



Constant Current Driver

Model : CC15WXXXCGA2
 CC18WXXXCGA2
 CC21WXXXCGA2



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage			
CC15W300CGA2	300mA	0.11A	19W	9.9-15W	0.92	86%	33-50V	65V			
CC15W350CGA2	350mA		18W	9.45-14.7W			27-42V	55V			
CC18W300CGA2	300mA		22W	13.5-18W			45-60V	75V			
CC18W350CGA2	350mA		22W	12.6-18W			36-52V	65V			
CC18W450CGA2	450mA		22W	13.5-18W			30-40V	55V			
CC18W600CGA2	600mA		22W	11.4-18W			19-30V	45V			
CC18W700CGA2	700mA		22W	11.9-18W			17-26V	40V			
CC21W300CGA2	300mA	0.13A	25W	15-20.4W			50-68V	85V			
CC21W350CGA2	350mA		25W	16.1-21W			45-60V	75V			
CC21W500CGA2	500mA		25W	13.5-21W			27-42V	55V			
CC21W550CGA2	550mA		25W	13.2-20.9W			24-38V	55V			
CC21W600CGA2	600mA		25W	15-21W			25-35V	50V			
CC21W700CGA2	700mA		25W	15.4-21W						22-30V	45V

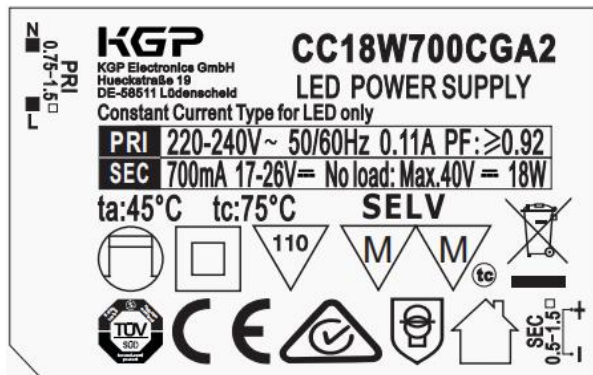
***Test result @230 V, 50 Hz, Full Load**

1. Parameters

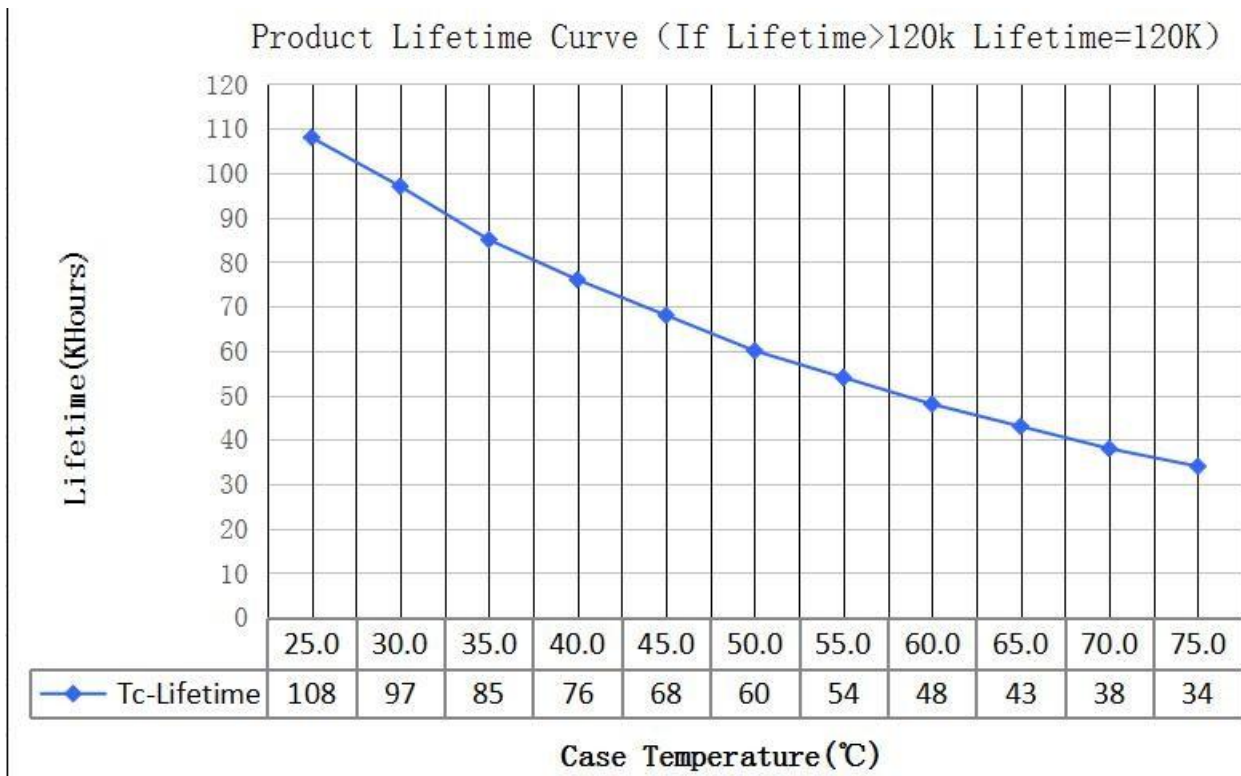
category	Item	Technical Norm
Features	Output Type	Constant Current
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Frequency	50/60Hz
	Input Current	≤ 0.13A (198VAC, full load)
	Input Power	≤ 27W (230VAC, full load)
	Power Factor	≥ 0.92 (230VAC, full load)
	THD	≤ 15% (230VAC, full load)
	No-load Power Consumption	≤ 0.5W @230VAC
	Inrush Current	15W: ≤ 19.2A/460us

