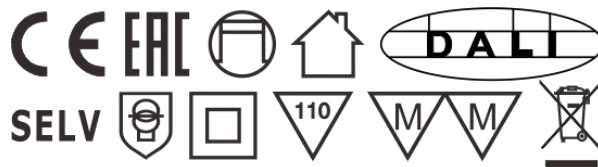




CV75W12CG DALI/1-10V

Constant Voltage & Dimmable Driver

Model: CV75W12CG 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
CV75W12CG DALI	6250mA	0.5A	88W	22-75W	0.9	84%	12V

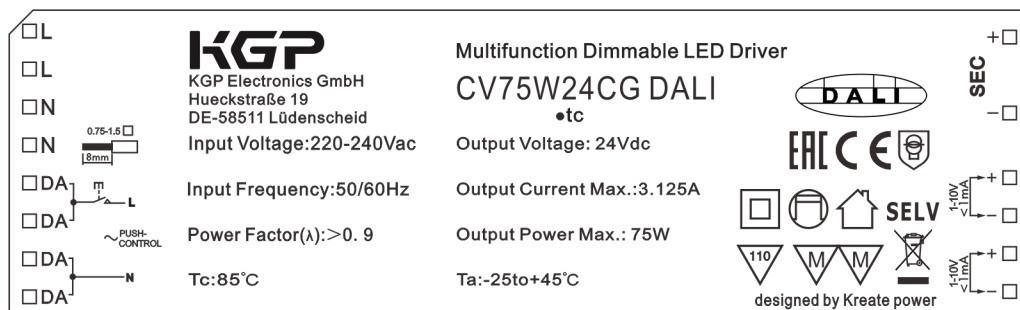
1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Voltage
	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	≤0.5A (230VAC, full load)
	Input Power	≤88W (230VAC, full load)
	Power Factor	≥0.90 (230VAC, full load and without dimmer)
	THD	≤20% (230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	15A (twidh=100us measured at 50% Ipeak @230Vac (Cold start 100% load)
	Connected quantity of 16A Breaker	32pcs/type B ; 53pcs/type C @ 230Vac
Output	Flickering Rate	Ripple level less than 2%for whole dimming range
	Output Voltage Range	11.4-12VDC
	Rated Output Voltage	12VDC Max.
	Output Current	6.25A Max.
	Voltage accuracy	±5%
	Max. Output Power	75W (minimum load:22W)
	Efficiency	≥84% (230VAC, full load and without dimmer)
	Started Delay Time	≤1S (230VAC, full load)

