Constant Current & Dimmable Driver

Model: CC7W100-180CG Triac
CC7W180-350CG Triac
CC7W350-500CG Triac

Model	Output Current (230V Full Load)	Input Current (230V Full Load)	Input Power (230V Full Load)	Output Power Range	PF (Full Load)	Efficiency (Full Load)	Output Voltage	No load Voltage
CC7W100-180CG Triac	180mA	0.06A	9.5W	2.6-7.2W	0.92	77%	26-40V	55V
CC7W180-350CG Triac	350mA	0.06A	9.5W	2.16-7W	0.92	77%	12-20V	35V
CC7W350-500CG Triac	500mA	0.06A	9.5W	2.45-6.5W	0.92	74%	7-13V	25V

1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	Phase dimming
	Dimming Range	10%-100%
	IP Grade	IP20
	Insulation Class	Class Ⅱ
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Frequency	50/60Hz
	Input Current	≤0.06A (198VAC，full load)
	Input Power	≤10W (230VAC，full load)
	Power Factor	≥0.92 (230VAC，full load)
	THD	N/A
	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	≤5A/12.8us (230VAC，full load)
	Connected quantity of 16A Breaker ：	45pcs/type B ; 72pcs/type C @ 230Vac
Output Voltage	CC7W100-180CG Triac	26-40V
	CC7W180-350CG Triac	12-20V
	CC7W350-500CG Triac	7-13V
Output Current	CC7W100-180CG Triac	100mA/120mA/140mA/180mA
	CC7W180-350CG Triac	180mA/200mA/300mA/350mA
	CC7W350-500CG Triac	350mA/400mA/450mA/500mA
No Load	CC7W100-180CG Triac	55VDC Max.

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Voltage	CC7W180-350CG Triac	35VDC Max.
	CC7W350-500CG Triac	25VDC Max.
Output	Max. Output Power	7.2W
	Efficiency	≥74%　(230VAC，full load)
	Current Ripple	±10%　(230VAC，full load)
	Current Accuracy	±5%
	Started Delay Time	≤0.5S (230VAC，full load)
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
	Ta/Operation Temperature	-25….+50℃
Environment	Ts/Storage Temperature	-40….+85℃
	Tc/Enclosure Temperature	85 ℃
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
	Connection Method	Push-in Terminal
Construction	Installation	Independent & Buitl in
	PRI Wire preparation	0.75-1.5□
	SEC Wire preparation	0.5-1.5□
	Dimension	Independent:122*41*23mm (L*W*H) Built in:88*41*23mm(L*W*H)
	Certification	complied to CE ENEC SAA
Standards	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017 ,EN62493:2015,AS/NZSIEC61347.2.13:2013, AS/NZS 61347.1:2016
	EMC Standards	EN55015:2013/A1:2015,EN61000-3-2:2014,E N61000-3-3:2013,EN61547:2009
	Performance	EN62384
	Surge	L-N/1KV
	RoHS	complied to 2011/65/EU
Others	Life Time	50000h @50℃ (Ta) / 85℃ (Tc)
	Warranty	5years ， F.R. < 10000ppm

Remark: 1.Specific instructions are not all parameters are not connect dimmer input voltage 230 vac / 50 Hz and 25 ℃ ambient temperature measured.
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.
3.Leading edge & trailing edge dimmable.

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2. Trailing Edge Dimmer list approved by KGP

Manufacturer	Model	Q'ty of parallel connection
ABB	6519 U	13
ABB	6526 U	12
JUNG	1224 LED UDE	12
Berker	2861	12
JUNG	254 UDIE 1	13
JUNG	225 TDE	12
EGANT	U321V2	12
Schneider	SBD200LED	12
Schneider	SBD315RC	14
Merten	SBD200LED	12
Berker	2874	12
Eltako	EUD61NPL-230V	10
Eltako	EUD12NPN-UC	10
Eltako	EUD12D-UC	10
Eltako	EUD61NP-230V	10
Eltako	DTD55L-230V-wg	10
GIRA	Universal-LED-Dimmer Mini2440 00	10
EHMANN	LED-Dimmer T46.08	9
JUNG	DrehdImmer UnIversal LED1731DD	10
EHMANN	LED-Dimmer T46.03	10

