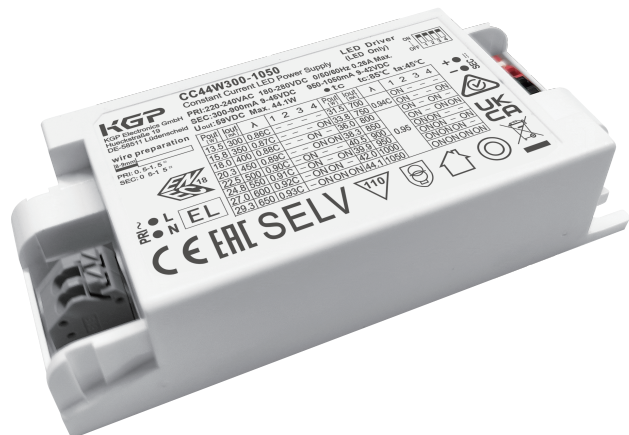


### Constant Current Driver

Model: CC44W300-1050



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency (typ.)*	Output Voltage	No load Voltage
CC44W300-1050	300mA	0.12A	15.73W	2.70-13.50W	0.86	85.8%	9-45V	59V
	350mA	0.13A	18.20W	3.15-15.75W	0.87	86.5%	9-45V	59V
	400mA	0.14A	20.68W	3.60-18.00W	0.88	87.0%	9-45V	59V
	450mA	0.15A	23.14W	4.05-20.25W	0.89	87.5%	9-45V	59V
	500mA	0.16A	25.62W	4.50-22.50W	0.90	87.8%	9-45V	59V
	550mA	0.17A	28.12W	4.95-24.75W	0.91	88.0%	9-45V	59V
	600mA	0.18A	30.68W	5.40-27.00W	0.92	88.0%	9-45V	59V
	650mA	0.19A	33.23W	5.85-29.25W	0.93	88.0%	9-45V	59V
	700mA	0.21A	35.79W	6.30-31.50W	0.94	88.0%	9-45V	59V
	750mA	0.22A	38.35W	6.75-33.75W	0.94	88.0%	9-45V	59V
	800mA	0.22A	40.90W	7.20-36.00W	0.95	88.0%	9-45V	59V
	850mA	0.23A	43.46W	7.65-38.25W	0.95	88.0%	9-45V	59V
	900mA	0.24A	46.02W	8.10-40.50W	0.95	88.0%	9-45V	59V
	950mA	0.24A	45.34W	8.55-39.90W	0.95	88.0%	9-42V	59V
	1000mA	0.25A	47.72W	9.00-42.00W	0.95	88.0%	9-42V	59V
1050mA	0.26A	50.11W	9.45-44.10W	0.95	88.0%	9-42V	59V	


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

## 1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	180-280VDC
	Frequency	0/50/60Hz, Range:0/47-63Hz
	Input Current	≤0.26A (230VAC, full load)
	Input Power	≤50.11W (230VAC, full load)
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤15% (230VAC, full load)
	No Load Power Consumption	≤0.5W (230VAC, full load)
	Inrush Current	≤20A/29us (230VAC, full load)
	Connected quantity of 10A Breaker Connected quantity of 16A Breaker Connected quantity of 20A Breaker	10pcs/type A ; 16pcs/type B ; 25pcs/type C 16pcs/type A; 25pcs/type B ; 40pcs/type C 20pcs/type A; 31pcs/type B ; 50pcs/type C
Output	Output Voltage Range	9-45VDC@300-900mA 9-42VDC@950-1050mA
	No Load Voltage	59VDC Max.
	Output Current	300-1050mA
	Max. Output Power	44.1W
	Efficiency	≥88% 230VAC, full load@max current
	Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)
	Current Accuracy	±5%
	PSTLM	≤1
	SVM	≤0.4
	Starting Time (AC mode)	≤0.5S (230VAC, full load)
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery (not be hot swap)
	No-load Protection	Auto Recovery
	Insulation voltage	3000V 5mA 60S between P-S
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	< 700μA, I/P to O/P @230V input
Environment	Ta/Operation Temperature	-25....+45°C@300-1050mA
	Ts/Storage Temperature	-40....+85°C
	Tc/Enclosure Temperature	85°C
	Humidity	10%....90%RH
	Atmosphere	86-108KPa

