KGP

CCXXWXXXCGA3

Constant Current Driver

Model:CCXXWXXXCGA3

Model	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Current	Output Voltage	No load Voltage
CC24W300CGA3	0.15A	29W	18-24W	0.92	88%	300mA	60-80V	95V
CC24W350CGA3		29W	17.5-24.15W			350mA	50-69V	85V
CC24W500CGA3		29W	16.5-23.5W			500mA	33-47V	60V
CC24W550CGA3		29W	16.5-24.2W			550mA	30-44V	60V
CC24W600CGA3		29W	18-24W			600mA	30-40V	55V
CC24W700CGA3		29W	17.5-23.8W			700mA	25-34V	50V
CC28W350CGA3	0.19A	33W	21-28W			350mA	60-80V	95V
CC28W500CGA3		33W	22.5-28W			500mA	45-56V	70V
CC28W550CGA3		33W	17.6-28W			550mA	32-51V	65V
CC28W600CGA3		33W	18-27.6W			600mA	30-46V	60V
CC28W700CGA3		36W	21-28W			700mA	30-40V	55V
CC30W600CGA3		36W	21.6-30W	0.95	89%	600mA	36-50V	65V
CC30W700CGA3		36W	21-30.8W			700mA	30-44V	60V
CC30W750CGA3		35W	20.2-30W			750mA	27-40V	55V
CC30W900CGA3		36W	25.2-30.6W			900mA	28-34V	50V
CC36W700CGA3	0.22A	42W	25.2-35.7W		89%	700mA	36-51V	65V
CC36W800CGA3		42W	24-36W			800mA	30-45V	60V
CC36W850CGA3		42W	25.5-35.7W			850mA	30-42V	55V
CC36W900CGA3		42W	24-36W			900mA	30-40V	55V
CC42W700CGA3	0.28A	47W	31.5-39.9W		89%	700mA	45-57V	70V
CC42W900CGA3		48W	29.7-41.4W			900mA	33-46V	60V
CC42W950CGA3		48W	28.5-41.8W			950mA	30-44V	60V
CC42W1000CGA3		49W	30-42W			1000mA	30-42V	55V
CC42W1050CGA3		49W	31.5-42W			1050mA	30-40V	55V

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

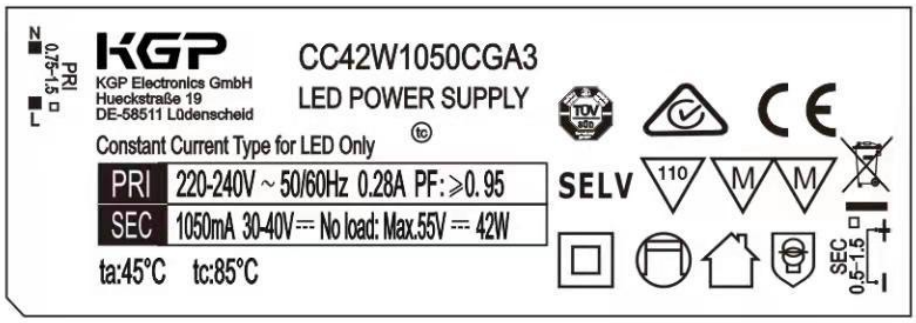
KGP Electronics GmbH
Hueckstraße 19
DE-58511 Lüdenscheid

