



### Constant Current Driver

Model : CCXXWYYA20



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
CC2W150A20	150mA	≤0.09A	≤3.3W	1.35-2.10W	≥0.5	≥62%	9-14V	≤28V
CC3W150A20	150mA	≤0.09A	≤6.2W	2.25-3.90W	≥0.5	≥63%	15-26V	≤37V
CC3W200A20	200mA	≤0.09A	≤6.1W	2.2-3.80W	≥0.5	≥62%	11-19V	≤35V
CC3W250A20	250mA	≤0.09A	≤5W	1.50-3.00W	≥0.5	≥60%	6-12V	≤28V
CC3W300A20	300mA	≤0.09A	≤6W	1.80-3.60W	≥0.5	≥60%	6-12V	≤28V
CC3W350A20	350mA	≤0.09A	≤6.4W	2.10-3.85W	≥0.5	≥60%	6-11V	≤28V
CC3W500A20	500mA	≤0.09A	≤5W	1.50-3.00W	≥0.5	≥60%	3-6V	≤17V
CC3W550A20	550mA	≤0.09A	≤3.9W	1.10-2.20W	≥0.5	≥56%	2-4V	≤11V
CC3W600A20	600mA	≤0.09A	≤4.3W	1.20-2.40W	≥0.5	≥56%	2-4V	≤11V
CC3W700A20	700mA	≤0.09A	≤5W	1.40-2.80W	≥0.5	≥56%	2-4V	≤11V
CC6W150A20	150mA	≤0.12A	≤8.5W	3.75-6.00W	≥0.5	≥70%	25-40V	≤58V
CC6W180A20	180mA	≤0.12A	≤10.5W	4.50-7.38W	≥0.5	≥70%	25-41V	≤58V
CC6W200A20	200mA	≤0.12A	≤10.2W	4.00-7.20W	≥0.5	≥70%	20-36V	≤55V
CC6W250A20	250mA	≤0.12A	≤8.6W	4.00-6.00W	≥0.5	≥70%	16-24V	≤38V
CC6W300A20	300mA	≤0.12A	≤9W	3.60-6.30W	≥0.5	≥70%	12-21V	≤35V
CC6W350A20	350mA	≤0.12A	≤10.5W	4.20-7.35W	≥0.5	≥70%	12-21V	≤35V
CC6W500A20	500mA	≤0.12A	≤9.28W	3.00-6.50W	≥0.5	≥70%	6-13V	≤28V
CC6W550A20	550mA	≤0.12A	≤10.2W	3.30-7.15W	≥0.5	≥70%	6-13V	≤28V
CC6W600A20	600mA	≤0.12A	≤7.7W	3.00-5.40W	≥0.5	≥70%	5-9V	≤17V
CC6W700A20	700mA	≤0.12A	≤9W	3.50-6.30W	≥0.5	≥70%	5-9V	≤17V

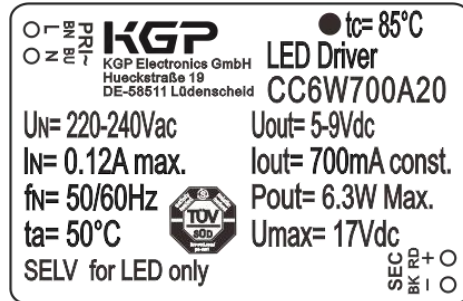
\* Test result @230V, 50Hz, Full Load.

### 1. Parameters

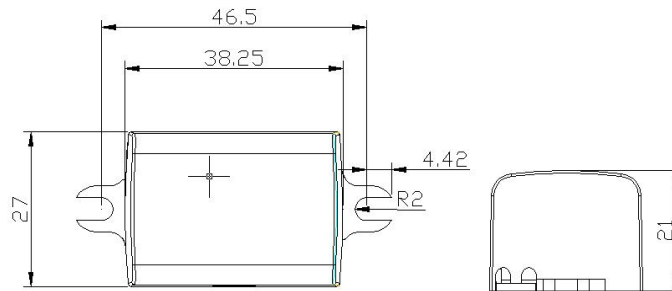
category	Item	Technical Norm
Features	Output Type	Constant Current
	IP Grade	IP44
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	180-264VAC or 230-280VDC
	Frequency	50/60Hz
	Input Current	≤0.12A (198VAC, full load)

	Input Power	≤ 10.5W (230VAC, full load)
	Power Factor	≥0.5 (230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	≤15A/200us (230VAC, Full-load)
	Connected quantity of 16A Breaker	32pcs/type B ; 53pcs/type C @ 230Vac
Output	Current Accuracy	±5%
	Max. Output Power	7.38W
	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	-45....+85℃
	Tc/Enclosure Temperature	85℃
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Direct Lead
	Installation	Build-in
	PRI Wire preparation	0.5-0.75 <sup>□</sup>
	SEC Wire preparation	0.3-0.75 <sup>□</sup>
	Dimension	55X27X21mm (L*W*H)
Standards	Certification	TUV/CE/SAA
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017,EN 62493:2015,AS/NZSIEC61347.2.13:2018,AS/NZS 61347.1:2016 Inc A1
	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	50,000h 3-6W@ Ta/ Tc
	Warranty	5years , F.R. < 1000ppm
<b>Remark</b> 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		

## 2. Label (For example)



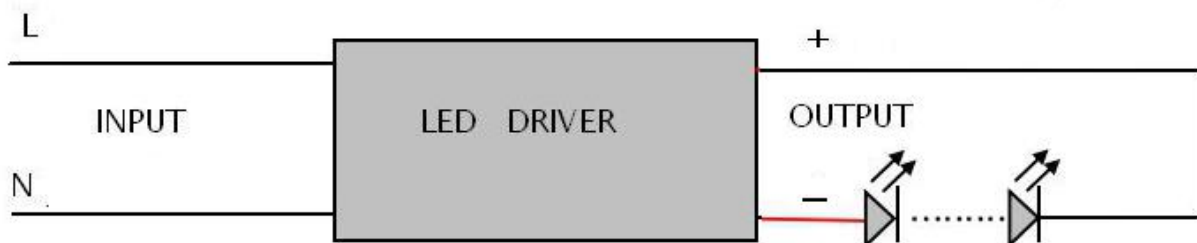
## 3. Dimension (Unit: mm)



## 4. Packing information

Packing way	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	250	0.35	8.87	9.62
Without white box and manual					

## 5. Wiring Diagram



**6. 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.)