



Constant Current & Dimmable Driver

Model: CC30W250-700CG DALI



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
CC30W250-700CG DALI	700mA	0.18A	35W	1.5-30W	0.9	86%	6-58V

1. Parameters

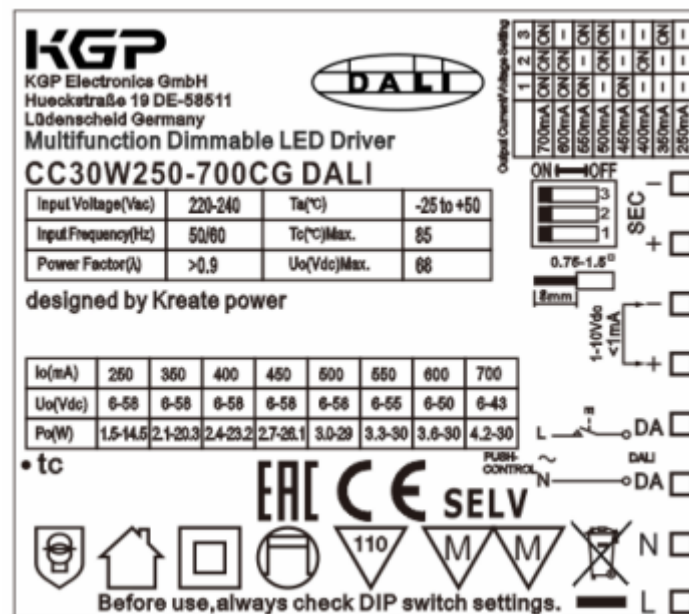
category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	1-10V dimming
	Dimming Range	Primary PUSH & DALI dimming: 0%-100% 1-10V dimming: 2%-100%
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Frequency	50/60Hz
	Input Current	≤0.18A (198VAC, full load)
	Input Power	≤35W (230VAC, full load)
	Power Factor	≥0.90 (230VAC, full load)
	THD	≤20% (230VAC, full load)
	No-load Power	≤1.5W
	Stand-by Power	≤0.5W(@230Vac when PUSH or DALI turn off)
	Inrush Current	<15A (Half current pulse width 100US) @230VAC
	Connected quantity of 16A Breaker	33pcs/type B ; 53pcs/type C @ 230Vac
Output	Ripple requirement (Flickering or llickering-Free)	Flicker value: less than 2% for whole dimming range
	Output Voltage Range	6-58VDC
	No Load Voltage	68VDC Max.
	Output Current	250MA(6-58V)/350MA(6-58V)/400MA(6-58V) /450MA(6-58V)/500MA(6-58V)/550MA(6-55V) /600MA(6-50V)/700MA(6-43V)

	Constant current accuracy	±5%
	Max. Output Power	30W
	Efficiency	≥86% (230VAC, full load)
	Started Delay Time	≤1S (230VAC, full load)
Control Method	Primary PUSH Dimming	Primary PUSH dimming (Max. lead length: 20m)
	1-10V (0-10V) Dimming	1-10V dimming (Port current < 1mA) no turn off function (Max. lead length: 20M)
	Dimming range	Primary PUSH & DALI dimming: 0%-100% 1-10V dimming: 2%-100%
	Primary PWM Dimming	1-10V port PWM dimming (3KHz-8KHz)
	Potentiometer	Yes, 100kΩ
	DALI Dimming	DALI dimming (Max. lead length: 300M)
Protection	Input Over voltage Protection	300V AC 50Hz/60Hz 2Hours
	Output Over voltage Protection	N/A
	Output over load protection	Yes
	Output no load protection	N/A (Can be inquired)
	Output over temperature protection	Yes, without self recovery function (Can be inquired)
	Output short circuit protection	Yes, without self recovery function (Can be inquired)
	Insulation voltage	I/P to O/P, 3KVac/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250 μA
Environment	Ta/Operation Temperature/ humidity	-25~50℃, Humidity: 85% (Non-condensing)
	Ts/Storage Temperature	-40~80℃
	Tc/Enclosure Temperature	85℃
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Independent installation
	PRI Wire preparation	0.75-1.5 [□]
	SEC Wire preparation	0.75-1.5 [□]
	Dimension	103*67*22mm (L*W*H)
Standards	Certification	complied to CE
	Safety Standards	EN61347-1:2015, EN61347-2-13:2014/A1:2017, EN62493:2015
	EMC Standards	EN55015:2013/A1:2015, EN61000-3-2:2014, EN61000-3-3:2013, EN61547:2009
	DALI protocol standard	IEC62386-102 IEC62386-207
	Surge	L-N/1KV (L/N)-PE/2KV
Others	RoHS	complied to 2011/65/EU

