



CC12W350-700CG DALI

Constant Current Dimmable Driver

Model: CC12W350-700CG 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
CC12W350-700CG DALI	700mA	0.07A	15W	12W	0.92	83%	3-24V

1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	DALI
	Dimming Range	Primary PUSH & DALI 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	≤0.07A (230VAC, full load)
	Input Power	≤15W (230VAC, full load)
	Power Factor	≥0.92 (230VAC, full load)
	THD	≤13% (230VAC, full load)
	No-load Power	≤0.5W
	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	60pcs/type B ;80pcs/type C @ 230Vac
Output	Ripple requirement (Flickering or llickering-Free)	Flicker value: less than 2% for whole dimming range
	Output Voltage Range	3-24VDC
	No Load Voltage	32VDC Max.
	Output Current	350mA(3-24) 500mA(3-24) 550mA(3-22) 7000mA(3-17)
	Constant current accuracy	±5%
	Full load output power	12W

	Efficiency	≥83% (230VAC, full load)
	Started Delay Time	≤1S (230VAC, full load)
Control Method	Primary PUSH dimming	Primary PUSH dimming (maximum lead length: 20M)
	DALI Dimming	Yes
Protection	Input over voltage protection	300V AC 50Hz / 60Hz 2h
	Output no-load protection	Yes, self-recovery (with query function)
	Output over-temperature protection	Yes, non-recoverable (with query function)
	Output short circuit protection	Yes, non-recoverable (with query function)
Environment	Ta/Operation Temperature/ humidity	-25+50℃, Humidity: 85% (Non-condensing)
	Ts/Storage Temperature	-40℃... + 80℃ 10 ~ 95% RH (non-condensing)
	Tc/Enclosure Temperature	85℃
Construction	Connection Method	Push-in Terminal
	Installation	Independent installation
	PRI Wire preparation	0.75-1.5mm ²
	SEC Wire preparation	0.75-1.5mm ²
	Dimension	88*52*25.5mm
Standards	Certification	ENEC CE
	Safety Standards	EN61347-1, EN61347-2-13, EN62493, EN60598-1
	EMC Standards	EN55015 EN61547 EN61000-3-2 EN61000-3-3
	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 @Ta/Tc
	Warranty	5years, F.R. < 10000ppm

Remark: 1. All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ 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

