

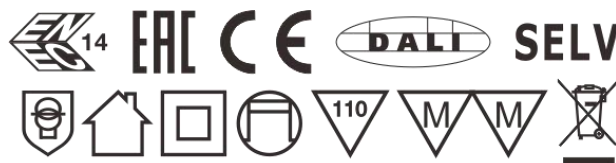


CC20W250-700CG DALI/1-10V



Constant Current & Dimmable Driver

Model: CC20W250-700CG 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
CC20W250-700CG DALI	700mA	0.13A	23W	1.5-20W	0.9	86%	6-60V

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: 1%-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	≤0.13A (@198VAC, full load)
	Input Power	≤23W (@230VAC, full load)
	Power Factor	≥0.90 (@230VAC, full load)
	THD	≤20% (@230VAC, output load >50%)
	Stand-by Power	≤0.5W (@230VAC when PUSH or DALI turn off)
	Inrush Current	10A(twidth=50us measured at 50% Ipeak (@230Vac)(Cold start full load)
	Connected quantity of 16A Breaker	50pcs/type B ; 80pcs/type C @ 230Vac
Output	Ripple requirement (Flickering/Flickering-Free)	Flicker value:less than 2% for whole dimming range
	Ripple current	±5% (@230Vac, full load)
	Output Voltage Range	6-60VDC
	No Load Voltage	68VDC Max.
	Output Current	250mA (6-60V) 350mA (6-58V) 500mA (6-40V) 700mA(6-28.5V)
	Constant current accuracy	±5%

	Max. Output Power	20W
	Efficiency	≥86%(230VAC, 500mA current of full load)
	Start up Time	≤1S (230VAC, full load)
Control Method	Primary PUSH dimming	Primary PUSH dimming (Max. lead wire length: 20m)
	1-10V (0-10V) dimming	1-10V dimming (Port current<1mA), (Max. lead wire length: 20m)
	Dimming range	Primary PUSH & DALI dimming: 0%-100% 1-10V dimming: 1%-100%
	Secondary PWM dimming	1-10V port PWM dimming (3KHz-8KHz)
	Potentiometer	Yes, 100kΩ
	DALI function	DALI dimming (Max. lead wire length: 300m) logarithm or linear dimming curve selectable
Protection	Short Circuit Protection	Yes,reset power on to recover
	Overload Protection	300VAC,50/60Hz,2 hours
	No-load Protection	Yes
	Over temperature Protection	Yes,reset power on to recover
	Insulation voltage	I/P to O/P , 3KVac/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250μA
Environment	Ta/Operation Temperature/humidity	-25~50℃,humidity:20%-85%(Non-condensing)
	Ts/Storage Temperature/humidity	-40~80℃,humidity:10%-95%
	Tc/Enclosure Temperature	85 ℃
	Humidity	10%....90%RH
	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	150*52*28mm (L*W*H)
Standards	Certification	ENEC CE
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017,E N62493:2015
	EMC Standards	EN55015:2013/A1:2015,EN61000-3-2:2014,EN6 1000-3-3:2013,EN61547:2009
	DALI standard	IEC62386-102,IEC62386-207
	Surge	L-N/1KV (L/N)-PE/2KV
Others	RoHS	complied to 2011/65/EU
	Memory function	Yes (PUSH with memory function)
	PUSH dimming synchronization	15 units Max.
	Packaging requirements	PE bag+whitebox+Instruction+clapboard+outer

		carton(K=A)
	Life Time	50000h Ta / 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

☐ L
☐ L
☐ N
☐ N

KGP
KGP Electronics GmbH
Hueckstraße 19
DE-58511 Lüdenscheld

Input Voltage:220-240Vac
Input Frequency:50/60Hz
Power Factor(λ):>0.9
Uo:Max. 68Vdc
Tc:85°C Ta:-25to+50°C

DA L
DA N

0.75-1.5
8mm

SELV

Before use, always check DIP switch settings.

