



CC40W500-1050CG DALI

Constant Current Dimmable Driver

Model: CC40W500-1050CG 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
CC40W500-1050CG DALI	1050mA	0.22A	47W	4.5-39.9W	0.95	85%	9-58V

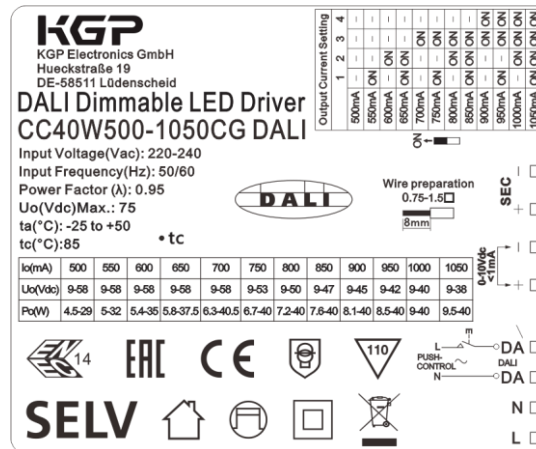
1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	DALI 2
	Dimming Range	Primary PUSH & DALI dimming: 0%-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	≤0.22A (230VAC, full load)
	Input Power	≤47W (230VAC, full load)
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤13% (230VAC, full load)
	No-load Power	≤1W
	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	32pcs/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	9-58VDC
	No Load Voltage	75VDC Max.
	Output Current	500m(9-58V) 550m(9-58V) 600mA(9-58V) 650mA(9-58V) 700mA(9-58V) 750mA(9-53V) 800mA(9-50V) 850mA(9-47V) 900mA(9-45V) 950mA(9-42V) 1000mA(9-40V) 1050mA(9-38V)
	Constant current accuracy	±5%

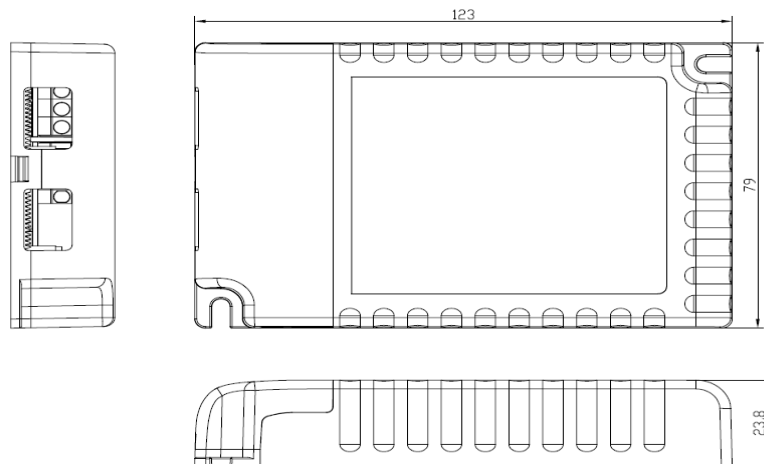
	Full load output power	40W
	Efficiency	≥85% (230VAC, full load)
	Started Delay Time	≤0.5S (230VAC, full load)
Control Method	Primary PUSH dimming	Yes, Primary PUSH dimming (Maximum lead length: 20M)
	1-10V (0-10V) dimming	Yes, secondary 0-10V dimming, the darkest below 1V does not turn off
	Dimming range	2%-100%
	Potentiometer dimming	100K Potentiometer
	DALI dimming	Yes (max lead length: 300m)
Protection	Output over load protection	Yes
	Output no load protection	Yes, self-recovery (with query function)
	Output over temperature protection	Yes, without self recovery function (Can be inquired)
	Output short circuit protection	Yes, without self recovery function (Can be inquired)
Environment	Ta/Operation Temperature/ humidity	-25+50°C, Humidity:85% (Non-condensing)
	Ts/Storage Temperature	-40 °C... + 80 °C 10 ~ 95% RH (non-condensing)
	Tc/Enclosure Temperature	85 °C
	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	123*79*23.8mm (L*W*H)
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°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



