



Constant Current Dimmable Driver

Model: CC15W350-700CG Triac



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
CC15W350-700CG Triac	350mA	≤0.11A	≤21W	2.8-14.7W	0.92C	≥81%	8-42V	≤59V
	400mA			3.2-14.8W			8-37V	
	450mA			3.6-14.85W			8-33V	
	500mA			4.0-15W			8-30V	
	550mA			4.4-14.85W			8-27V	
	600mA			4.8-15W			8-25V	
	650mA			5.2-14.95W			8-23V	
	700mA			5.6-15.4W			8-22V	

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

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	Phase dimming
	Dimming Range	1%-100%
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC or 180-280VDC
	Frequency	50/60Hz
	Input Current	≤0.11A (230VAC, full load)
	Input Power	≤21W(230VAC, full load)
	Power Factor	≥0.92(230VAC, full load)
	THD	≤15% (230VAC, full load)
	No-load Power Consumption	≤2W @230VAC
Output	Output Voltage	8-42V
	Output Current:	350/400/450/500/550/600/650/700/MA
	No Load Voltage	59VDC Max
	Max. Output Power:	15.4W
	Efficiency	≥81% (230VAC,full load)
	LF Current Ripple (< 120 Hz)	±5% (Imax-Imin)/(Imax+Imin) MAX

	Current Accuracy	±5%	
	Started Delay Time	≤2S (230VAC,full load)	
	PstLM	≤1	
	SVM	≤0.4	
Protection	Short Circuit Protection	Auto Recovery	
	Overload Protection	Auto Recovery	
	No-load Protection	Auto Recovery	
	Insulation voltage	3000V 5mA 60S between P-S	
	Insulation resistance	>100M ohm @ 500VDC	
	Leakage current	I/P to O/P <0.7mA	
Environment	Ta/Operation Temperature	-20...50°C	
	Ts/Storage Temperature	-40...85°C	
	Tc/Enclosure Temperature	90°C	
	Humidity	10%...90%RH	
	Atmosphere	86-108KPa	
Construction	Connection Method	Push-in Terminal	
	Installation	Built in & Independent	
	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)	
Standards	Certification	CE	
	Safety Standards	EN 61347-1:2015/A1:2021 EN 61347-2-13:2014/A1:2017 EN IEC 62384:2020 EN 62493:2015	
	EMC Standards	EN IEC 55015:2019 EN IEC 55015:2019/A11:2020 EN IEC 61000-3-2:2019/A1:2021 EN 61000-3-3:2013/A2:2021 EN IEC 61547:2023	
	Performance	EN62384:2020	
	Surge	L-N/2KV	
	RoHS	complied to 2011/65/EU	
	Others	Life Time	50000h Ta /Tc
		Warranty	5years , F.R. < 10000ppm
Noise		≤22dB@Background noise ≤18dB , Interval≥15cm	
Remark:1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C 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. Trailing Edge Dimmer list approved by KGP

Manufacturer	Model	Q'ty of parallel connection
Yikai	EU-200P	T.B.D
Berker	286710	T.B.D
Schneider	SBD200LED	T.B.D
Schneider	SBD315RC	T.B.D
Eltako	DTD55L-230V-wg	T.B.D
ETMAN	ETM321PV2	T.B.D
EUCHIPS	Walldin 106	T.B.D
EHMANN	LED-Dimmer T37-08	T.B.D
JISIM	JP1101	T.B.D
LTECH	E6P-TD1	T.B.D
EUCHIPS	WALLDIM108W	T.B.D

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



3. Output Current Setting

Output Current	Dial 1	Dial 2	Dial 3
350mA	-	-	-
400mA	ON	-	-
450mA	-	ON	-
500mA	ON	ON	-
550mA	-	-	ON
600mA	ON	-	ON
650mA	-	ON	ON
700mA	ON	ON	ON

4. 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	1.5mm ²	2.5mm ²	2.5mm ²	4mm ²	4mm ²			
TYPE B	43	56	69	86	107	@230VAC	14	10us	
TYPE C	69	89	110	137	171				
TYPE D	110	143	176	219	274				

5. Label

KGP LED Dimmable Driver
 KGP Electronics GmbH
 Hueckstraße 19
 DE-58511 Lüdenscheid