KGP
KGP Electronics GmbH
Hueckstraße 19 DE-58511
Lüdenscheid Germany

• tc

DALI **EAC**

DALI Dimmable LED Driver
CC12W350-700CG DALI

U_{in}: 220-240Vac Freq: 50/60Hz

U_o max: 32Vdc tc: 85°C

ta: -25 ~ +50°C PF: 0.92C

P_o max.: 12W

SELV **14**

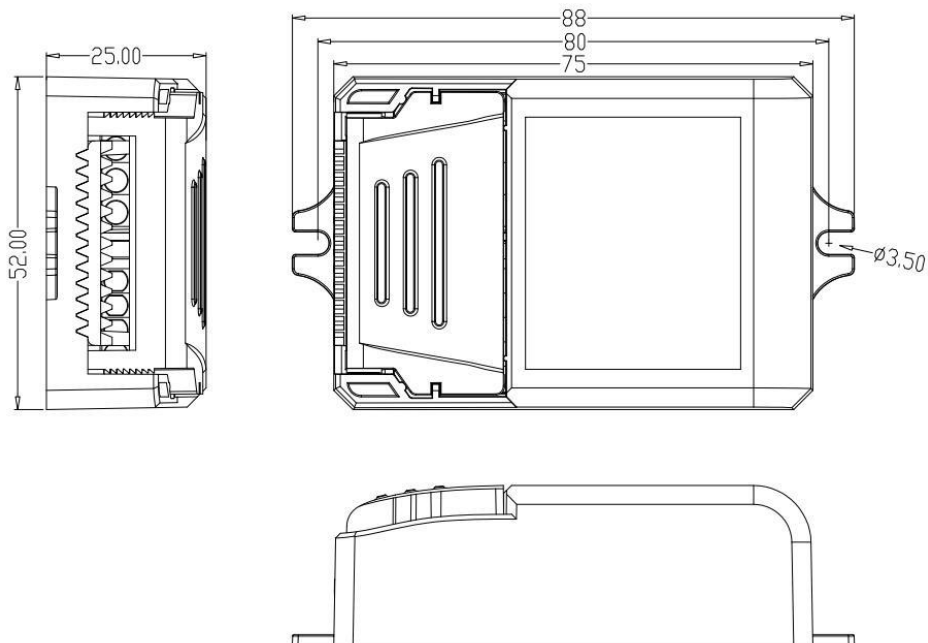
Wiring diagram: L, N, DA, DA, PUSH, N

Wire preparation: 0.75-1.5mm, 8mm

U _o (Vdc)	mA	J1	J2
3-24	350	ON	ON
3-24	500	ON	ON
3-22	550	ON	ON
3-17	700	ON	ON

SEC - + J1 J2

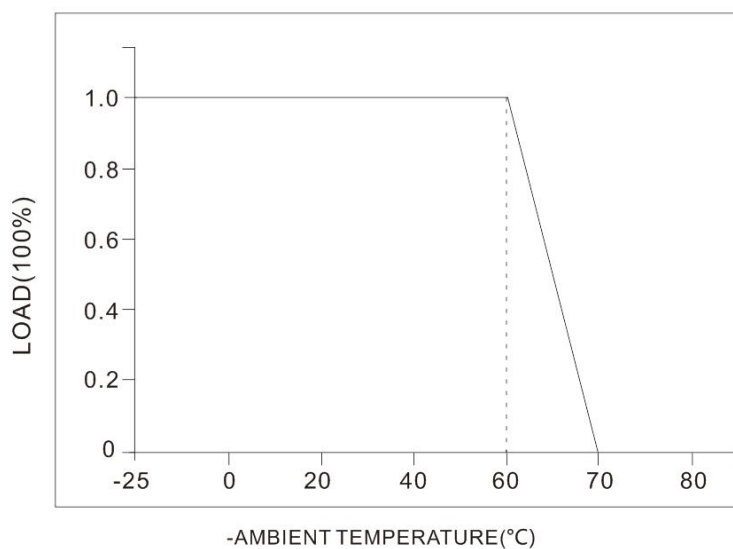
3.Dimension (Unit: mm)



4.Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
380*290*180	100	0.105	10.5	12