Multifunction Dimmable LED Driver
CC20W250-700CG DALI

DALI

• tc		
Io(mA)	Uo(Vdc)	Po(W)
250	9-60	2.2-15
350	9-58	3.1-20
500	9-42	4.5-21
700	9-30	6.3-21

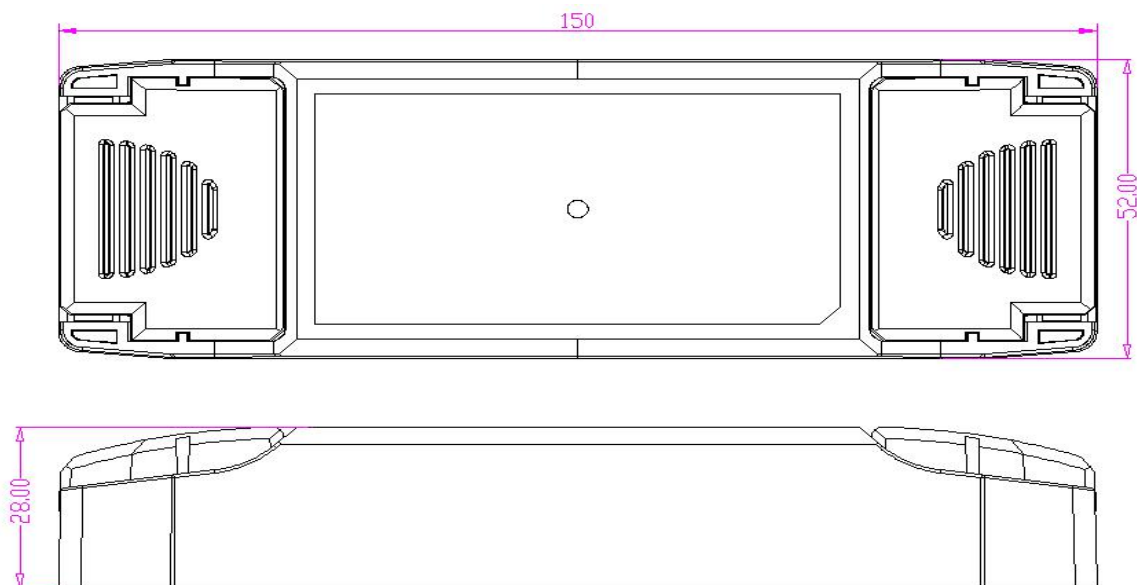
Output Current Setting

	1	2	3
700mA	ON	ON	ON
500mA	ON	ON	OFF
350mA	ON	OFF	OFF
250mA	OFF	OFF	OFF

ON OFF

1 2 3

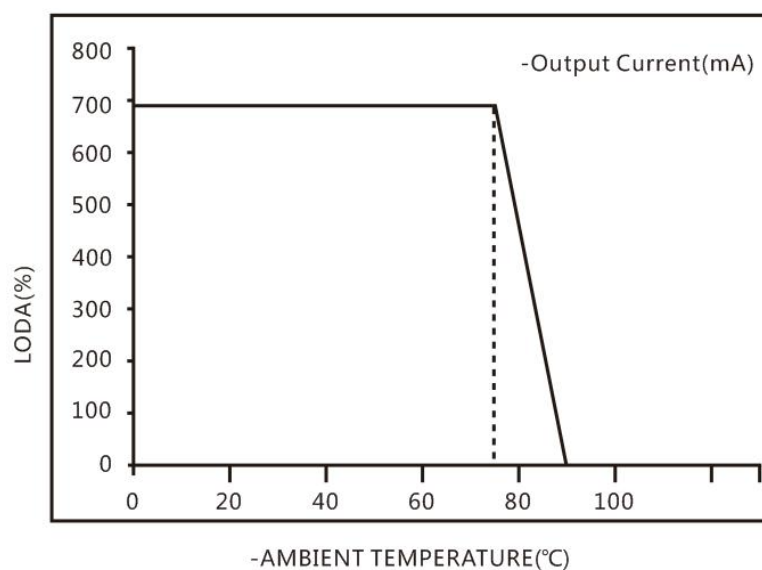
3. Dimension (Unit: mm)



