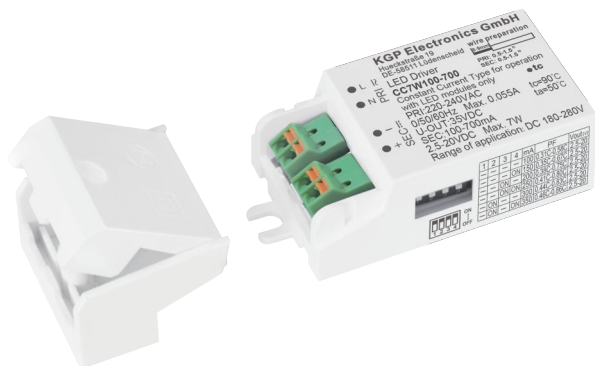
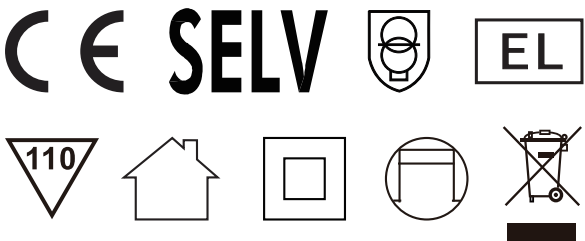




CC7W100-700

Constant Current Driver

Model:CC7W100-700



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency (typ.)*	Output Voltage	No load Voltage
CC7W100-700	100mA	0.046 A	2.7W	0.25-2.00W	0.31-0.58	73%	2.5 -20V	55V Max.
	150mA	0.048 A	3.8W	0.37-3.00W	0.35-0.67	78%		
	200mA	0.050 A	5.0W	0.50-4.00W	0.38-0.75	80%		
	250mA	0.051 A	6.2W	0.62-5.00W	0.41-0.80	81%		
	300mA	0.053 A	7.4W	0.75-6.00W	0.44-0.83	81%		
	350mA	0.055 A	8.5W	0.87-7.00W	0.46-0.86	82%		
	400mA	0.055 A	8.5W	1.00-6.80W	0.49-0.86	80%	2.5 -17V	
	450mA	0.055 A	8.5W	1.12-6.75W	0.52-0.86	79%	2.5 -15V	
	500mA	0.055 A	8.3W	1.25-6.50W	0.54-0.86	78%	2.5 -13V	
	550mA	0.055 A	8.6W	1.37-6.60W	0.57-0.86	77%	2.5 -12V	
	600mA	0.055 A	8.8W	1.50-6.60W	0.59-0.86	75%	2.5 -11V	
	650mA	0.055 A	8.8W	1.62-6.50W	0.61-0.87	74%	2.5 -10V	
	700mA	0.055 A	9.4W	1.75-7.00W	0.63-0.88	74%		

* 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
	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
	Overvoltage protection	2h@380VAC, 48h@320VAC

Input	Input Current	≤0.055A (230VAC, full load)
	Input Power	≤9.4W (230VAC, full load)
	Power Factor	≥0.88 (230VAC, full load)
	THD	≤15% (230VAC, full load)
	No-load Power Consumption	≤0.5W (230VAC, full load)
	Inrush Current	≤6.9A/2.6us (230VAC, full load)
	Connected quantity of 10A Breaker Connected quantity of 13A Breaker Connected quantity of 16A Breaker Connected quantity of 20A Breaker	28pcs/type A ; 45pcs/type B ; 72pcs/type C 36pcs/type A ; 58pcs/type B ; 94pcs/type C 45pcs/type A; 72pcs/type B ; 115pcs/type C 56pcs/type A; 90pcs/type B ; 144pcs/type C
Output	Output Voltage Range	2.5 -20VDC@350mA, 2.5 -17VDC@400mA 2.5 -15VDC@450mA, 2.5 -13VDC@500mA 2.5 -12VDC@550mA, 2.5 -11VDC@600mA 2.5 -10VDC@650-700mA
	No Load Voltage	55VDC Max.
	Output Current	100-700mA (Factory set current of 100mA)
	Max. Output Power	7W
	Efficiency	≥82% 230VAC, full load
	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	-20....+50℃
	Ts/Storage Temperature	-20....+90℃
	Tc/Enclosure Temperature	90℃
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Installation	Built -in / Independent
	PRI Wire preparation	0.5-1.5 [□] / 8-9mm
	SEC Wire preparation	0.5-1.5 [□] / 8-9mm
	Dimension	51.6*29*18mm (L*W*H)