5.Derating



6. Wiring Diagram

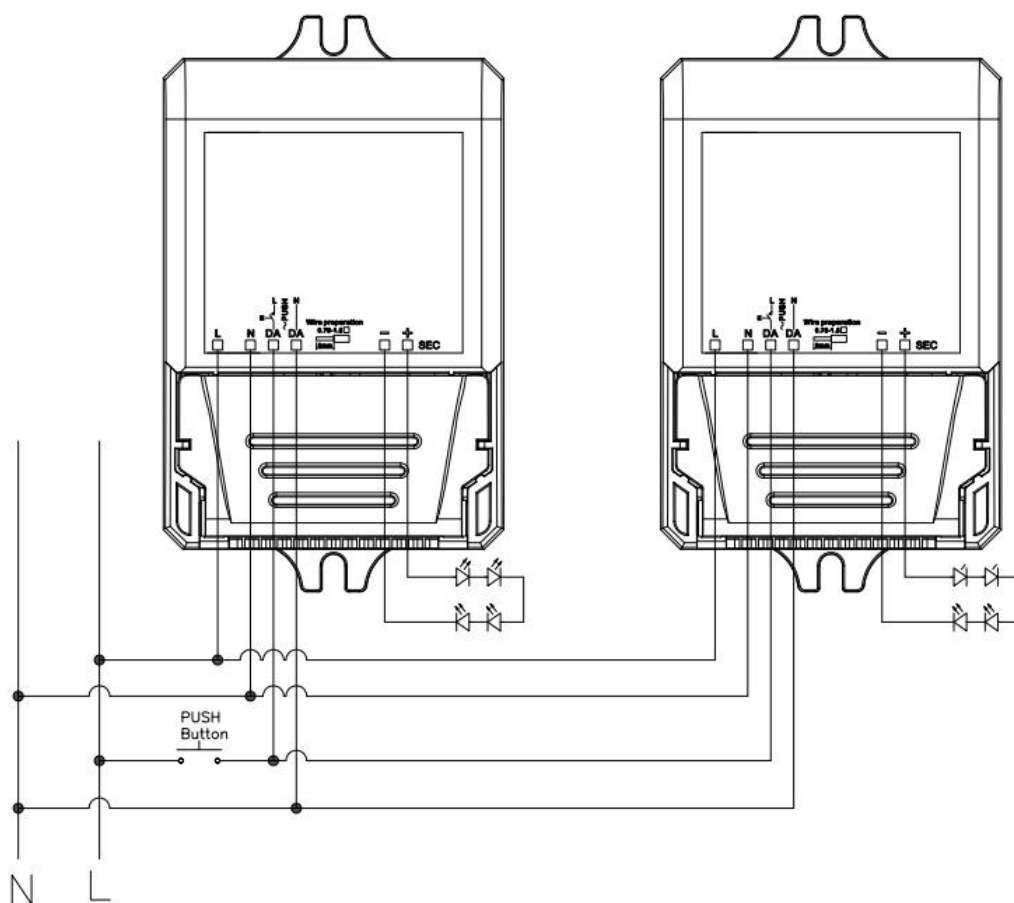


Fig. A: Push Dimming (High voltage)