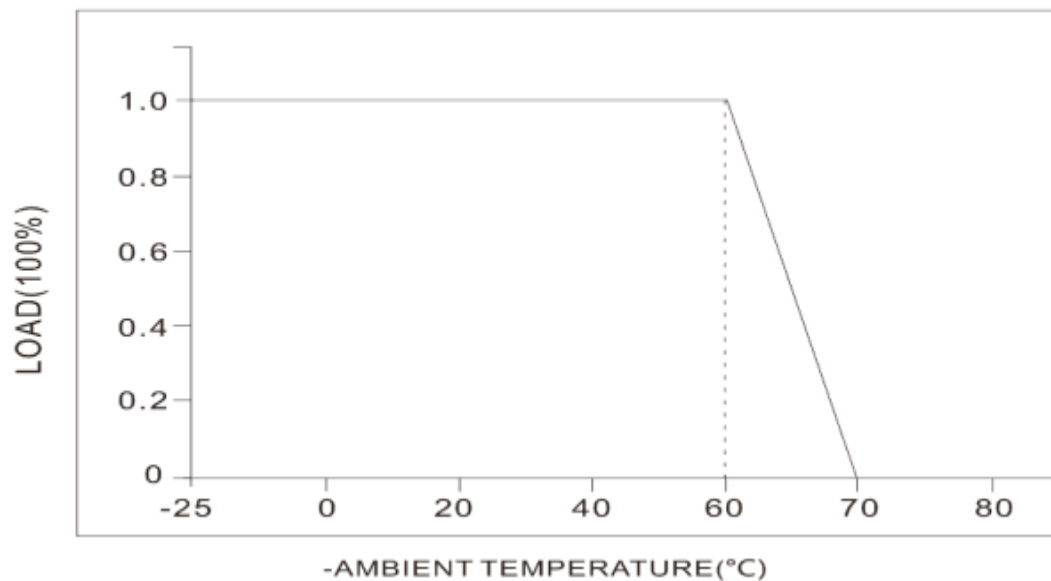
3. Dimension (Unit: mm)



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	50	0.18	9.0	10.5

5. Derating



6. Wiring Diagram

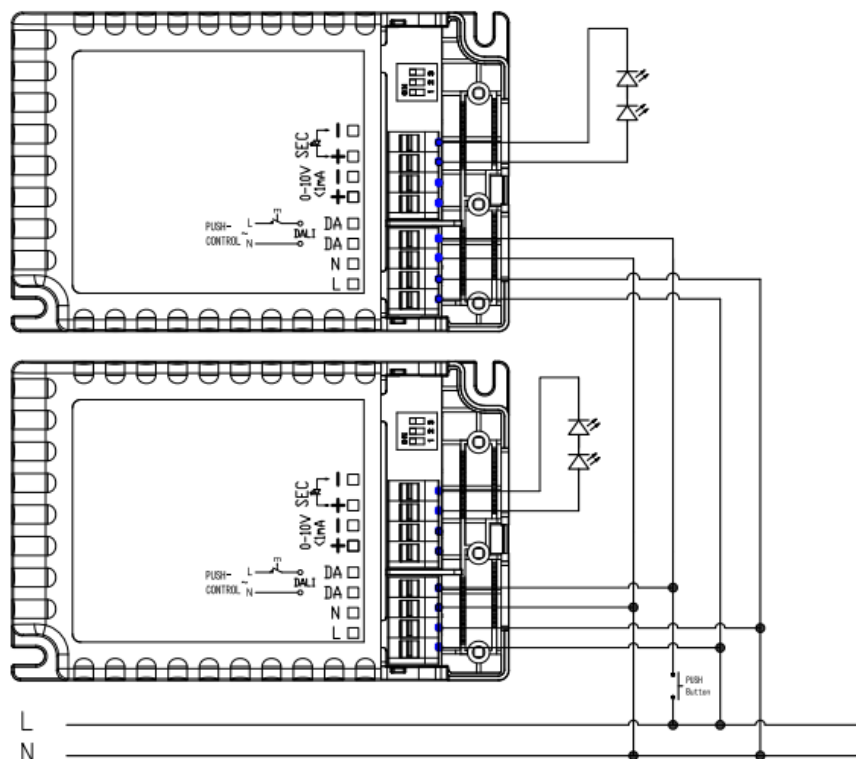


Fig. A: Push Dimming (High voltage)