Leading Edge Dimmer list only on request -/ or confirmed by KGP Electronics

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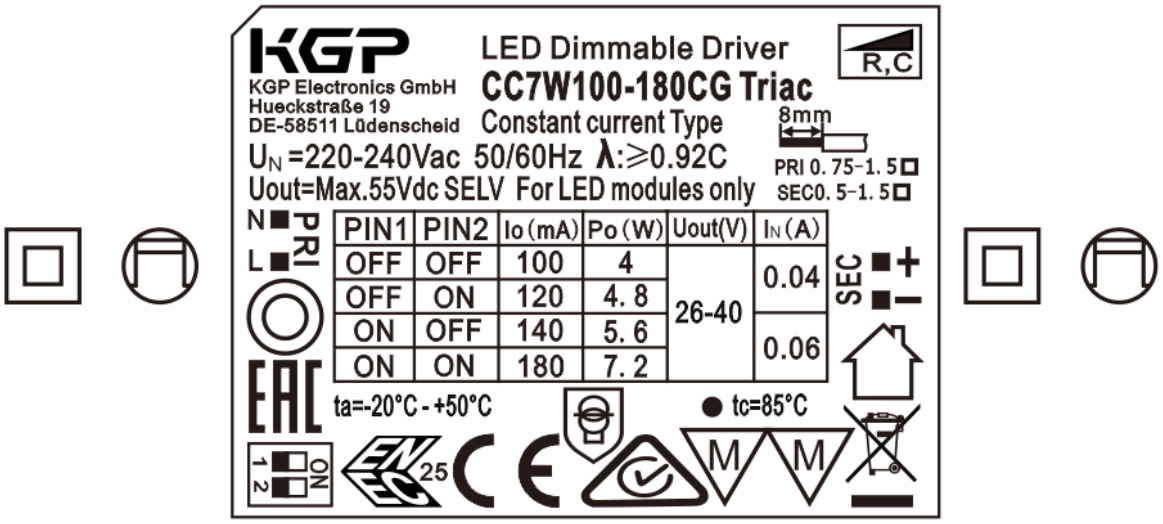
3. Label


