NEXIVO
by KGP Electronics GmbH

CC7WXXX-XXXCG-TRIAC-NX

Constant Current & Dimmable Driver

Model:CC7WXXX-XXXCG-TRIAC-NX

Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
CC7W100-180CG-TRIAC-NX	160510	100mA	0.04A	5.00W	2.60-4.00W	0.92	74%	26-40V	55V
		120mA	0.04A	6.50W	3.12-4.80W		74%		
		140mA	0.06A	8.00W	3.64-5.60W		77%		
		180mA	0.06A	9.50W	4.68-7.20W		77%		
CC7W180-350CG-TRIAC-NX	160520	180mA	0.04A	5.00W	2.16-3.60W		74%	12-20V	35V
		200mA	0.04A	6.50W	2.40-4.00W		74%		
		300mA	0.06A	8.00W	3.60-6.00W		77%		
		350mA	0.06A	9.50W	4.20-7.00W		77%		
CC7W350-500CG-TRIAC-NX	160530	350mA	0.04A	5.00W	2.45-4.55W		72%	7-13V	25V
		400mA	0.04A	6.50W	2.80-5.20W		72%		
		450mA	0.06A	8.00W	3.15-5.85W		74%		
		500mA	0.06A	9.50W	3.50-6.50W		74%		

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

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_stable
	Range of AC Input Voltage	198-264VAC_stable or 180-280VDC_stable
	Frequency	50/60Hz
	Input Current	≤0.06A
	Input Power	≤10W
	Power Factor	≥0.92（230VAC,full load）
	THD	N/A

KGP Electronics GmbH
Hueckstraße 19
DE-58511Lüdenscheid

NEXIVO
by KGP Electronics GmbH

CC7WXXX-XXXCG-TRIAC-NX

Output	Output Voltage	26-40V @CC7W100-180CG-TRIAC-NX
		12-20V @CC7W180-350CG-TRIAC-NX
		7-13V @CC7W350-500CG-TRIAC-NX
	Output Current	100mA/120mA/140mA/180mA @CC7W100-180CG-TRIAC-NX
		180mA/200mA/300mA/350mA @CC7W180-350CG-TRIAC-NX
		350mA/400mA/450mA/500mA @CC7W350-500CG-TRIAC-NX
	No Load Voltage	55VDC Max. @CC7W100-180CG-TRIAC-NX
		35VDC Max. @CC7W180-350CG-TRIAC-NX
		25VDC Max. @CC7W350-500CG-TRIAC-NX
	Max. Output Power	7.2W
	Efficiency	≥74%
	Current Ripple（<120Hz）	±5% (Imax-Imin)/(Imax+Imin)
	PstLM	≤1
	SVM	≤0.4
	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	-20….+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:129*44*23mm (L*W*H) Built in:88*44*23mm(L*W*H)
	Certification	complied to CE ENEC SAA
Standards	Safety Standards	EN61347-1:2015，EN61347-2-13:2014/A1:2017 EN62384:2006/A1:2009, AS61347.2.13:2018, AS/NZS61347.1:2016 Inc A1
	EMC Standards	EN IEC55015:2019, EN IEC55015:2019/A11:2019, EN IEC61000-3-2:2019, EN 61000-3-3:2013/A1:2019,EN61547:2009
	Performance	EN62384
	Surge	L-N/1KV
	RoHS	complied to 2011/65/EU

KGP Electronics GmbH
Hueckstraße 19
DE-58511Lüdenscheid

Others	Life Time	50000h @50℃ (Ta) / 85℃ (Tc)
	Warranty	5years ， F.R. < 10000ppm
	Noise	15cm ＜28dB
	Noise	≤ 28dB @Background noise ≤18dB ， Interval≥15cm

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. Trailing edge dimmable.

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
Berker	2874	12
Eetako	EUD61NP-230V	12
Eetako	DTD55L-230Vwg	10
GIRA	Universal-LED-Dimmer Mini2440 00	10
EHMANN	LED-Dimmer T46.08	10
JUNG	Drehdlmmer Unlversal LED1731DD	10