		18W: ≤24.6A/220us 21W: ≤30A/560us (230VAC, Full-load)
	Connected quantity of 16A Breaker	15W: 12pcs/type B ;19pcs/type C @ 230Vac
		18W: 9pcs/type B ;14pcs/type C @ 230Vac 21W: 8pcs/type B ;12pcs/type C @ 230Vac
Output	Current Accuracy	±5%
	Max. Output Power	21W
	Started Delay Time	≤0.5S (230VAC, full load)
	Current Ripple (< 120 Hz)	±5% (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	-20....+45°C
	Ts/Storage Temperature	-20....+75°C
	Tc/Enclosure Temperature	75°C
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Independent
	PRI Wire preparation	0.75-1.5□
	SEC Wire preparation	0.5-1.5□
	Dimension	96X36X23mm (L*W*H)
Standards	Certification	TUV.SAA.CE
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017 ,EN62493:2015, AS/NZS IEC61347.2.13:2013, AS/NZS 61347.1:2016
	EMC Standards	EN55015:2013/A1:2015,EN61000-3-2:2014,EN61000-3-3:2013,EN61547:2009
	Performance	EN62384
	Surge	L-N/0.5KV
Others	RoHS	complied to 2011/65/EU
	Life Time	30000h @45°C (Ta) / 75°C (Tc)
	Warranty	5years , F.R. < 10000ppm
Remark 1. All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C 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.		

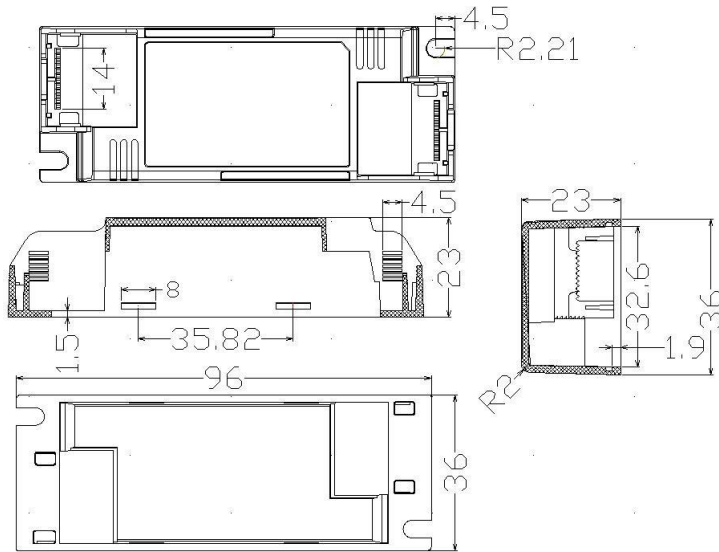
2. Label (For example)



3. Lifetime curve



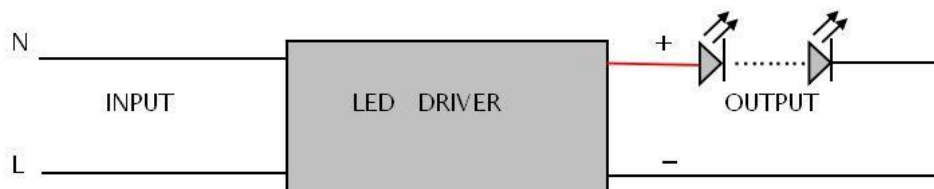
4. Dimension (Unit: mm)



5. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
450*240*200	175	0.06	10.5	11.25

6. Wiring Diagram



7. Wiring instructions

- All connections must be kept as short as possible to ensure good EMI behaviour
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)
- Advice the maximum length of output wires is 3 m
- Secondary switching is not permitted (Except for constant voltage)
- Incorrect wiring can damage LED modules.
- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc)