



Constant Current Driver

Model: CCXXWYYA24



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
CC9W200A24	200mA	0.1A	12W	6-9W	0.8	81%	30-45V	60V
CC9W300A24	300mA	0.1A	12W	6.3-9W	0.8	81%	21-30V	45V
CC9W350A24	350mA	0.1A	12W	6.3-8.75W	0.8	81%	18-25V	35V
CC9W450A24	450mA	0.1A	12W	6.3-9W	0.8	81%	14-20V	35V
CC9W600A24	600mA	0.1A	12W	6-9W	0.8	81%	10-15V	25V
CC12W260A24	260mA	0.12A	15.5W	9.1-12.48W	0.82	83%	35-48V	60V
CC12W300A24	300mA	0.12A	15.5W	9-12W	0.82	83%	30-40V	55V
CC12W350A24	350mA	0.12A	15.5W	9.1-11.9W	0.82	83%	26-34V	50V
CC12W400A24	400mA	0.12A	15.5W	8.8-12W	0.82	83%	22-30V	45V
CC12W500A24	500mA	0.12A	15.5W	9-12W	0.82	83%	18-24V	35V
CC12W550A24	550mA	0.12A	15.5W	8.8-11W	0.82	83%	16-20V	35V
CC12W600A24	600mA	0.12A	15.5W	9-12W	0.82	83%	15-20V	35V
CC12W700A24	700mA	0.12A	15.5W	8.4-10.5W	0.82	81%	12-15V	25V

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

1. Parameters

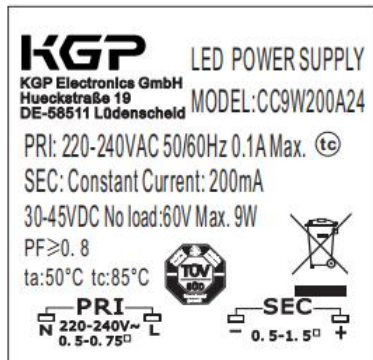
category	Item	Technical Norm
Features	Output Type	Constant Current
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	180-264VAC or 230-280VDC
	Frequency	50/60Hz
	Input Current	≤0.12A
	Input Power	≤15.5W (230VAC, full load)
	Power Factor	≥0.82 (230VAC, full load)
	THD	≤70% (230VAC, full load)

	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	≤13A/200us (9W,230VAC,Full-load) ≤18A/160us (12W , 230VAC, Full-load)
	Connected quantity of 16A Breaker	9W 37pcs/type B ;62pcs/type C @ 230Vac 12W 27pcs/type B ;44pcs/type C @ 230Vac
Output	Current Accuracy	±5%
	Max. Output Power	12.48W
	Started Delay Time	≤0.5S (230VAC, full load)
	Current Ripple(< 120 Hz)	±7% (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....+50℃
	Ts/Storage Temperature	-20....+85℃
	Tc/Enclosure Temperature	85 ℃
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Screw Terminal
	Installation	Build-in
	PRI Wire preparation	0.5-0.75 [□]
	SEC Wire preparation	0.5-1.5 [□]
	Dimension	55X40.5X20.8mm (L*W*H)
Standards	Certification	CE/TUV/SAA
	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

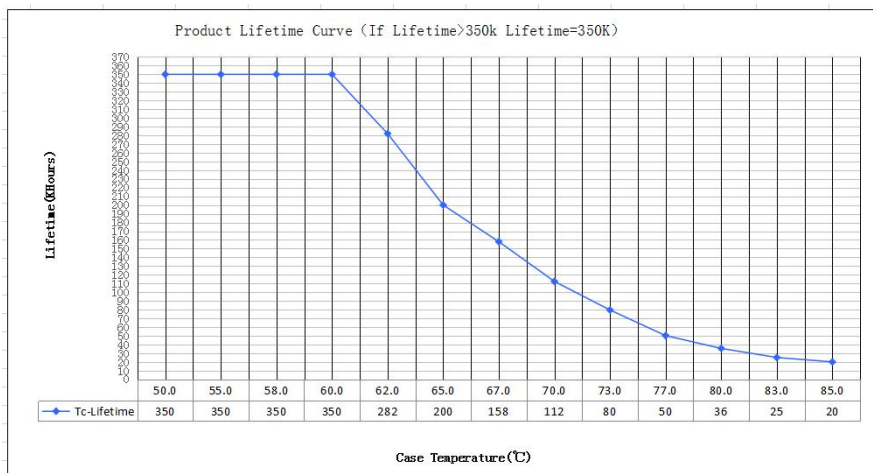
Remark

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.

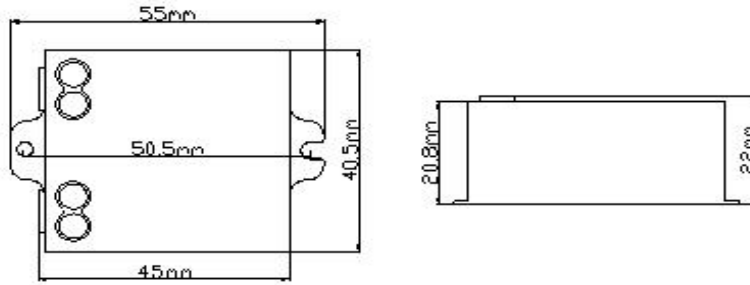
2. Label (For example)



3. Lifetime curve



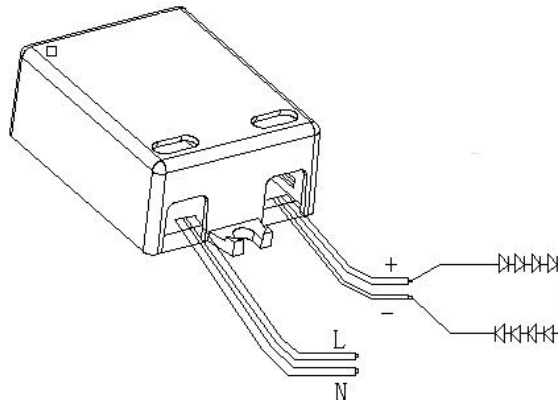
3. Dimension (Unit: mm)



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	360	0.035	12.85	13.6

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.)