Construction	Connection Method	Push-in Terminal
	Installation	Built-in
	PRI Wire preparation	0.5-1.5 <sup>□</sup> / 8-9mm
	SEC Wire preparation	0.5-1.5 <sup>□</sup> / 8-9mm
	Dimension	97.5*44*23mm (L*W*H)
Standards	Certification	CE/ENEC/SAA/UKCA/EAC
	Safety Standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017; EN62384:2006/A1:2009; AS 61347.2.13:2018; AS/NZS61347.1:2016; BS EN61347-1:2015/A1:2021; BS EN61347-2-13:2014/A1:2017; IEC 61347-1:2015+A1:2017; IEC 61347-2-13:2014+A1:2016;
	EMC Standards	AS/NZS CISPR 15:2011; AS CISPR 15:2017; BS EN IEC 55015:2019+A11:2020; EN 61547:2009; BS EN IEC 61000-3-2:2019; BS EN 61000-3-3:2013+A1:2019;
	Performance	EN62384
	Surge	L/N-Ground:2kV; L-N:1kV
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h Tc=85°C
		75000h Tc=80°C
		100000h Tc=75°C
Warranty	5years, F.R. <10000ppm	
<p>Remark:</p> <p>1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.</p> <p>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.</p>		

## 2. Label




**KGP**  
KGP Electronics GmbH  
Hueckstraße 19  
DE-58511 Lüdenscheid

**CC44W300-1050** LED Driver  
Constant Current LED Power Supply (LED Only)











PRI:220-240VAC 180-280VDC 0/50/60Hz 0.26A Max.  
SEC:300-900mA 9-45VDC 950-1050mA 9-42VDC  
Uout:59VDC Max. 44.1W • tc:85°C ta:45°C

ON OFF



wire preparation (8-9mm)

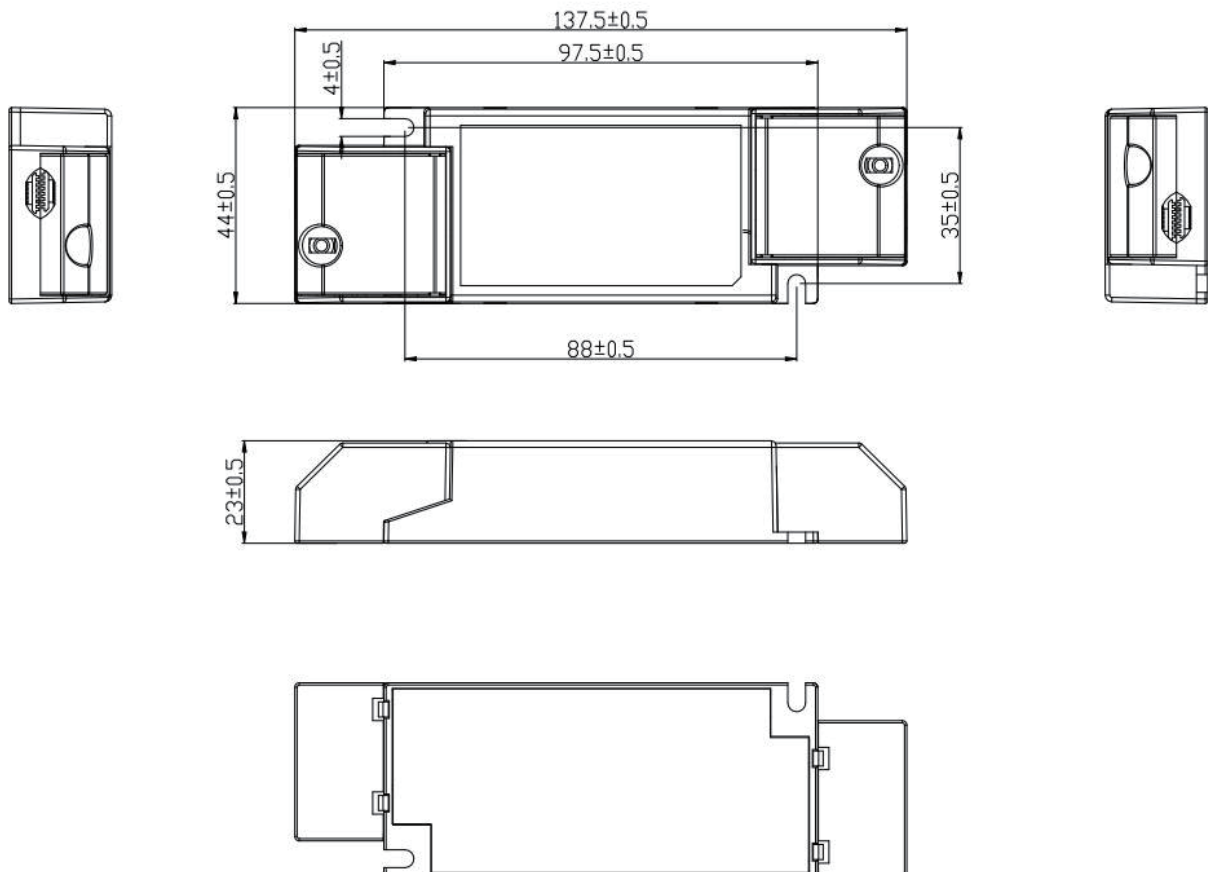
Pout [W]	Iout [mA]	λ	1	2	3	4	Pout [W]	Iout [mA]	λ	1	2	3	4
13.5	300	0.86C	-	-	-	-	31.5	700	0.94C	ON	-	-	-
15.8	350	0.87C	-	-	-	ON	33.8	750	0.94C	ON	-	-	ON
18.0	400	0.88C	-	-	ON	-	36.0	800	0.95	ON	-	ON	-
20.3	450	0.89C	-	-	ON	ON	38.3	850	0.95	ON	-	ON	ON
22.5	500	0.90C	-	ON	-	-	40.5	900	0.95	ON	ON	-	-
24.8	550	0.91C	-	ON	-	ON	39.9	950	0.95	ON	ON	-	ON
27.0	600	0.92C	-	ON	ON	-	42.0	1000	0.95	ON	ON	-	ON
29.3	650	0.93C	-	ON	ON	ON	44.1	1050	0.95	ON	ON	ON	ON