CC15W350-700CG Triac
 Constant Current Type

$U_N=220-240VAC$ 50/60Hz $\lambda \geq 0.92C$ $I_n \leq 0.11A$ 8mm



$U_{out} = \text{Max.} 59VDC$ For LED modules only


1	2	3	I_o (mA)	P_o (W)	U_{out} (V)
-	-	-	350	14.7	8-42
ON	-	-	400	14.8	8-37
-	ON	-	450	14.85	8-33
ON	ON	-	500	15	8-30
-	-	ON	550	14.85	8-27
ON	-	ON	600	15	8-25
-	ON	ON	650	14.95	8-23
ON	ON	ON	700	15.4	8-22



$t_a = -20 \dots 50^\circ C$ $t_c = 90^\circ C$



SEC +
SEC -

PRI 0.75-1.5
SEC 0.5-1.5

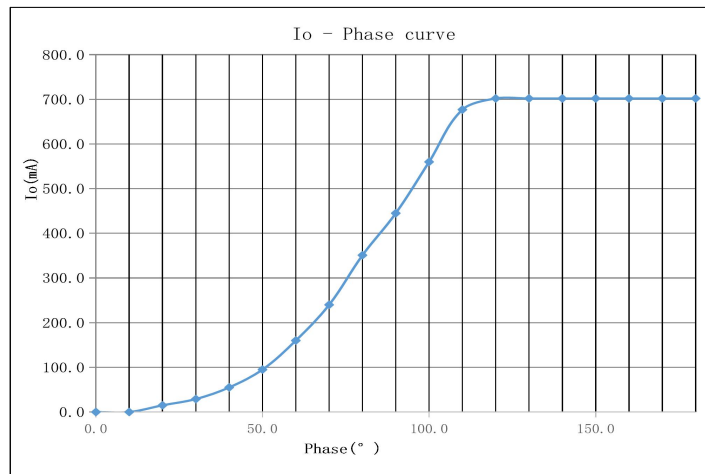



SELV 

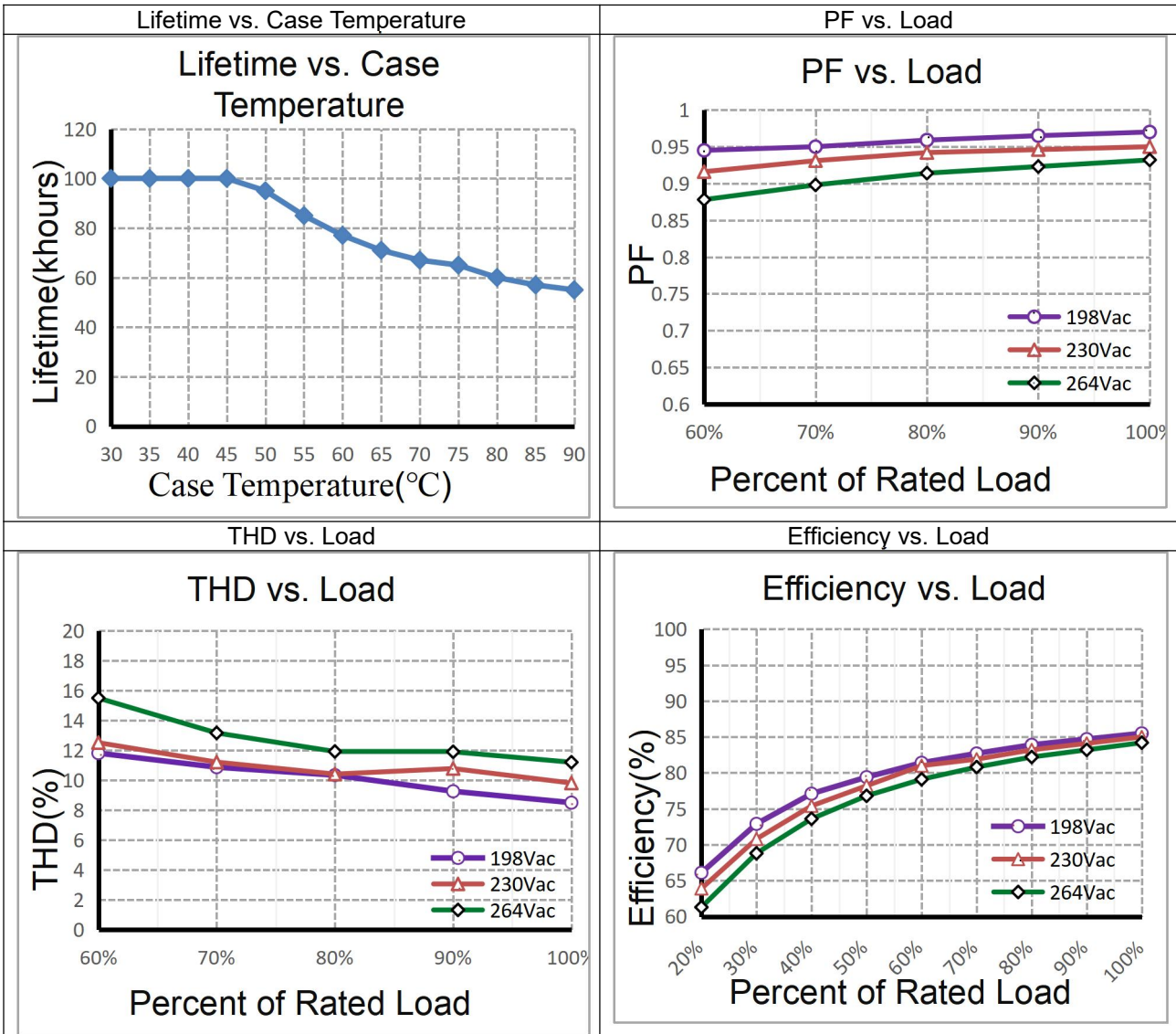



6. Dimming curve



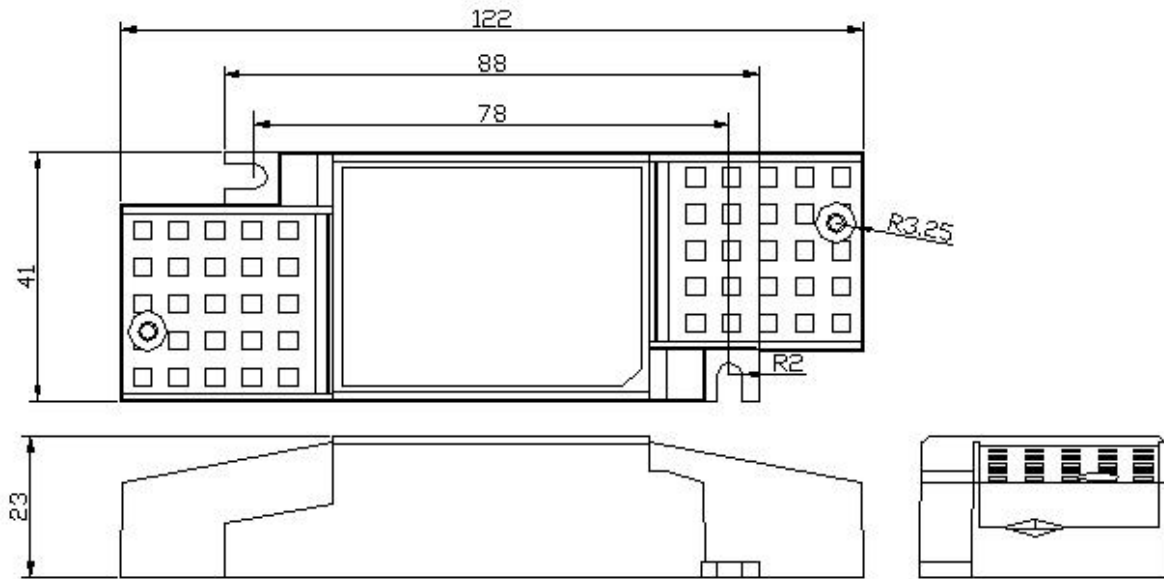
(Specific dimmer)