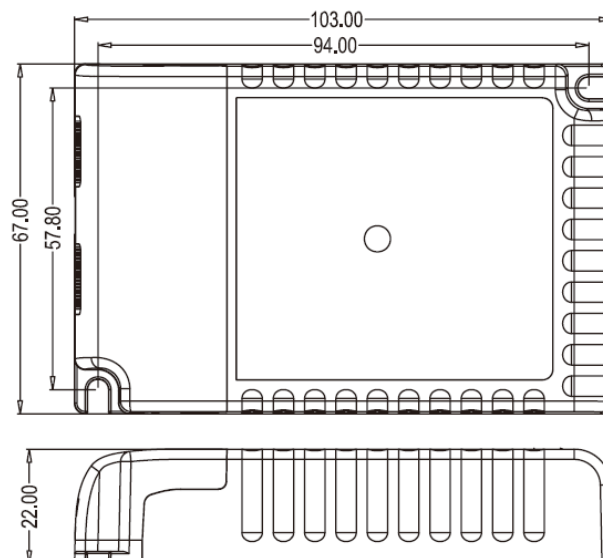
Blackout memory function	Yes, PUSH blackout memory
PUSH Dimming synchronization	15 units Max.
Packaging requirement	white box+ Instructions Clapboard Outer Carton (K=A)
Life Time	50000h @50°C (Ta) / @85°C (Tc)
Warranty	5years , F.R. < 10000ppm

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.

2. Label



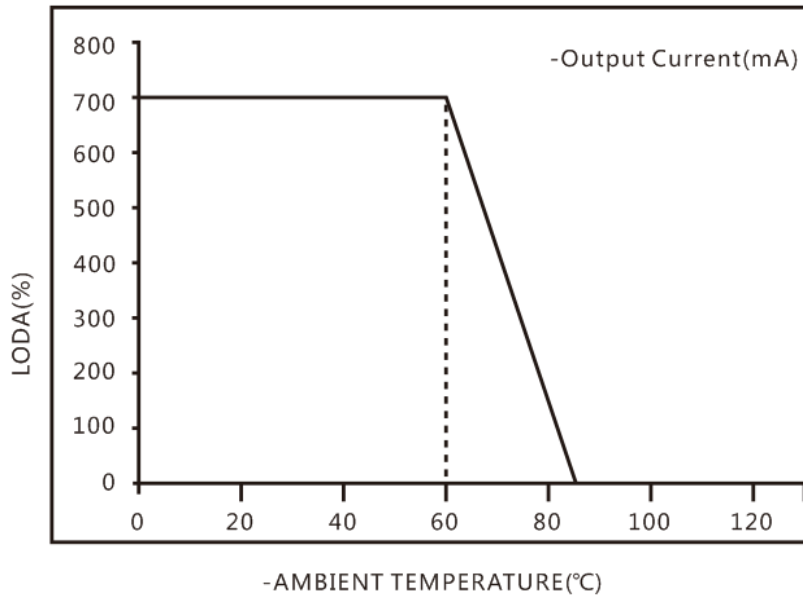
3. Dimension (Unit: mm)



4. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
447*240*200	76	0.142	10.792	12.3

5. Derating



6. Wiring Diagram

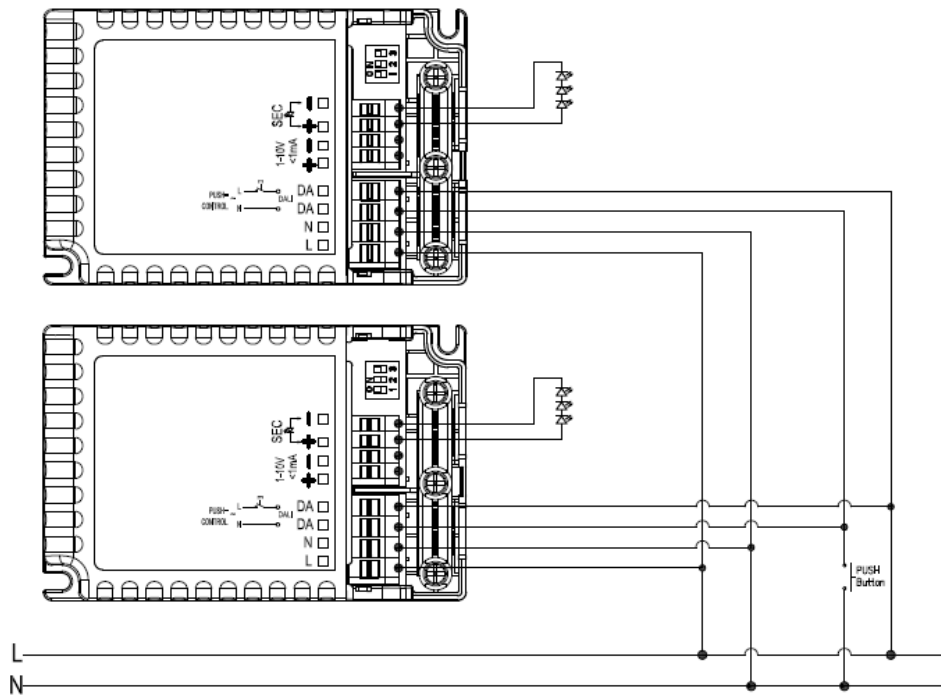


Fig. A: Push Dimming (High voltage)