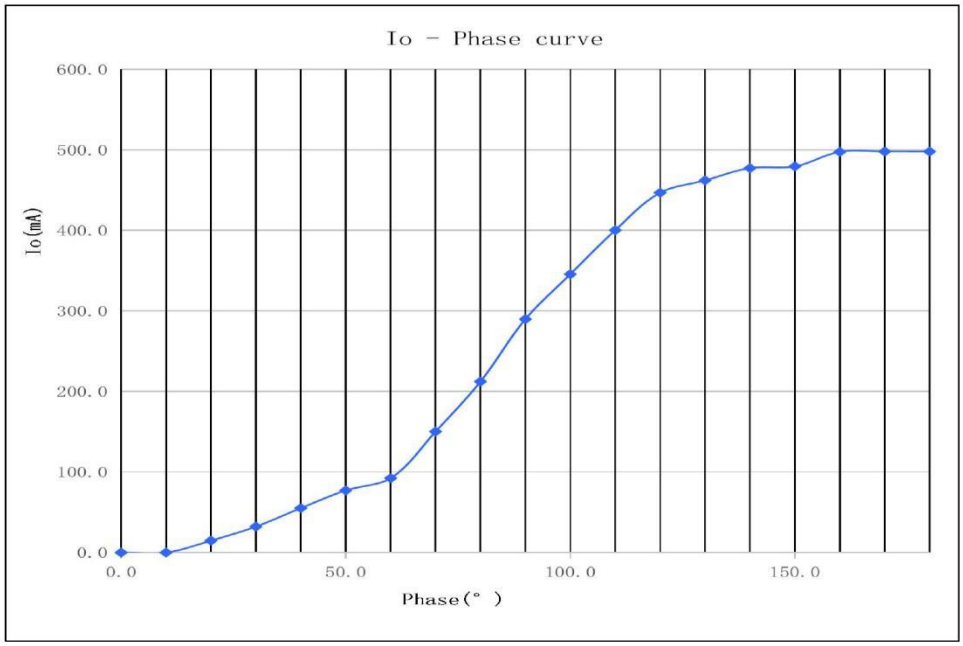
Leading Edge Dimmer list only on request -/ or confirmed by KGP Electronics

3. Connected quantities of different current Breaker

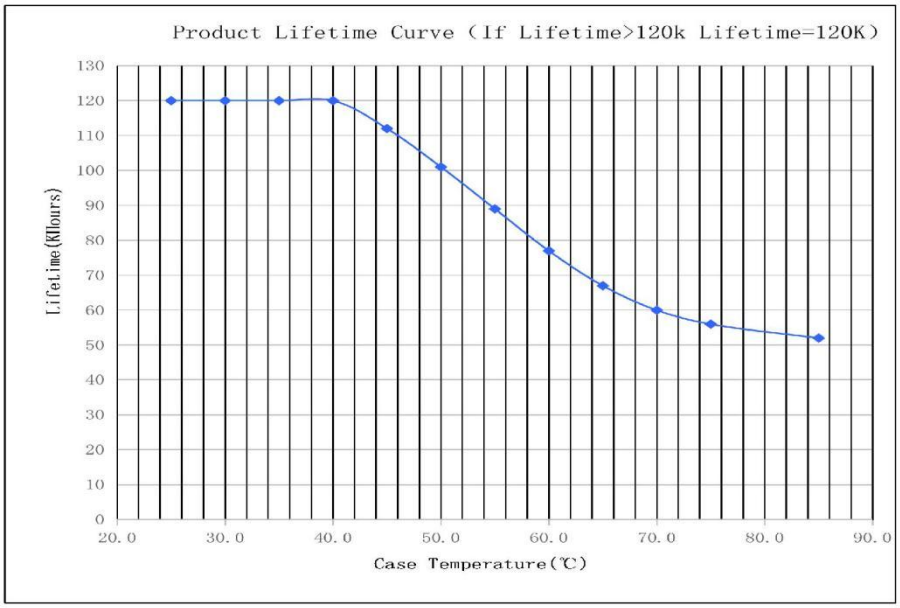
TYPE	Connected quantities of different current Breaker						Input Voltage	Inrush Current	Time
	current（A）	10	13	16	20	25			
	Installation wire diameter	1.5mm²	2.5mm²	2.5mm²	4mm²	4mm²			
TYPE B		120	156	192	240	300	@230VAC	5	12.8μs
TYPE C		192	250	307	384	480			
TYPE D		307	399	492	614	768			