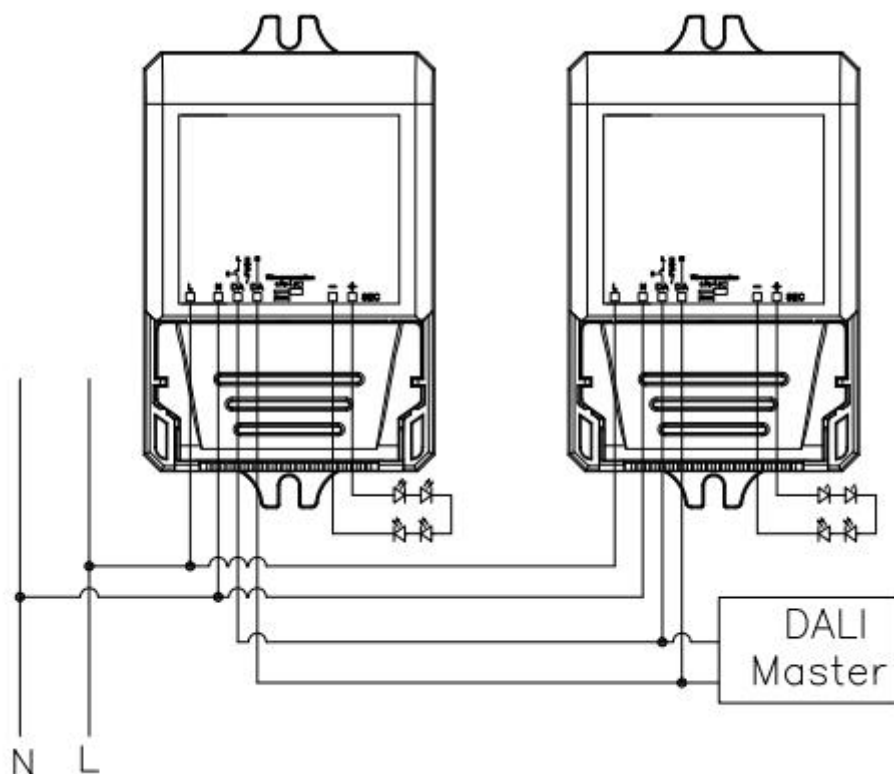
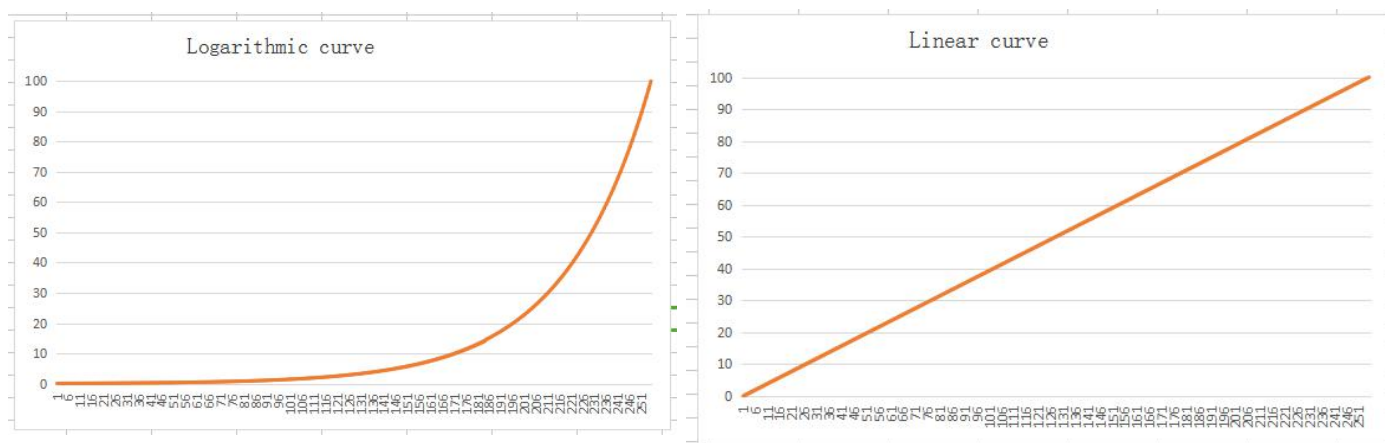
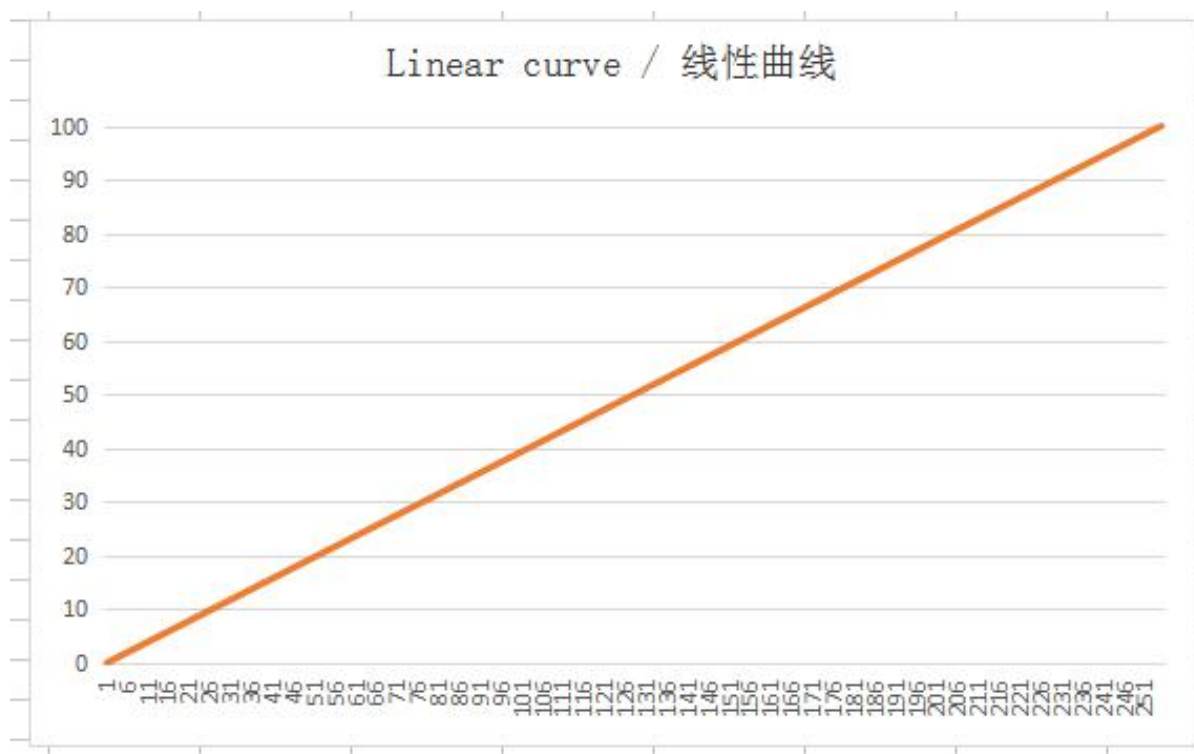


Fig.B: DALI Dimming

7. Dimming curve





8. Current gear setting

Uo(Vdc)	mA	J1	J2
3-24	350	☐	☐
3-24	500	ON	☐
3-22	550	☐	ON
3-17	700	ON	ON

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