Standards	Certification	CE
	Safety Standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017;
	Performance	EN 62384
	Surge	L/N-Ground:2kV; L-N:1kV
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h Tc=90°C
		75000h Tc=85°C
		100000h Tc=80°C
	Warranty	5years, F.R. <10000ppm

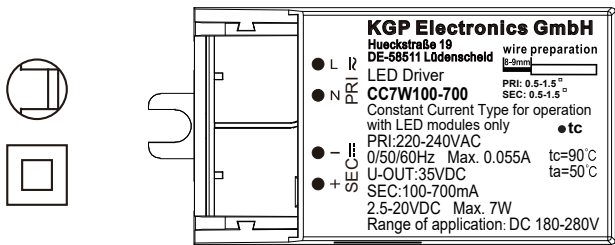
Remark:

1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.

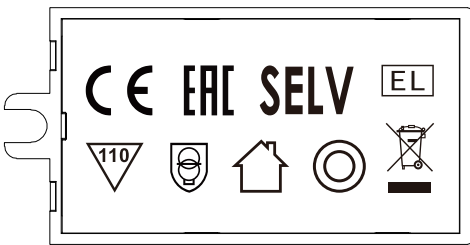
2.LED Driver is a component of the luminaires. Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

Distance	15m	30m	50m
Cable selection	0.5mm²	0.75mm²	1.0mm²

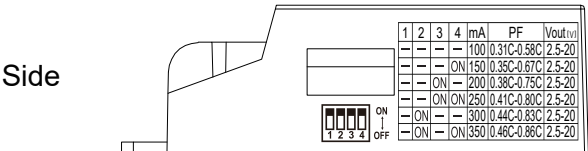
2. Label



Front



Back



Side

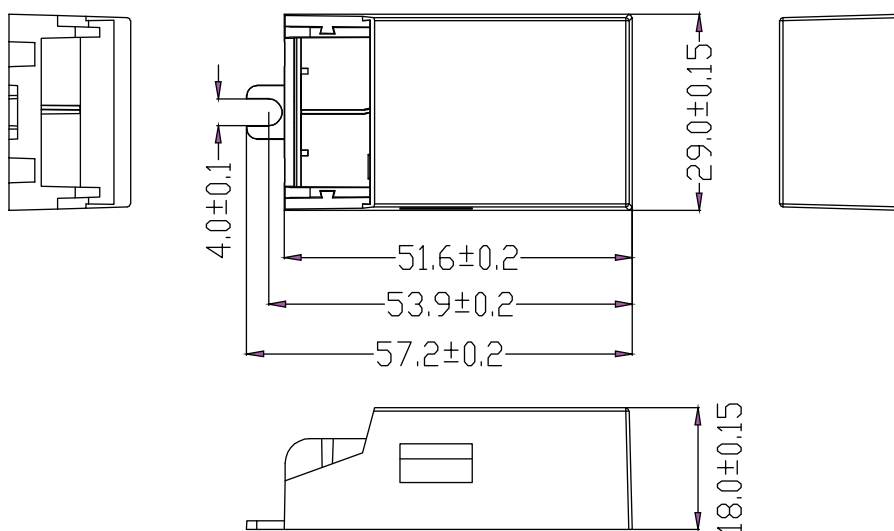
1	2	3	4	mA	PF	Vout(V)
—	ON	ON	—	400	0.49C-0.86C	2.5-17
—	ON	ON	ON	450	0.52C-0.86C	2.5-15
ON	—	—	—	500	0.54C-0.86C	2.5-13
ON	—	ON	—	550	0.57C-0.86C	2.5-12
ON	—	ON	ON	600	0.59C-0.86C	2.5-11
ON	ON	ON	—	650	0.61C-0.87C	2.5-10
ON	ON	—	—	700	0.63C-0.88C	2.5-10

3. Output Current Setting

Output Current	1	2	3	4
100mA	-	-	-	-
150mA	-	-	-	ON
200mA	-	-	ON	-
250mA	-	-	ON	ON
300mA	-	ON	-	-
350mA	-	ON	-	ON
400mA	-	ON	ON	-
450mA	-	ON	ON	ON
500mA	ON	-	-	-
550mA	ON	-	-	ON
600mA	ON	-	ON	-
650mA	ON	-	ON	ON
700mA	ON	ON	-	-