1. Parameters

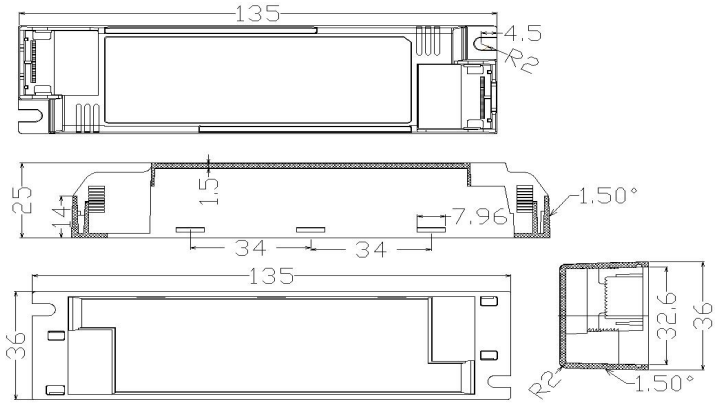
category	Item	Technical Norm
Features	Output Type	Constant Current
	IP Grade	IP20
	Insulation Class	Class Ⅱ
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	180-264VAC
	Frequency	50/60Hz
	Input Current	≤0.28A (198VAC，full load)
	Input Power	≤50W (230VAC，full load)
	Power Factor	≥0.92 (230VAC，full load)
	THD	≤15% (230VAC，full load)
	No-load Power Consumption	≤0.5W
	Stand-by power	≤0.5W @230VAC
	Inrush Current	24W：≤28.9A/380us 28W：≤37.2A/380us 30W：≤31.8A/340us 36W：≤26.4A/420us 42W：≤35.2A/460us(230VAC, Full-load)
	Connected quantity of 16A Breaker	24W：16pcs/type B;27pcs/type C @ 230Vac 28W：12pcs/type B;21pcs/type C @ 230Vac 30W：15pcs/type B;25pcs/type C @ 230Vac 36W：18pcs/type B;30pcs/type C @ 230Vac 42W：13pcs/type B;22pcs/type C @ 230Vac
Output	Current Accuracy	±5%
	Max. Output Power	42W
	Current Ripple(< 120 Hz)	±5% (Imax-Imin)/(Imax+Imin)
	PstLM	≤1
	SVM	≤0.4
	Started Delay Time	≤0.5S (230VAC，full load)
	Efficiency	≥88% (198VAC，full load)
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 < 250 μA
Environment	Ta/Operation Temperature	-20….+45℃
	Ts/Storage Temperature	-20….+85℃
	Tc/Enclosure Temperature	85℃
	Humidity	10%....90%RH
	Atmospheric pressure	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	35X36X25mm (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 Inc A1
	EMC Standards	EN IEC 55015:2019,EN IEC 55015:2019/A11:2019, EN IEC 61000-3-2:2019, EN 61000-3-3:2013/A1:2019, EN61547:2009
	Performance	EN62384
	Surge	L-N/1KV
Others	RoHS	complied to 2011/65/EU
	Life Time	30000h @45℃ (Ta) / 85℃ (Tc)
	Warranty	5years，F.R.<10000ppm
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.		

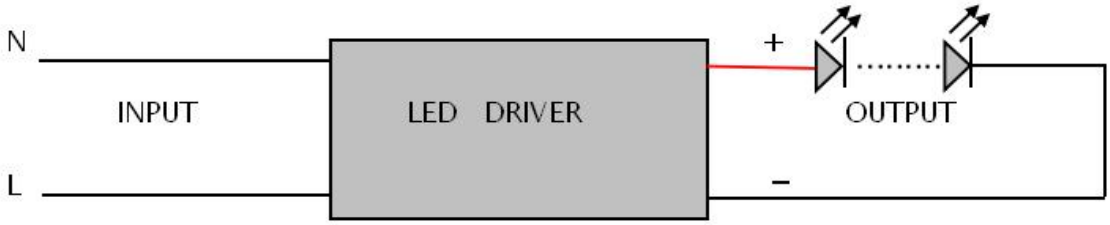
2. Label



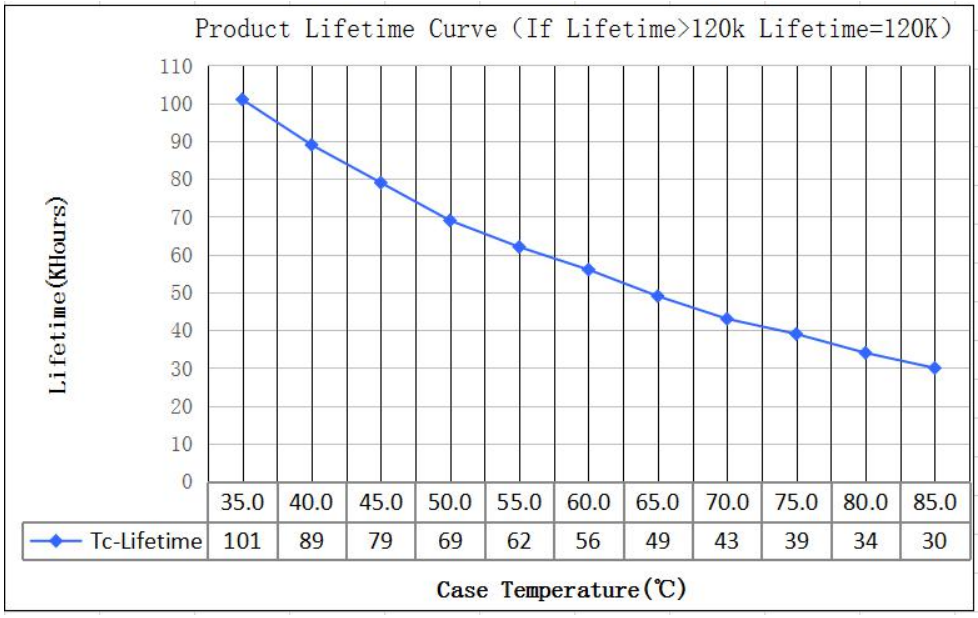
3. Dimension



4. Wiring Diagram



5. Lifetime curve



6. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
450*240*200	120	0.095	11.4	12.15

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.)