



Constant Current Driver

Model: CC10WXXXA9
CC13WXXXA9



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
CC10W250A9	250mA	0.07A	14W	7.5-10.5W	0.9	84%	30-42V	55V
CC10W300A9	300mA	0.07A	13W	6.9-9.9W	0.9	84%	23-33V	45V
CC10W350A9	350mA	0.07A	14W	7.35-10.5W	0.9	84%	21-30V	45V
CC13W300A9	300mA	0.09A	16W	9-12.6W	0.9	84%	30-42V	55V
CC13W350A9	350mA	0.09A	17W	9.45-13.3W	0.9	84%	27-38V	50V
CC13W500A9	500mA	0.09A	16W	8-12.5W	0.9	83.5%	16-25V	40V
CC13W700A9	700mA	0.09A	18W	8.4-14W	0.9	83.5%	12-20V	35V

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

1. Parameters

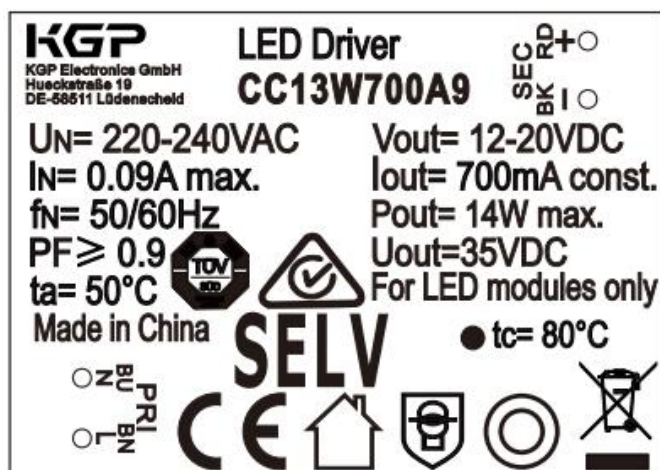
Category	Item	Technical Norm
Features	Output Type	Constant Current
	IP Grade	IP44
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	180-264VAC
	Frequency	50/60Hz
	Input Current	≤0.09A
	Input Power	≤ 18W (230VAC, full load)
	Power Factor	≥0.9(230VAC, full load)
	THD	≤15%(230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	≤13A/350us (230VAC, Full-load)
Output	Current Accuracy	±5% (500MA,700MA) ±6% (250MA, 300MA,350MA)
	Max. Output Power	14W
	Started Delay Time	≤0.5S (230VAC, full load)
	Current Ripple	±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 , 3.75KVac/1min

	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250μA
Environment	Ta/Operation Temperature	-25....+50℃
	Ts/Storage Temperature	-20....+85℃
	Tc/Enclosure Temperature	80℃
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Direct Lead
	Installation	Built-in
	PRI Wire preparation	0.5-1.5□
	SEC Wire preparation	0.5-1.5□
	Dimension	58.2X36X21.5mm (L*W*H)
Standards	Certification	CE/TUV/SAA/CCC/CB
	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	50,000h @ Ta
	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.		

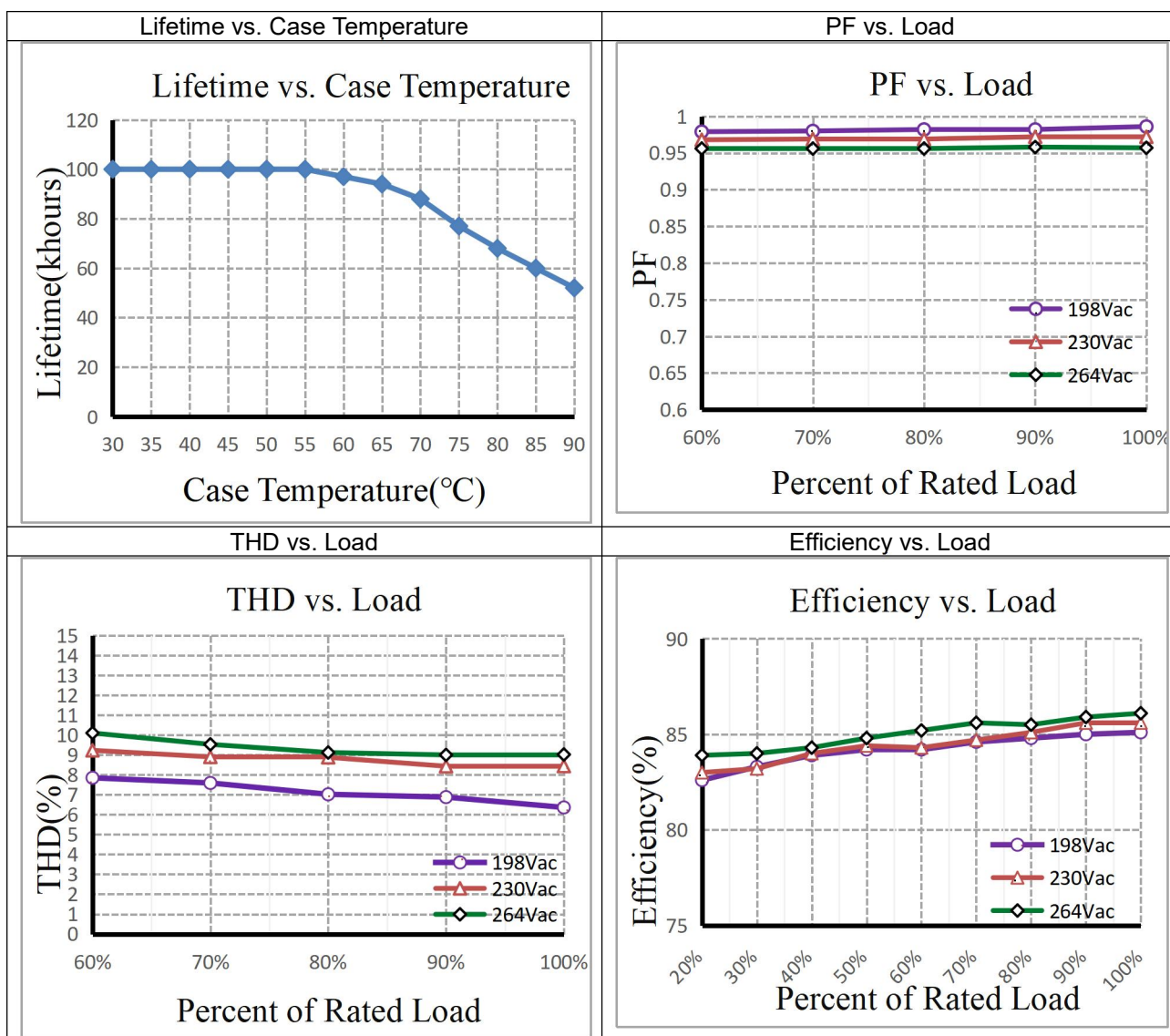
2. Connected quantities of different current Breaker