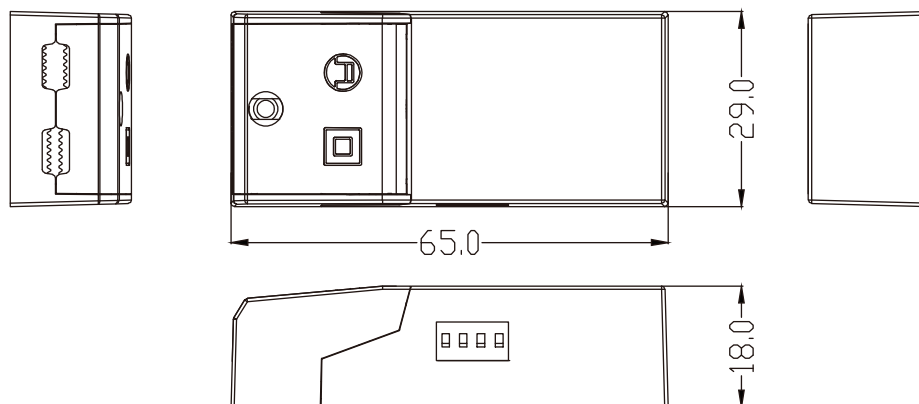
4. Dimension (Unit: mm)

Built in type:



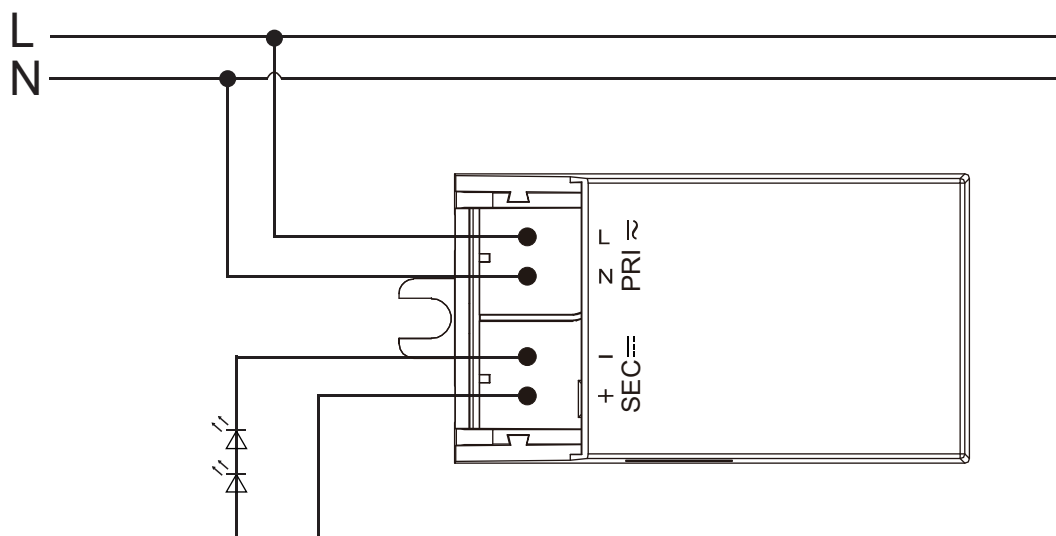
Compatible Small Strain reliefs:SR_CC7W100-700

