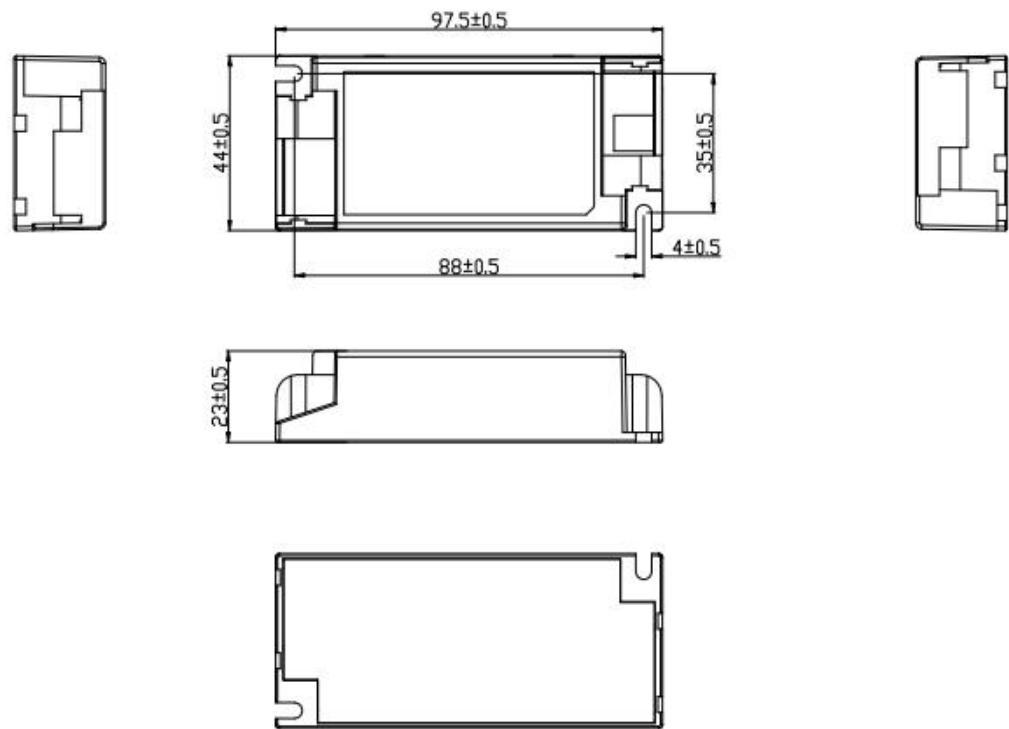
Remark:

- 1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ ambient temperature.
- 2.LED Driver is a component of the luminaires. Luminaires and wire layout will affect the EMC, please check the EMC with end products again.
3. Please make sure Tc under Lifetime condition when long term operate under DC input.
4. Light output level in DC operation: (factory default = 100 %, EOFi = 1).

2. Dimension



Built in type:



3. Label

KGP

KGP Electronics GmbH
Hueckstraße 19
DE-58511 Lüdenscheid

CC30W350-700

Constant Current LED Power Supply

PIN1	PIN2	PIN3	I _{rated} [mA]	P _{rated} [W]	U _{rated} [V]	U _N /f _N	I _N [A]	t _a [°C]	t _c [°C]	λ	
OFF	OFF	OFF	350	15.7	27-45	220-240V 50/60Hz	0.09	-20...+45	tc	80	0.92
ON	OFF	OFF	400	18.0			0.10				
OFF	ON	OFF	450	20.2			0.11				
ON	ON	OFF	500	22.5			0.12				
OFF	OFF	ON	550	24.7			0.13				
ON	OFF	ON	600	27.0			0.14				
OFF	ON	ON	650	29.2			0.15				
ON	ON	ON	700	31.5			0.16				

PRI ~

● L

● N

OFF → ON

1	■
2	■
3	■

EN 05

CE

EAC

EL

M

M

House

Circle

U

Wirepreparation

8mm wire 0.5-1.5

Made in China

SEC =

U_{out} = 55V

LED Only

SELV

4. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
398*230*150	100	0.084	8.4	9.6

Small side cover

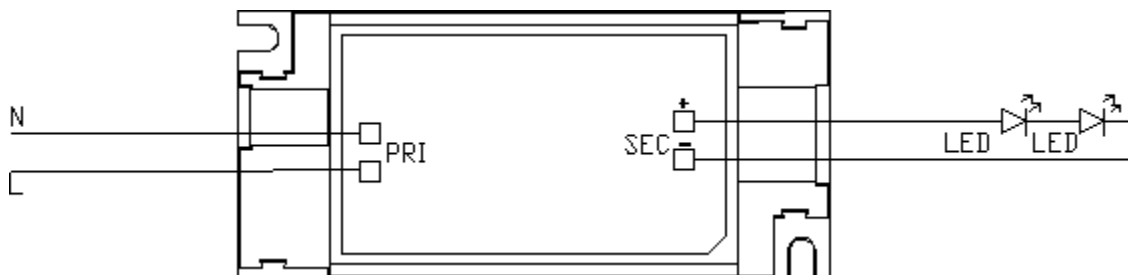
Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
370*365*295	1000	0.0087	8.7	10

Large side cover

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
375*305*295	200	0.041	8.2	9.4

5. Wiring Diagram

Built in type:



6. Revision history

Date	Version	Remark
2023-06-27	V1.0	Initial release.
2023-08-18	V2.0	Font & format adjustment
2023-08-22	V3.0	Adjust quantity of 10A/16A/20A breaker