TYPE	Connected quantities of different current Breaker						Input Voltage	Inrush Current	Time
	current (A)	10	13	16	20	25			
	Installation wire diameter	1.5mm²	2.5mm²	2.5mm²	4mm²	4mm²			
TYPE B		46	60	74	92	115	@230VAC	13	350us
TYPE C		74	96	118	148	185			
TYPE D		118	154	189	236	295			

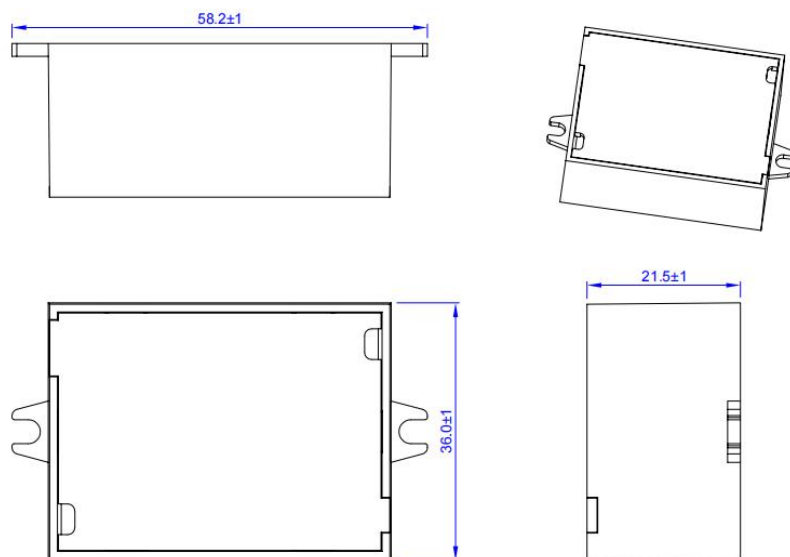
3. Label



4. Electrical values



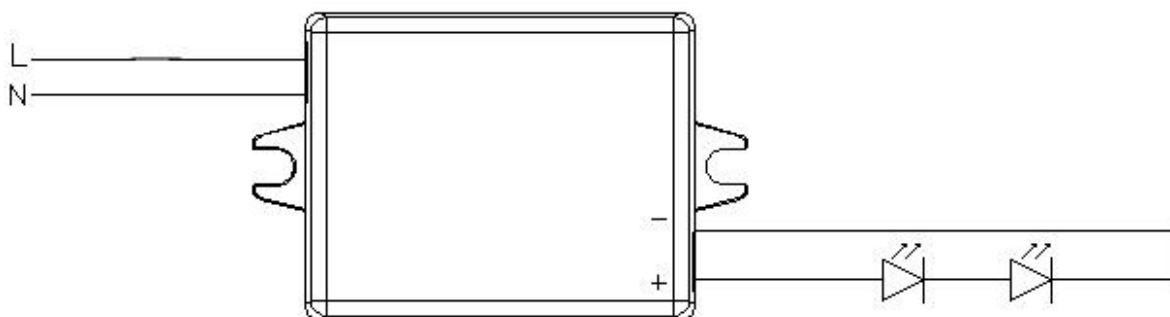
5. Dimension (Unit: mm)



6. Packing information

Packing way	Model	Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight/ Carton(kg)
Without white box and manual	CC13WXXXA9	410*270*160	180	0.058	10.44	10.7
	CC10WXXXA9					

7. Wiring Diagram



8. 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.)

9. REVISION HISTORY

DATE	VER	REMARK
2024-6-19	V1.0	Initial release.