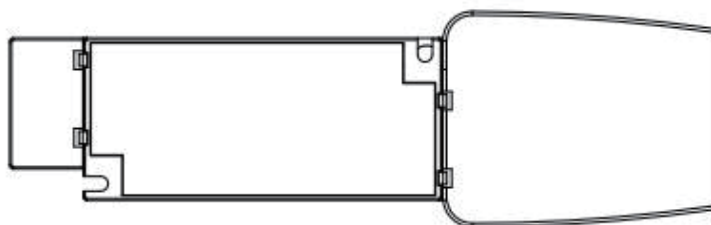
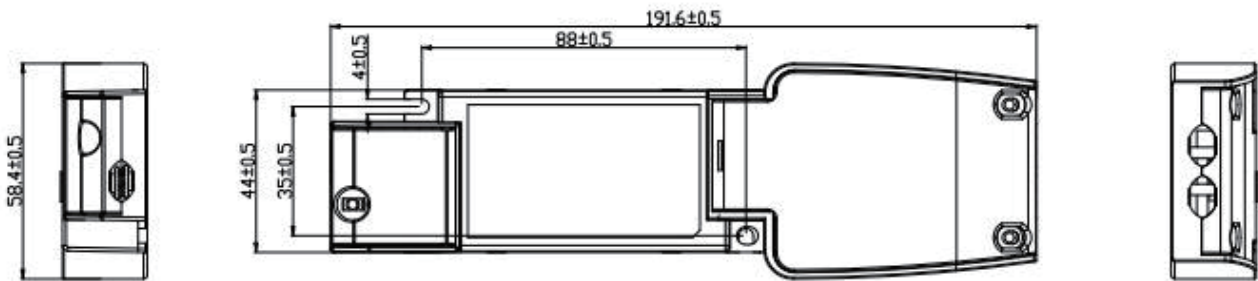
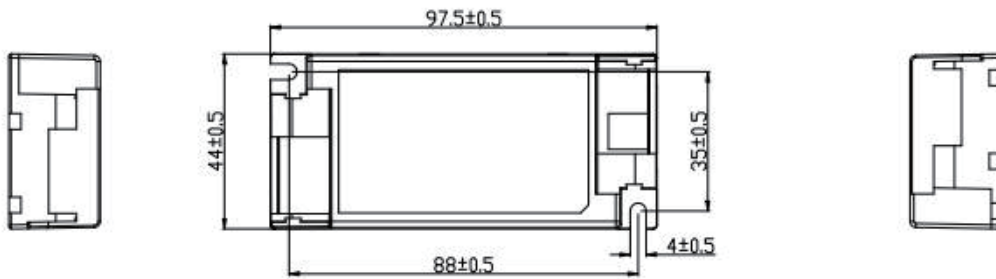