Strain reliefs



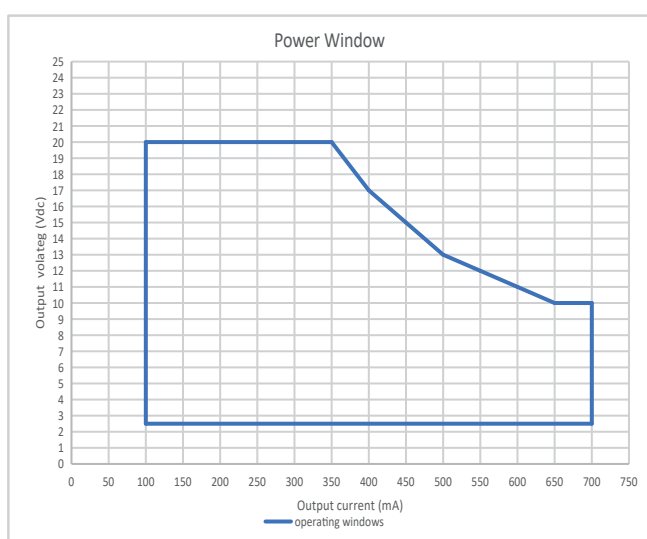
5. Wiring Diagram

220-240 V
0/50/60 Hz

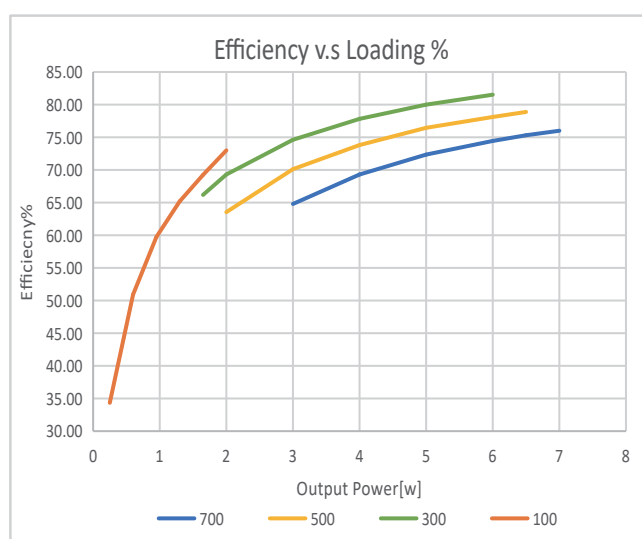


6. Electrical values

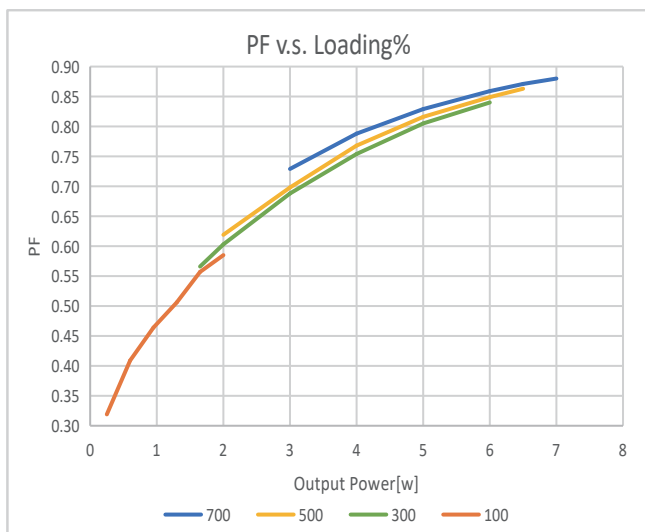
1. Operating power windows



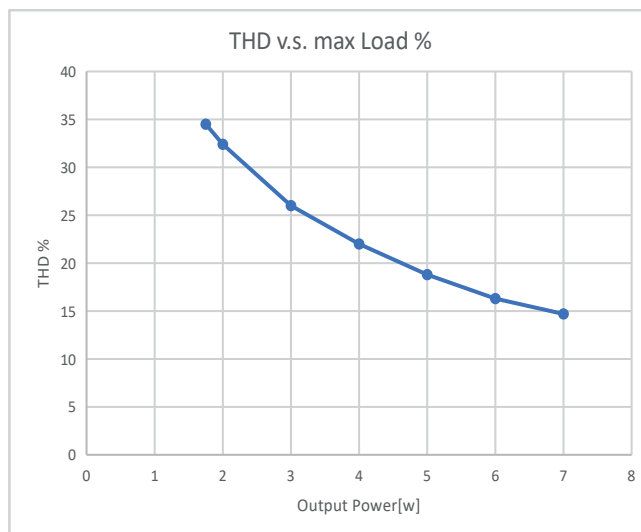
2. Efficiency v.s. Load



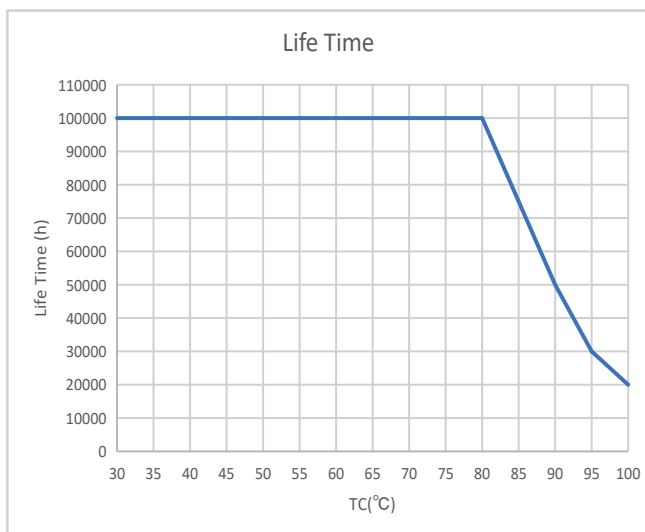
3. PF v.s. Load



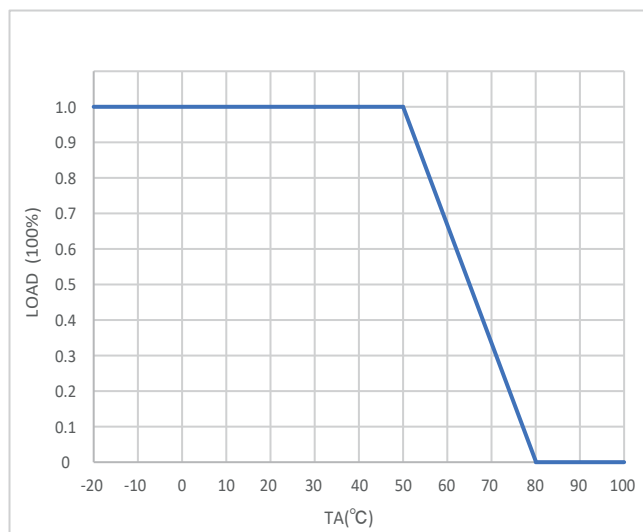
4. THD v.s. Load



5. Life time

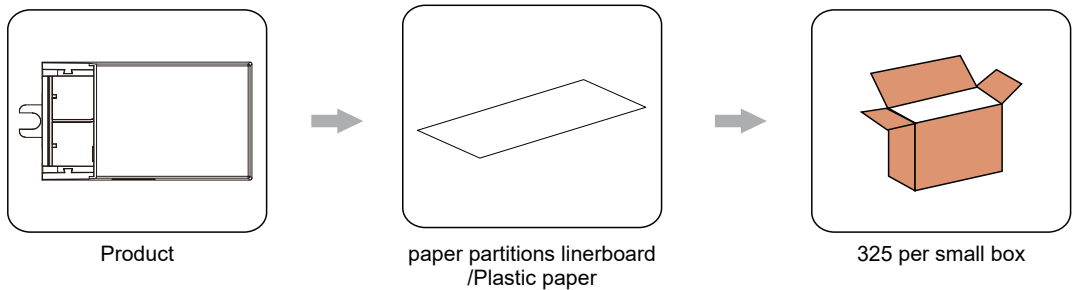


6. Derating



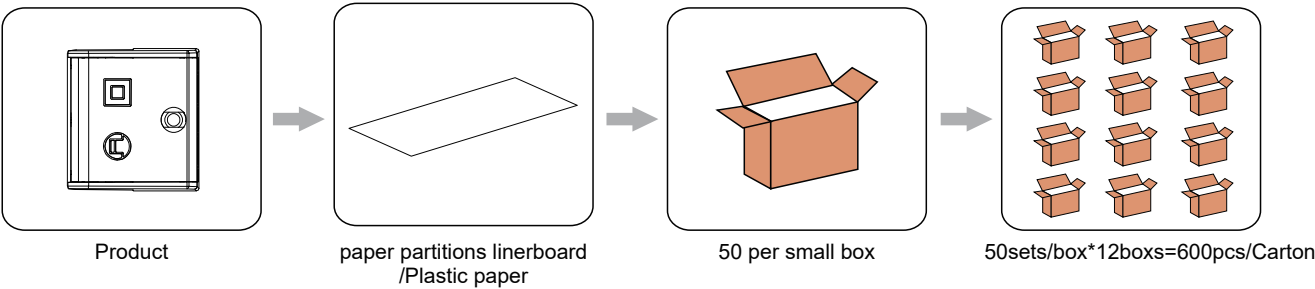
7. Packing information

Built in type



Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
395*295*125	325	0.025	8.126	8.61

Small Strain reliefs



Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
380*256*188	600	0.005	3.06	4.18

8. REVISION HISTORY

Date	Revision	Remark
2024.07.04	V0.01	Designation, photo, strain relief code, packing informations
2024.09.15	V0.02	Label, Packing information, Parameters, Dimension, update images
2024.12.02	V0.03	Label, Parameters, Electrical values, update images
2025.01.17	V0.04	Label, update images