KGP
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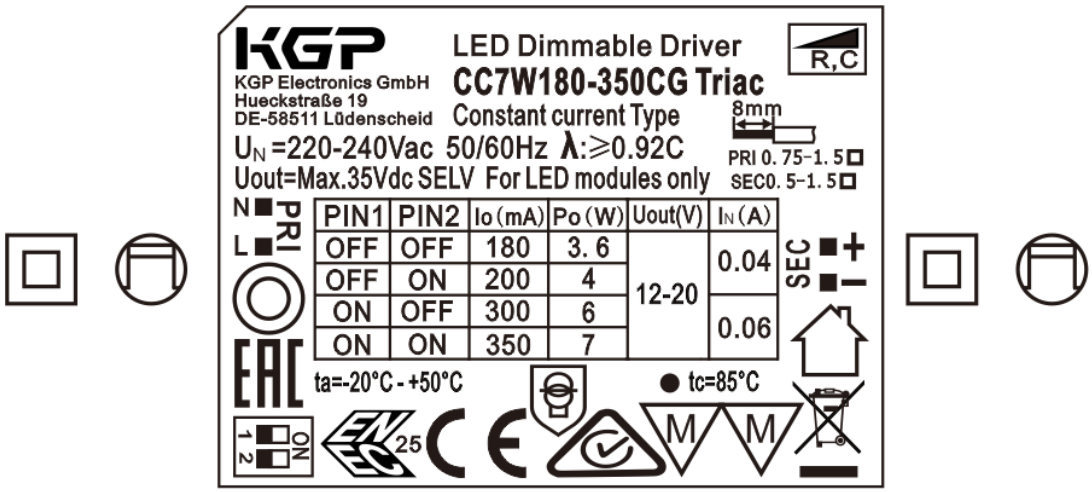
LED Dimmable Driver
CC7W100-180CG Triac
Constant current Type
R,C
8mm
PRI 0.75-1.5
SEC0.5-1.5
UN =220-240Vac 50/60Hz λ:≥0.92C
Uout=Max.55Vdc SELV For LED modules only
N
L
PRI
SEC
PIN1 PIN2 Io(mA) Po(W) Uout(V) IN(A)
OFF OFF 100 4 26-40 0.04
OFF ON 120 4.8
ON OFF 140 5.6 0.06
ON ON 180 7.2
ta=-20°C - +50°C
tc=85°C
ON
1 2
25
M
M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PRI 0.75-1.5
SEC0.5-1.5
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Uout=Max.35Vdc SELV For LED modules only
N
L
PRI
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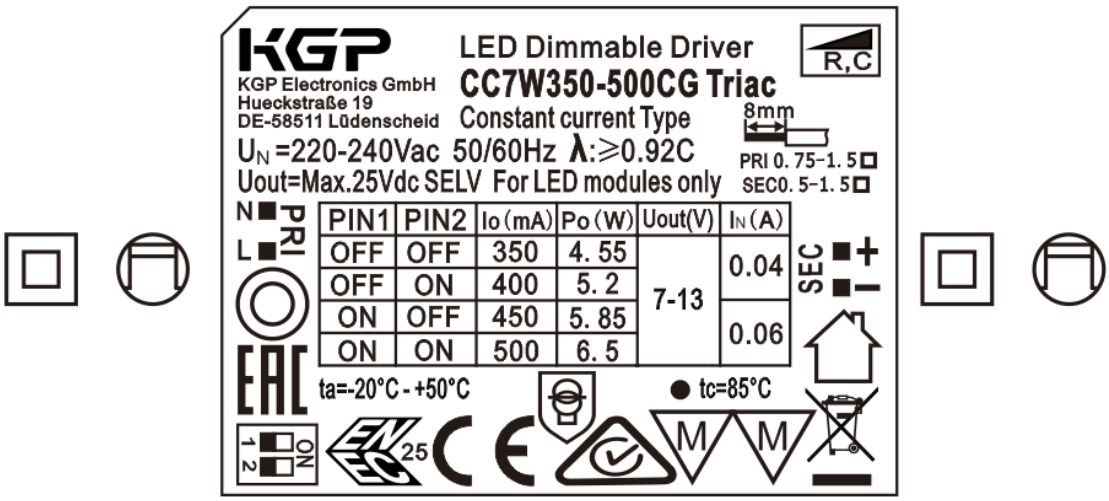
PIN1 PIN2 Io(mA) Po(W) Uout(V) IN(A)
OFF OFF 180 3.6 12-20 0.04
OFF ON 200 4
ON OFF 300 6 0.06
ON ON 350 7
ta=-20°C - +50°C
tc=85°C
ON
1 2
25
M
M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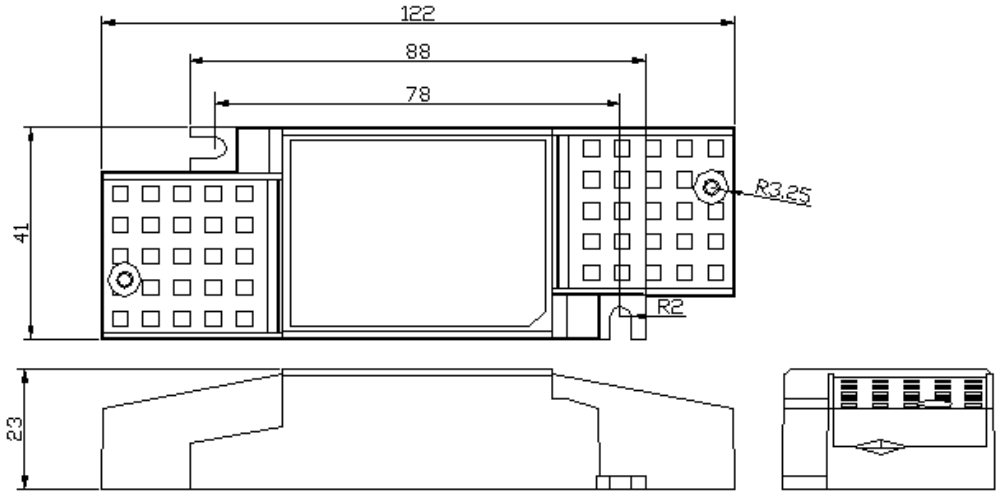
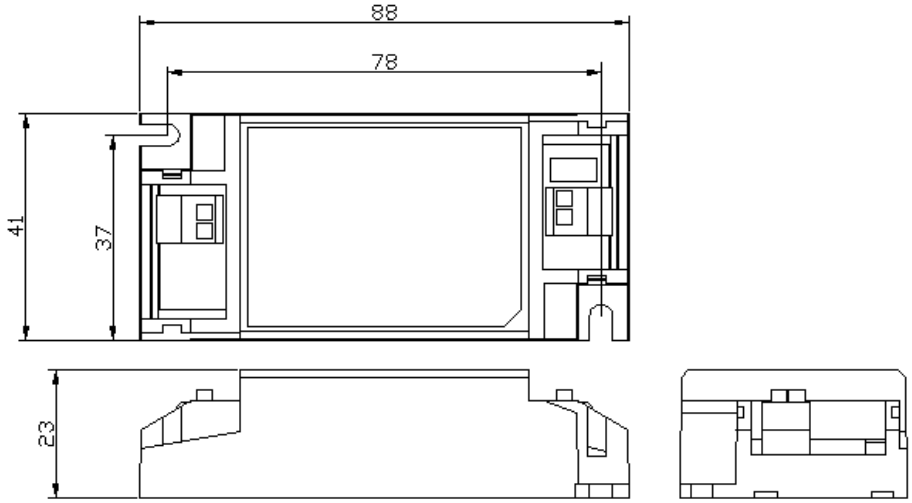
LED Dimmable Driver
CC7W350-500CG Triac
Constant current Type
R,C
8mm
PRI 0.75-1.5
SEC0.5-1.5
UN =220-240Vac 50/60Hz λ:≥0.92C
Uout=Max.25Vdc SELV For LED modules only
N
L
PRI
SEC
PIN1 PIN2 Io(mA) Po(W) Uout(V) IN(A)
OFF OFF 350 4.55 7-13 0.04
OFF ON 400 5.2
ON OFF 450 5.85 0.06
ON ON 500 6.5
ta=-20°C - +50°C
tc=85°C
ON
1 2
25
M
M

