

Constant Current Driver

Model: CCxxWxxxCGA27



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
CC9W200CGA27	200mA	0.16A	11.5W	5.8-9W	0.82	80%	29-45V	60V
CC9W300CGA27	300mA	0.16A	11.5W	5.4-9W	0.82	80%	18-30V	45V
CC9W350CGA27	350mA	0.16A	11.5W	5.25-8.75W	0.82	80%	15-25V	40V
CC10W250CGA27	250mA	0.16A	17.5W	7.5-10W	0.82	80%	30-40V	55V
CC11W600CGA27	600mA	0.16A	17.5W	7.2-10.8W	0.82	78%	12-18V	35V
CC12W300CGA27	300mA	0.16A	17.5W	7.5-12W	0.82	80%	25-40V	55V
CC12W500CGA27	500mA	0.16A	17.5W	6-12W	0.82	78%	12-24V	40V
CC12W700CGA27	700mA	0.16A	17.5W	6.3-12.6W	0.82	78%	9-18V	30V

* 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	180-264VAC or 230-280VDC
	Frequency	50/60Hz
	Input Current	≤0.16A
	Input Power	≤17.5W
	Power Factor	≥0.82 (230VAC, full load)
	THD	≤70% (230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC
Inrush Current	9W : ≤13A/200us	
	11-12W : ≤18A/160us	

	Connected quantity of 16A Breaker	9W : 45pcs/type B ;73pcs/type C 11-12W: 33pcs/type B ;53pcs/type C
Output	Current Accuracy	±5%
	Max. Output Power	12.6W
	Started Delay Time	≤0.5S (230VAC, full load)
	LF 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℃
	Ts/Storage Temperature	-40....+85℃
	Tc/Enclosure Temperature	75 ℃
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Screw Terminal
	Installation	Independent
	PRI Wire preparation	0.5-0.75 [□]
	SEC Wire preparation	0.5-1.5 [□]
	Dimension	80X22X21mm (L*W*H)
Standards	Certification	TUV、SAA、CE
	Safety Standards	EN61347-2-13:2014/A1:2017 EN62384:2006/A1:2009 EN 61347-1:2015/A1:2021,AS61347.2.13:2018, AS/NZS61347.1:2016 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, EN IEC 55015:2019/A11:2020
	Performance	EN62384
	Surge	L-N/1KV
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h Ta / TC
	Warranty	5years , F.R. <10000ppm

Remark

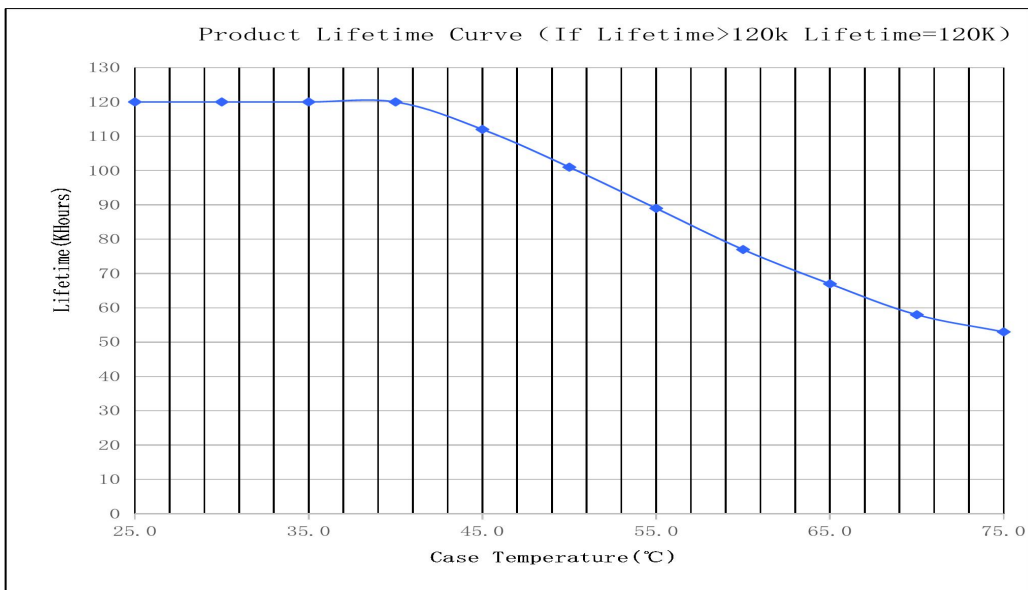
1. All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.
2. LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