4. Label

5. Dimming curve

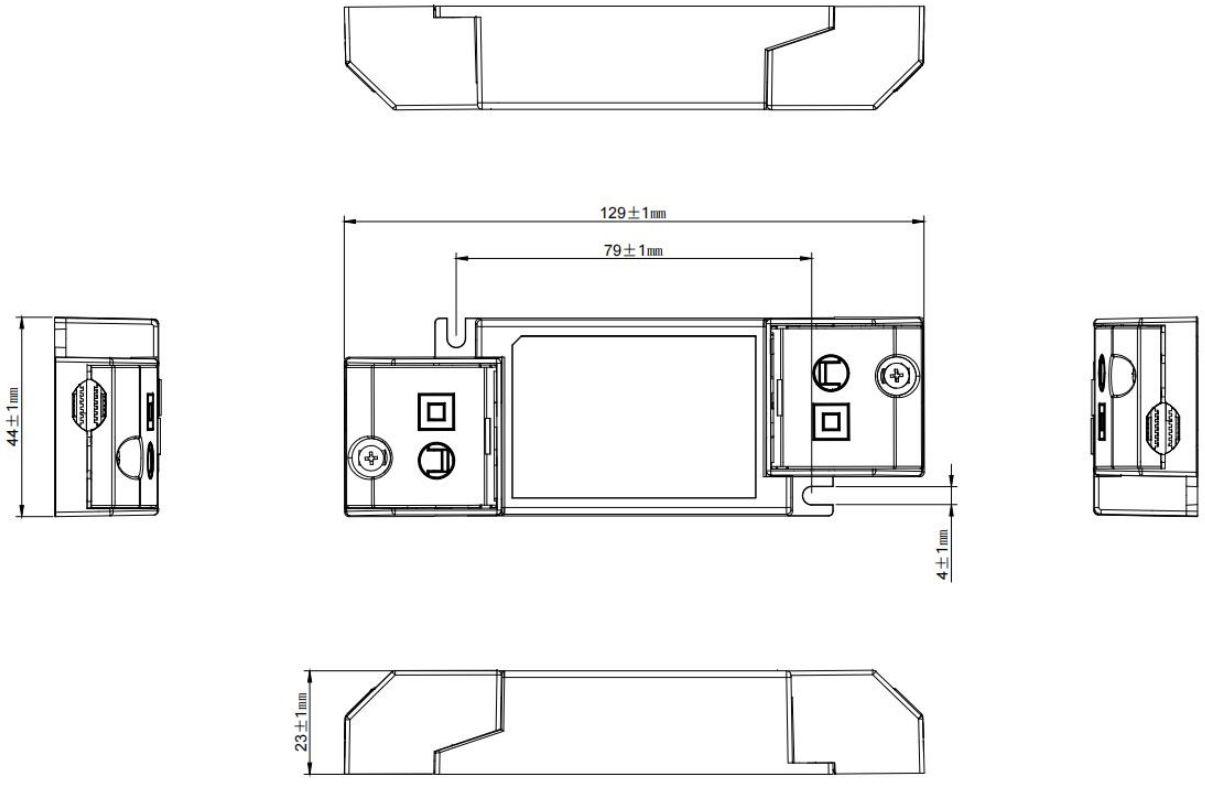


6. Lifetime curve

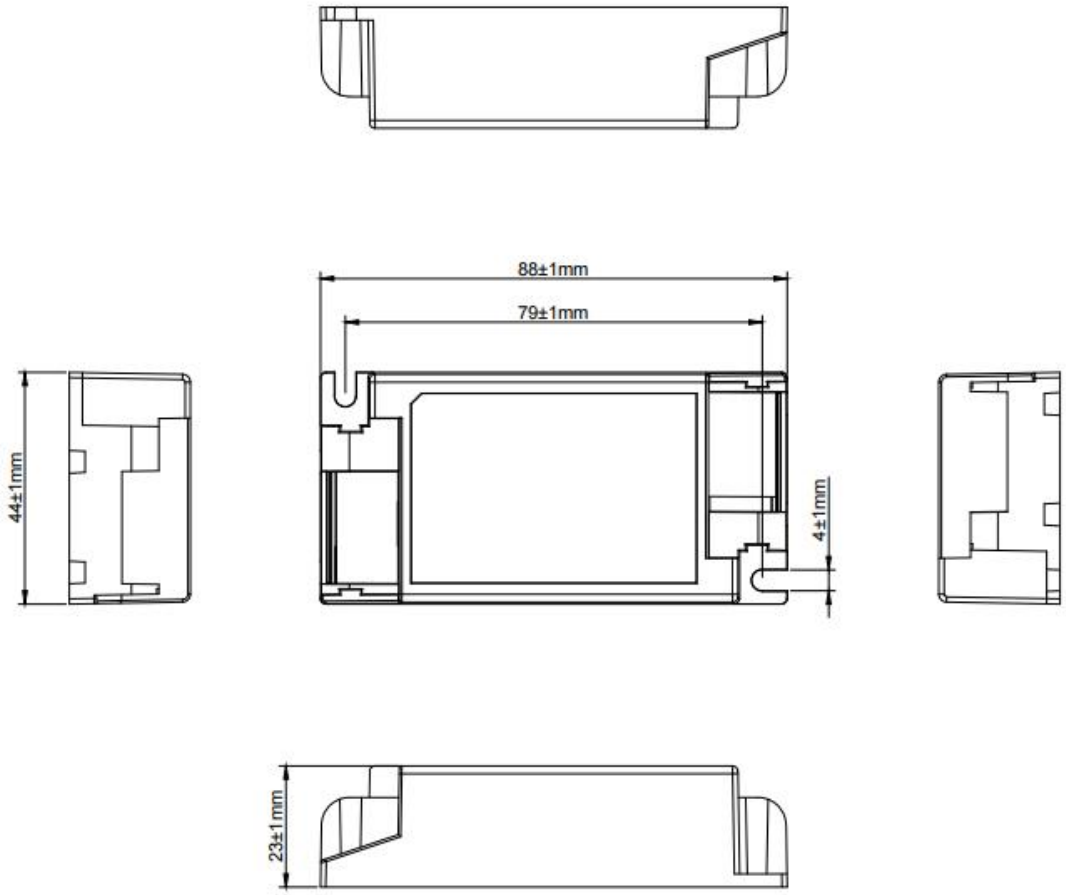


7. Dimension （Unit：mm）

Independent type:



Built in type:

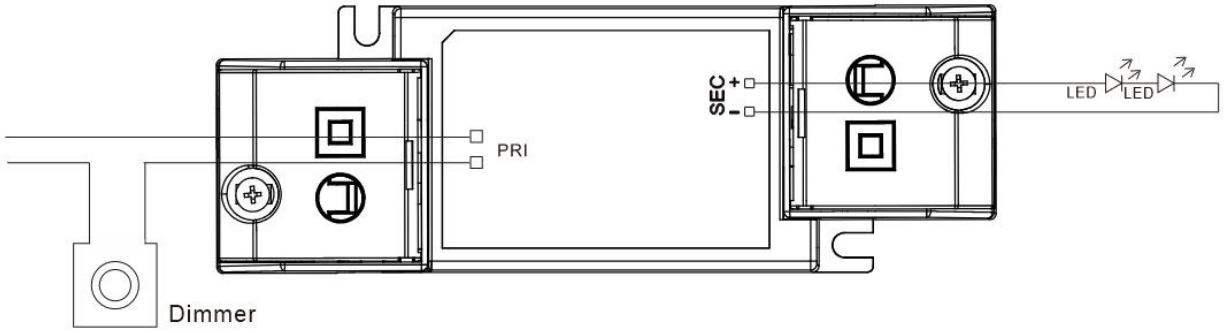


8. Packing information

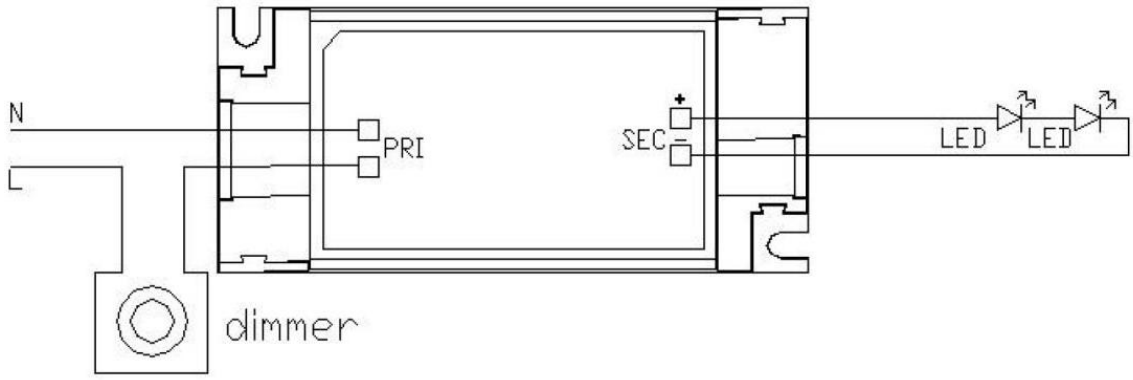
Packing way	Model	Carton L*W*H(mm)	Pcs/ Carton	Net eight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight /Carton(kg)
With white box and manual	CC7WXXX-XXXCG-TRIAC-NX	420*280*210	100	0.07	7.00	8.50

9. Wiring Diagram

Independent type:



Built in type:



10. 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.)

11. Ordering data

Model No	Item code
CC7W100-180CG-TRIAC-NX	160510
CC7W180-350CG-TRIAC-NX	160520
CC7W350-500CG-TRIAC-NX	160530

12. Revision history

Date	Revision	Remark
2026.16.03	V0.01	Product release
2026.16.06	V0.02	Height is change from 30mm to 23mm & packing information