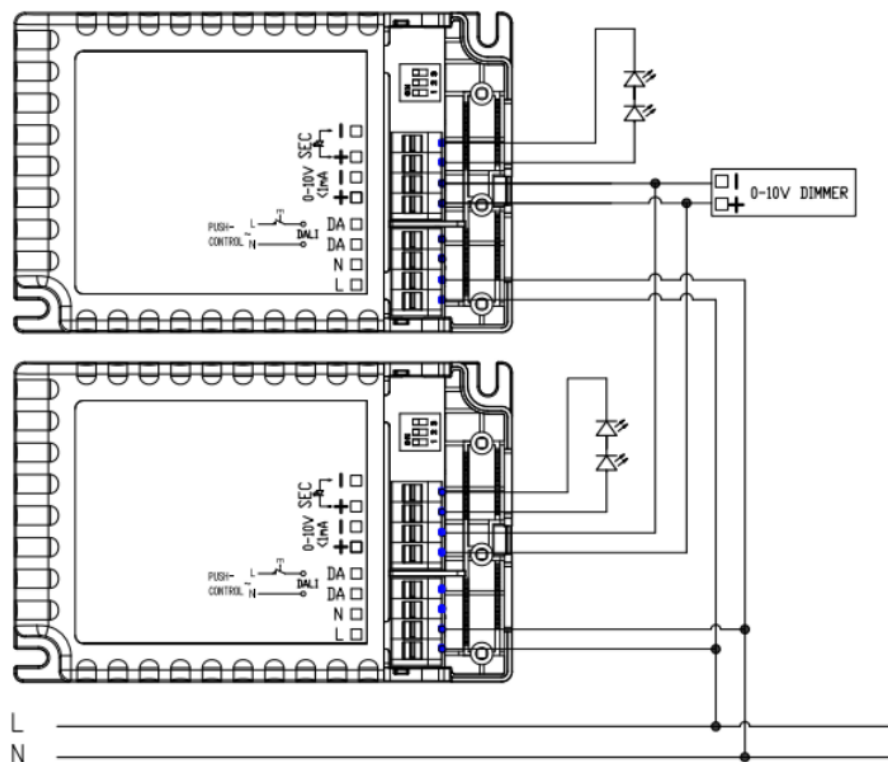


Fig. B: 1-10V Dimming

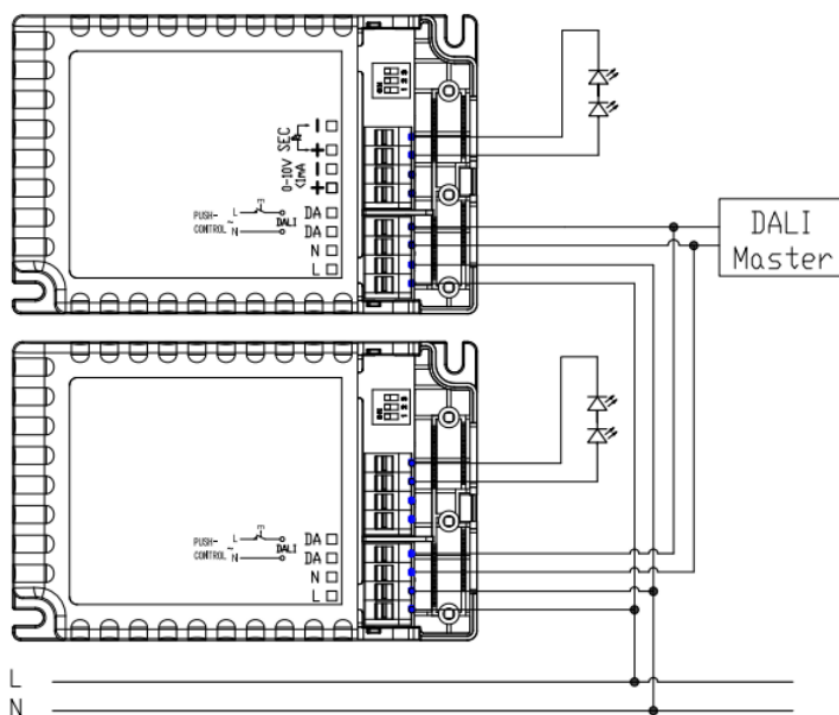
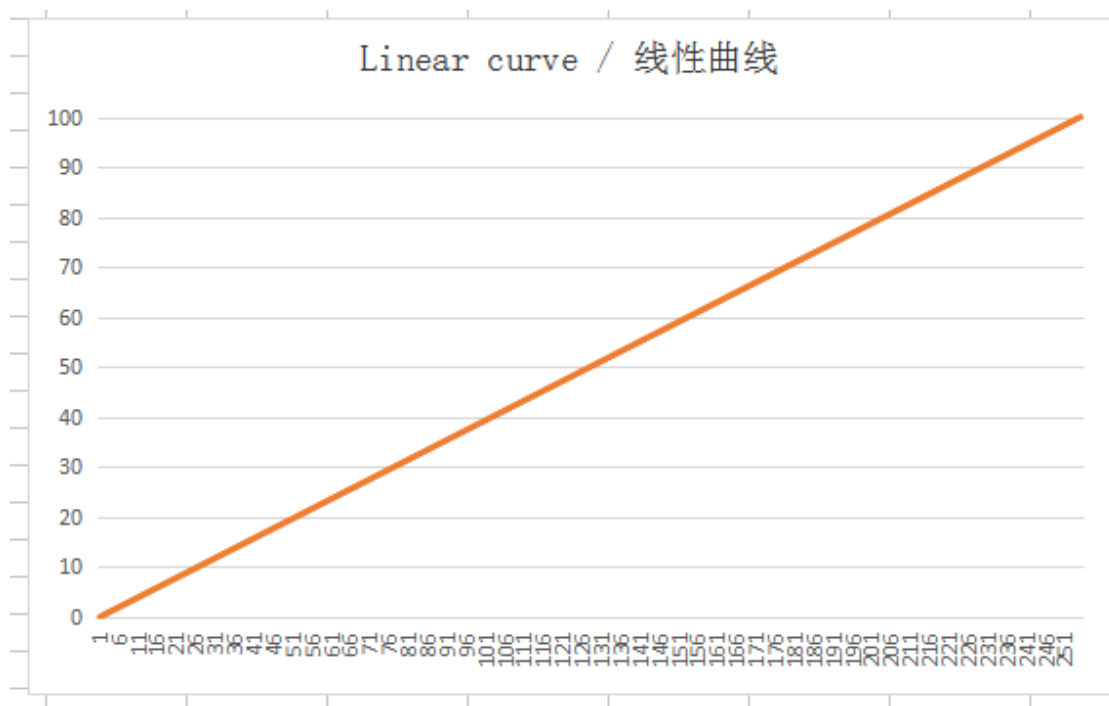
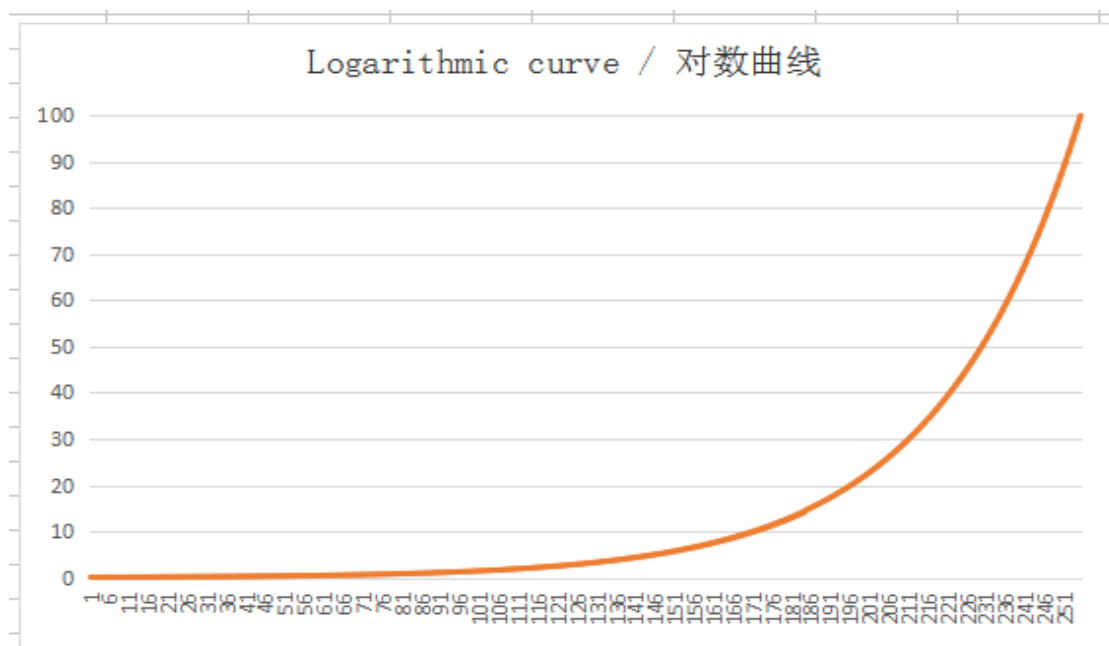


Fig.C: DALI Dimming

7. Dimming curve



8. Current gear setting

Current / voltage gear setting	1	2	3	4
1050MA	ON	ON	ON	ON
1000MA	-	ON	ON	ON
950MA	ON	-	ON	ON
900MA	-	-	ON	ON
850MA	ON	ON	ON	-
800MA	-	ON	ON	-
750MA	ON	-	ON	-
700MA	-	-	ON	-
650MA	ON	ON	-	-
600MA	-	ON	-	-
550MA	ON	-	-	-
500MA	-	-	-	-