4. Dimension （Unit：mm）

Independent type:



Built in type:



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	90	0.07	6.3	8.09

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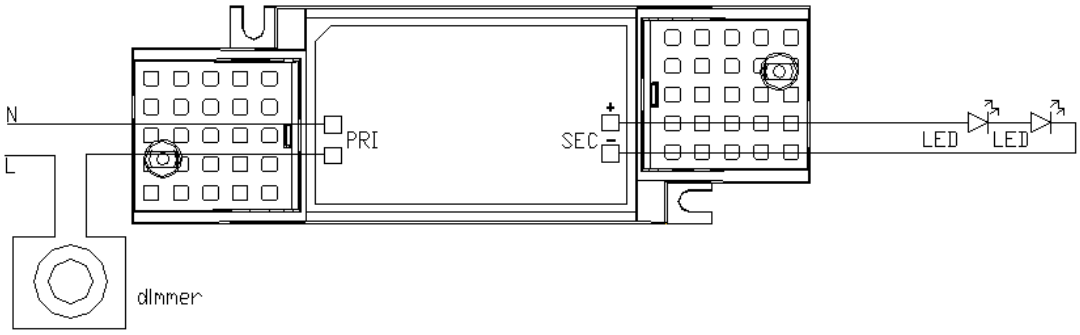
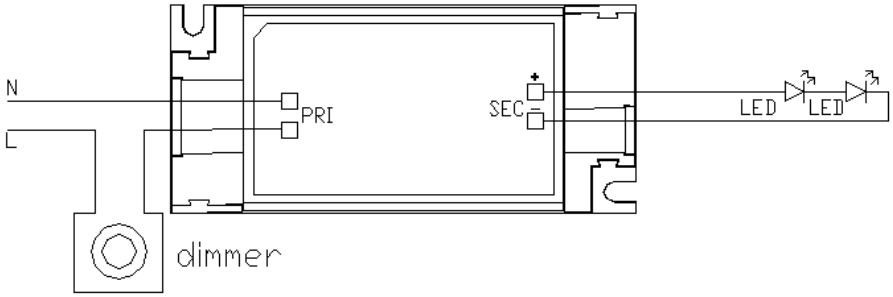
6. Wiring Diagram

Independent type:



Built in type:



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