### 3. Output Current Setting

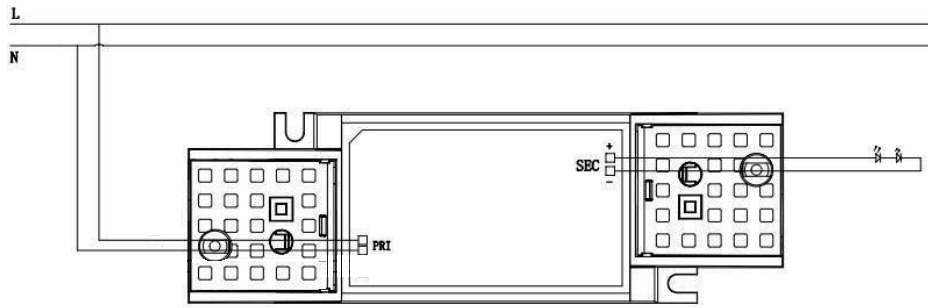
Output Current	1	2	3	4
300mA	-	-	-	-
350mA	-	-	-	ON
400mA	-	-	ON	-
450mA	-	-	ON	ON
500mA	-	ON	-	-
550mA	-	ON	-	ON
600mA	-	ON	ON	-
650mA	-	ON	ON	ON
700mA	ON	-	-	-
750mA	ON	-	-	ON
800mA	ON	-	ON	-
850mA	ON	-	ON	ON
900mA	ON	ON	-	-
950mA	ON	ON	-	ON
1000mA	ON	ON	ON	-
1050mA	ON	ON	ON	ON

### 4. Dimension

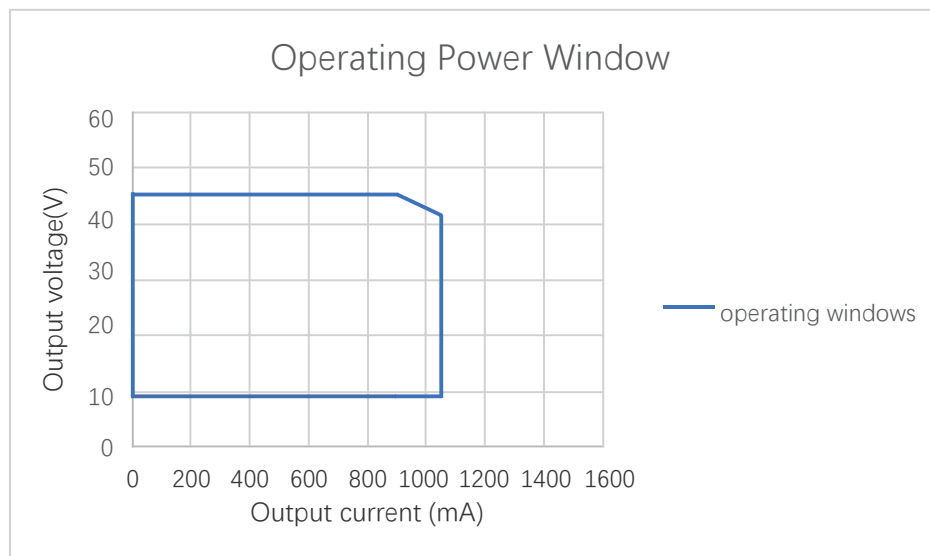




### 5. Wiring Diagram



### 6. Output Power Window



### 7. Packing information

#### SC

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
398*230*130	100	0.118	11.78	12.18

#### Small side cover

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
395*295*125	64	T.B.D	T.B.D	T.B.D

### Large side cover

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
T.B.D	T.B.D	T.B.D	T.B.D	T.B.D

### 8. REVISION HISTORY

Date	Revision	Remark