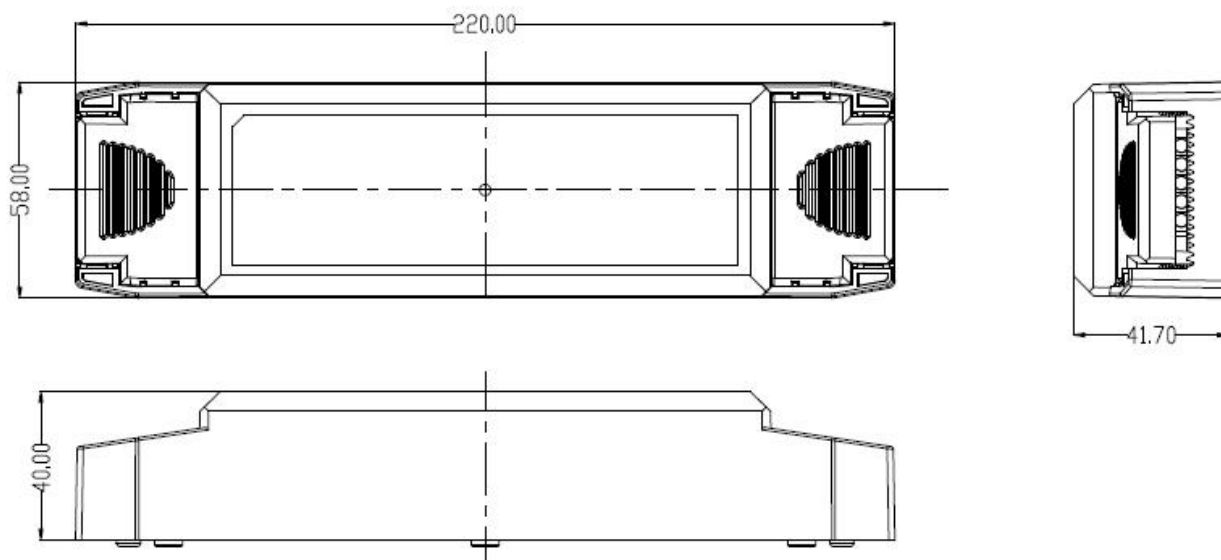
Control Method	Primary PUSH dimming	Dimming range 0%-100% , flicker≤2%
	1-10V (0-10V) dimming	Dimming range 1%-100% ,flicker≤2%
	Primary PWM dimming	1-10V port PWM dimming: Dimming range 1%-100% Frequency: 3-8KHZ
	Secondary PWM dimming	Primary PUSH & DALI dimming: 0%-100%
	Potentiometer	Yes, 100kΩ
	DALI dimming	Dimming range 1%-100% , flicker≤2%
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	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	-25....+45℃
	Ts/Storage Temperature	-40....+80℃
	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	220*58*40mm (L*W*H)
Standards	Certification	complied to 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
	Performance	EN62384
	Surge	L-N/1KV (L/N)-PE/2KV
Others	RoHS	complied to 2011/65/EU
	Blackout memory function	Yes, PUSH blackout memory
	PUSH Dimmingsynchronization	15 units Max.
	Packaging requirement	white box+ Instructions ClapboardOuter 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



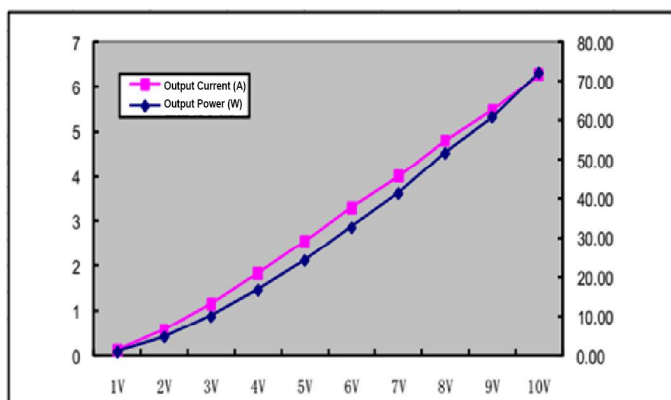
3. Dimension (Unit: mm)



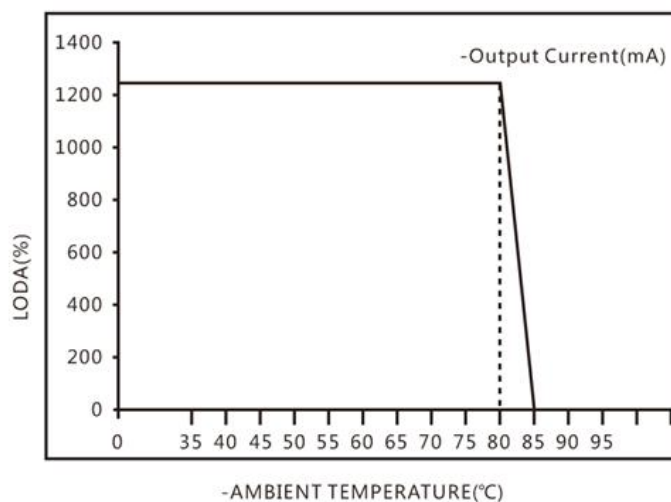
4. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
447*240*200	24	0.6	14.4	16.4