7. Electrical values

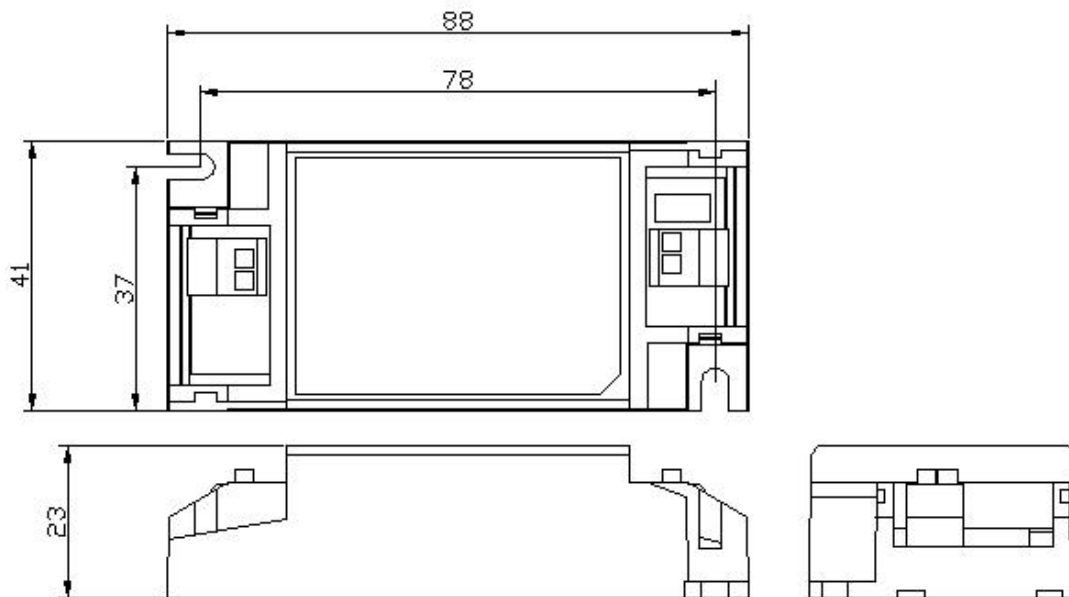


8. Dimension (Unit: mm)

Independent type:

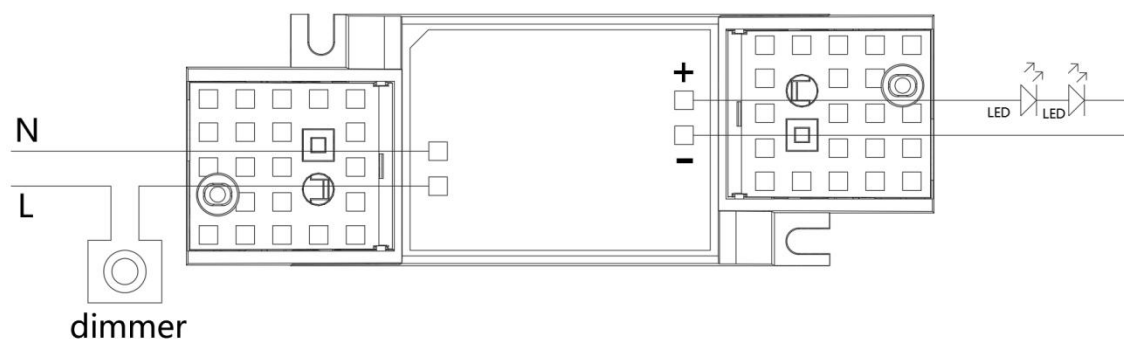


Built in type:

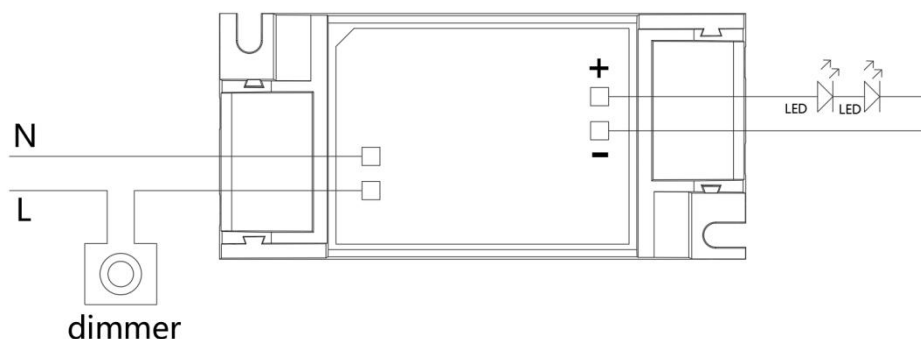


9. Wiring Diagram

Independent type:



Built in type:



10. Packing information

Independent type:

Packing way	Model	Colour	Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight/ Carton(kg)
industrial	CC15W350-700CG Triac	White	447*240*200	80	0.102	8.16	8.86

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industrial	CC15W350-700CG Triac	White	447*240*200	80	0.08	6.4	7.1

***The details shall be subject to the shipping package.**

11. 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

12. REVISION HISTORY

DATE	VER	REMARK
2024-09-29	V1.0	Initial release.