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	50	0.142	7.1	8.77

5. Derating



6. Wiring Diagram

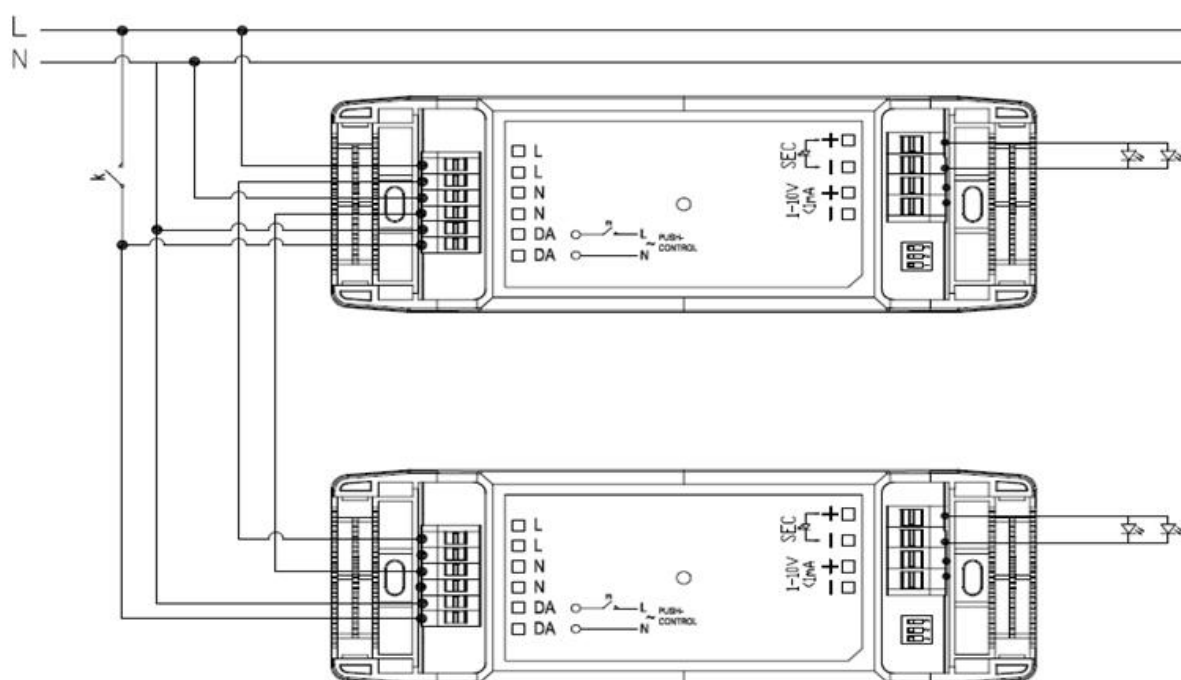


Fig. A: Push Dimming (High voltage)