5. 1-10V Curve Diagram



6. Derating Curve Diagram



7. Wiring Diagram

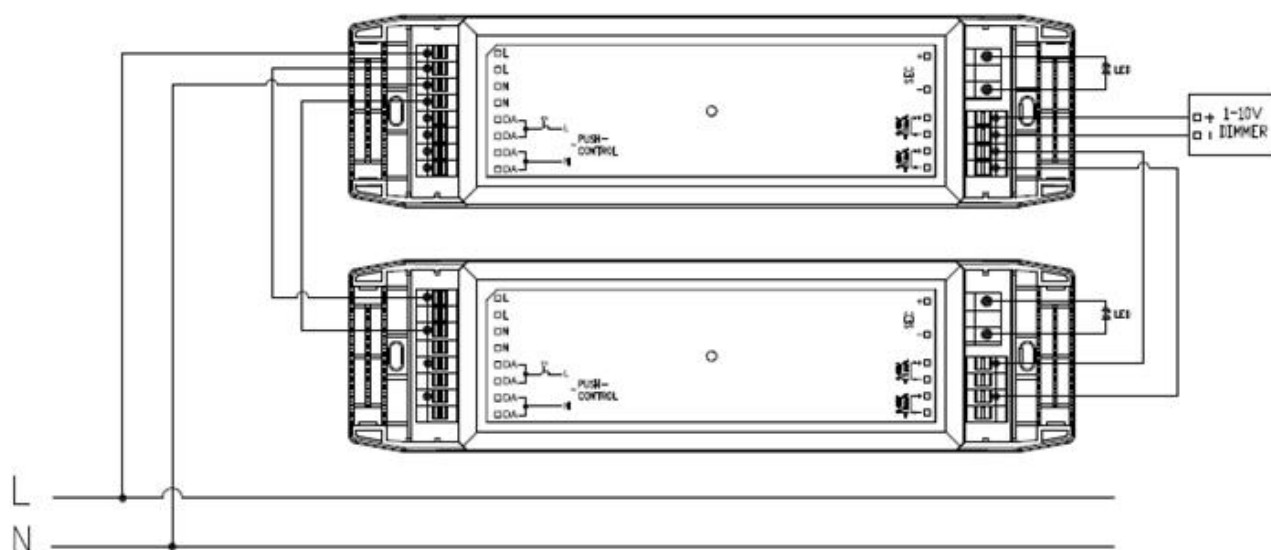


Fig. A: 1-10V Dimming