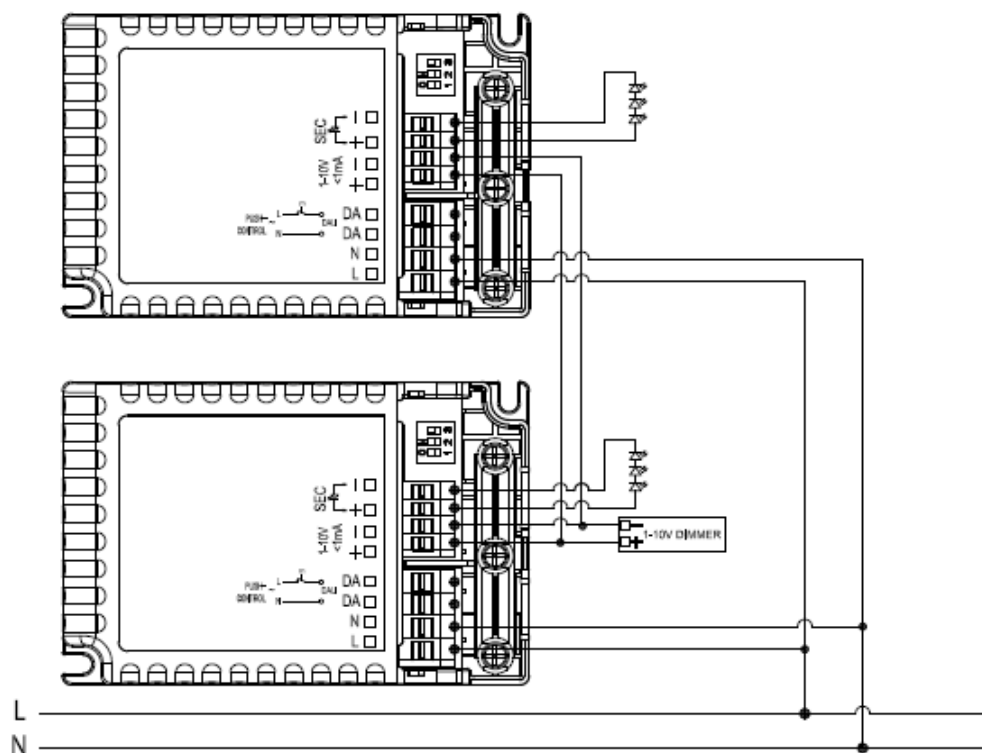


Fig. B: 1-10V Dimming

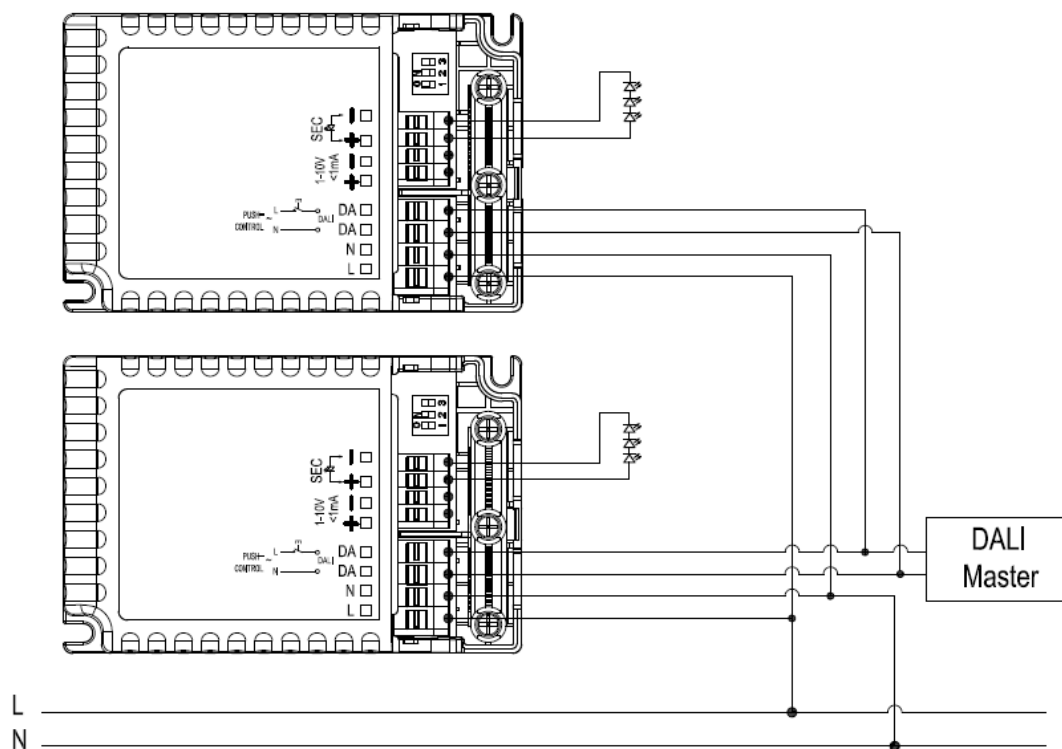


Fig.C: DALI Dimming