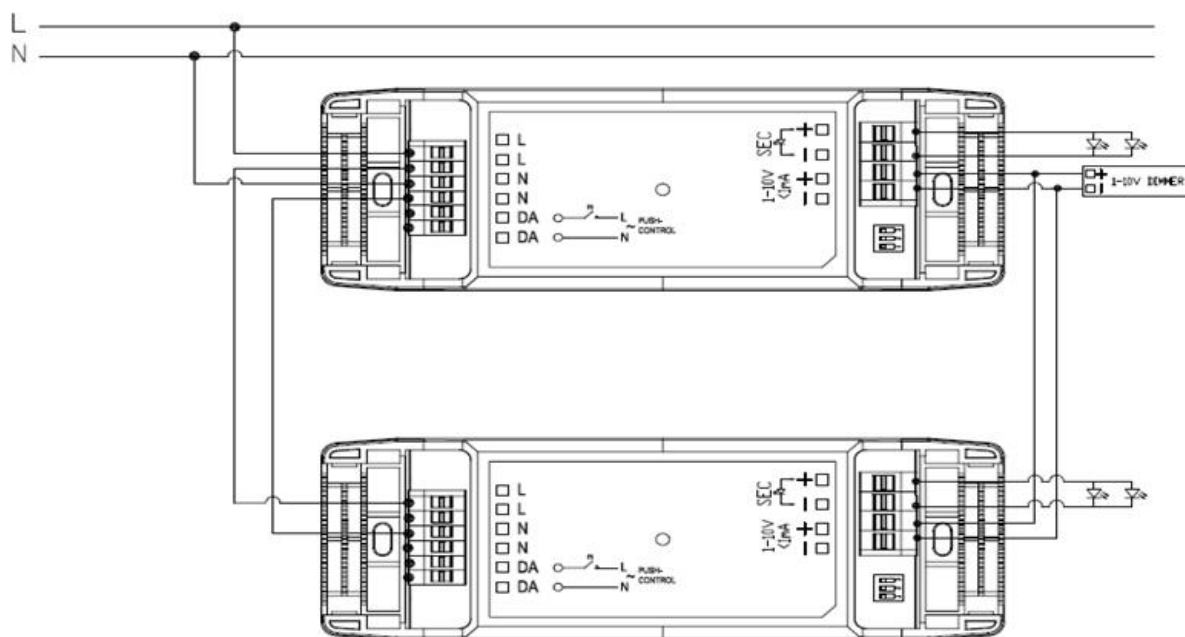


Fig. B: 1-10V Dimming

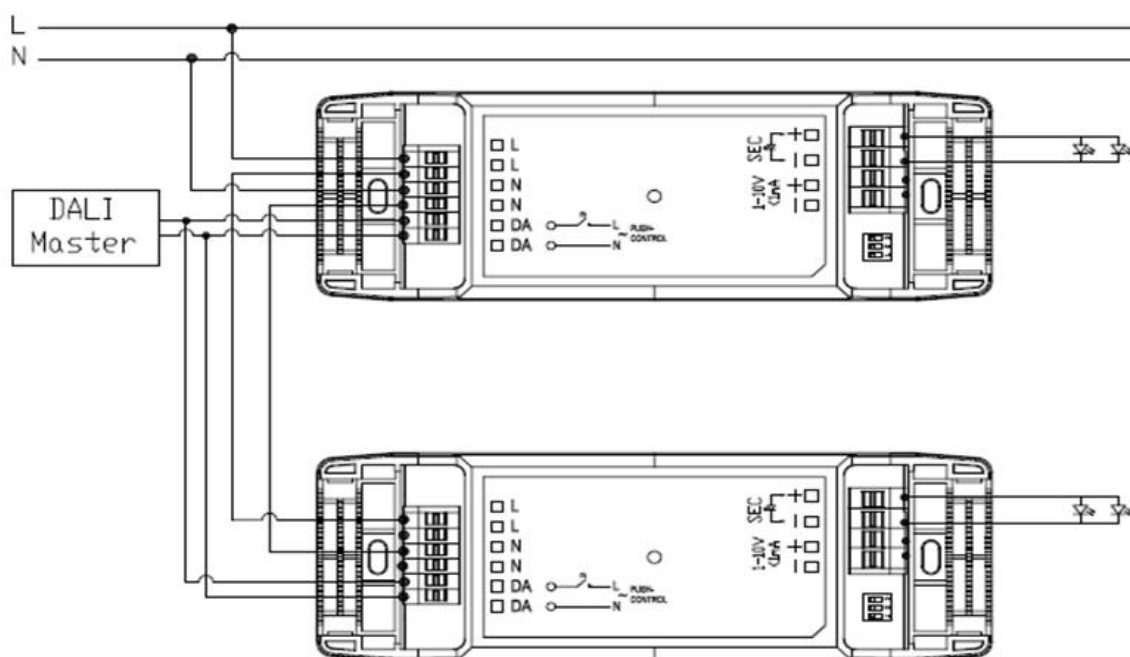


Fig.C: DALI Dimming