2. Label (For example)

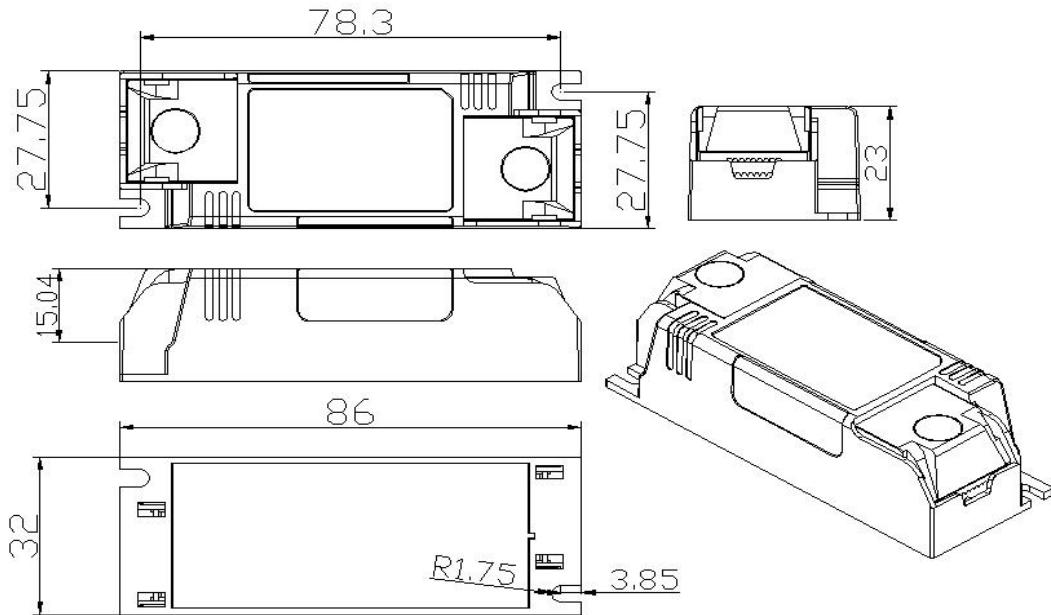


3. Dimming curve(N/A)

4. Lifetime curve



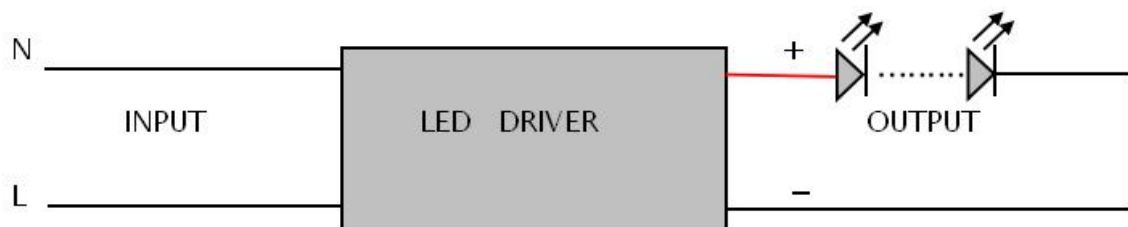
5. Dimension (Unit: mm)



5. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
With white box and manual	450*240*200	125	0.04	6.75
Without white box and manual		210	0.04	8.4

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.)