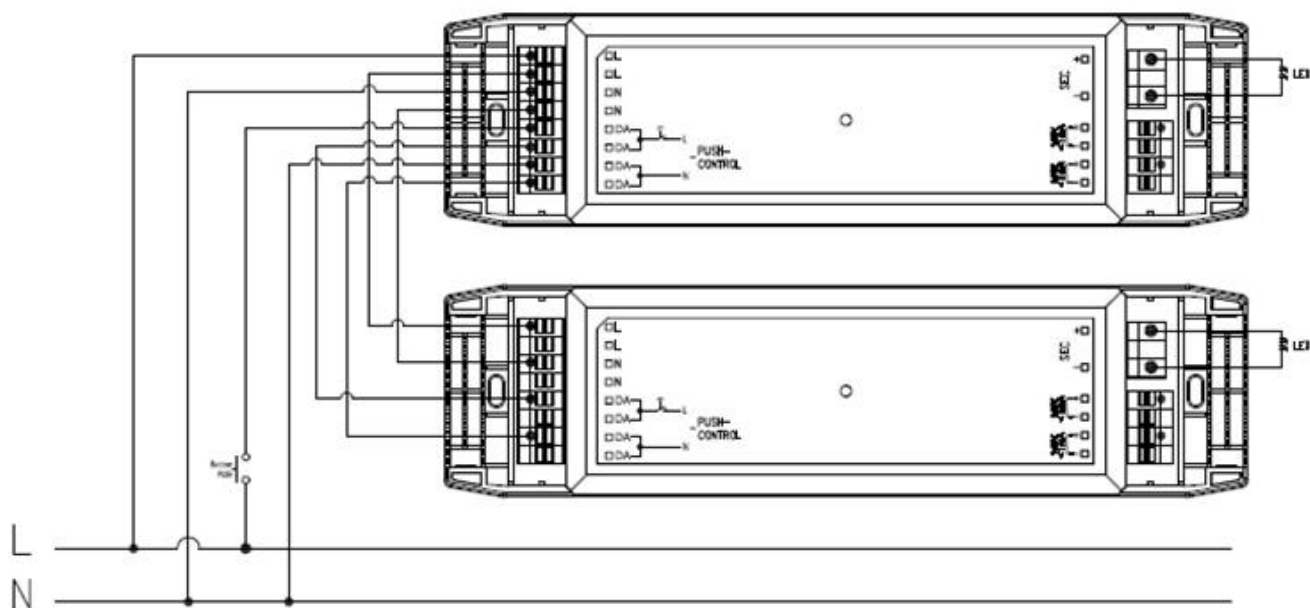


Fig. B: High voltage PUSH Dimming

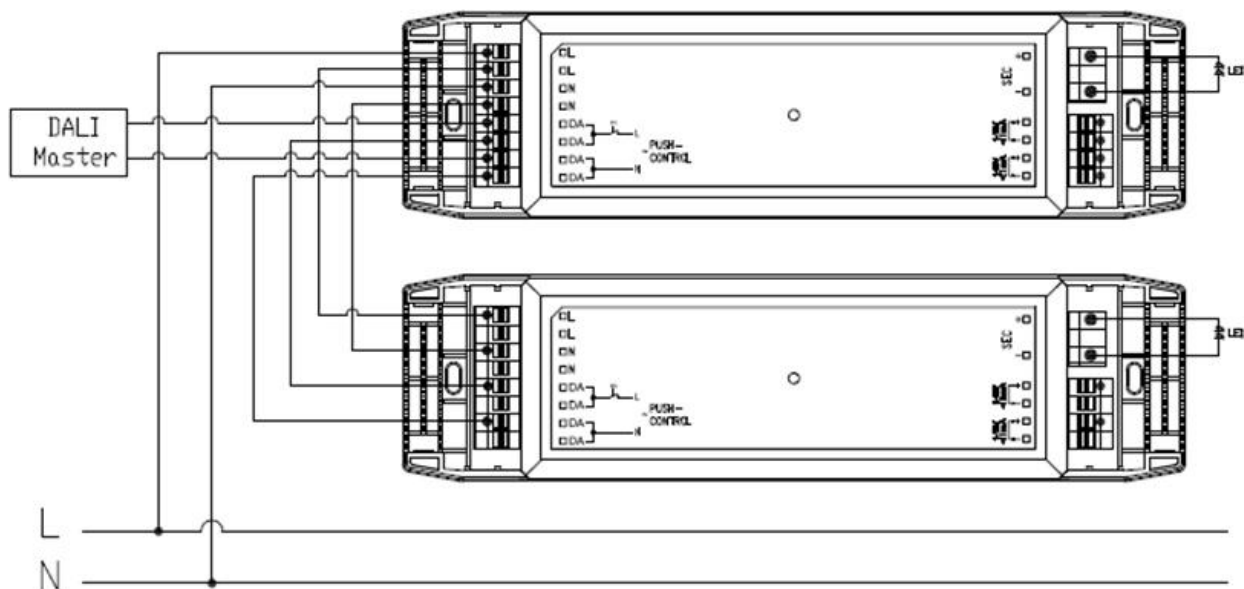


Fig. C: DALI Dimming