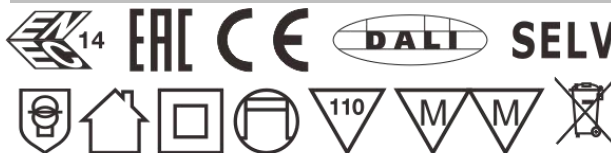




Constant Current & Dimmable Driver

Model: CC40W700-1200CG 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
CC40W700-1200CG DALI	1200mA	0.25A	46W	4.2-40W	0.9	87%	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	≤0.25A (198VAC, full load)
	Input Power	≤46W (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
	Inrush Current	15A(100Us half current)
	Connected quantity of 16A Breaker	33pcs/type B ; 53pcs/type C @ 230Vac
Output	Flickering rate	below 2% for whole dimming range
	Output Voltage Range	6-58VDC
	No Load Voltage	68VDC Max.
	Output Current	700mA(6-58V) 800mA(6-50V) 900mA(6-45V) 950mA(6-42V) 1050mA(6-38V) 1200mA(6-33V)
	Constant current accuracy	±5%
	Max. Output Power	40W
	Efficiency	≥87% (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), (Max. lead wire 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 wire length: 300m)
Protection	Abnormal protection	Output short-circuit protection (can query)
	Overheating protection	Overheating protection with auto-reset (can query)
	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...+50 °C Humidity:85% (Non-condensing)
	Ts/Storage Temperature	-40...+80 °C
	Tc/Enclosure Temperature	85 °C
	Humidity	85% Non-condensing
	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	202*58*30mm (L*W*H)
Standards	Certification	ENEC 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 standard	IEC62386-102, IEC62386-207
	Surge	L-N/1KV (L/N)-PE/2KV
Others	RoHS	complied to 2011/65/EU
	Permanent Memory	Dimming level memory at mains restores
	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

L

L

N

N

DA

DA

KGP
KGP Electronics GmbH
Hueckstraße 19
DE-58511 Lüdenscheid

Multifunction Dimmable LED Driver
CC40W700-1200CG DALI
• tc

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

Io(mA)	700	800	900	950	1050	1200
Uo(Vdc)	6-58	6-50	6-45	6-42	6-38	6-33
Po(W)	4.2-40	4.8-40	5.4-40	5.7-40	6.3-40	7.2-40

Before use, always check DIP switch settings.

Output Current Setting

1	2	3	4
700mA ON	800mA ON	900mA ON	950mA ON
1050mA ON	1200mA ON	ON	ON
700mA OFF	800mA OFF	900mA OFF	950mA OFF
1050mA OFF	1200mA OFF	OFF	OFF

ON/OFF

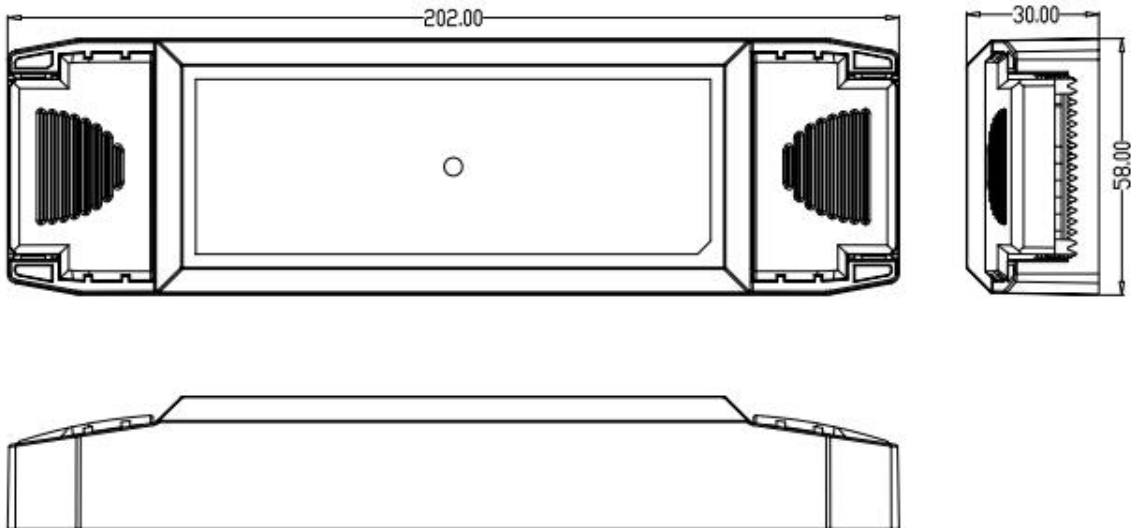
SEC

1-10Vdc <1mA

14 ENEC CE SELV

110 M M

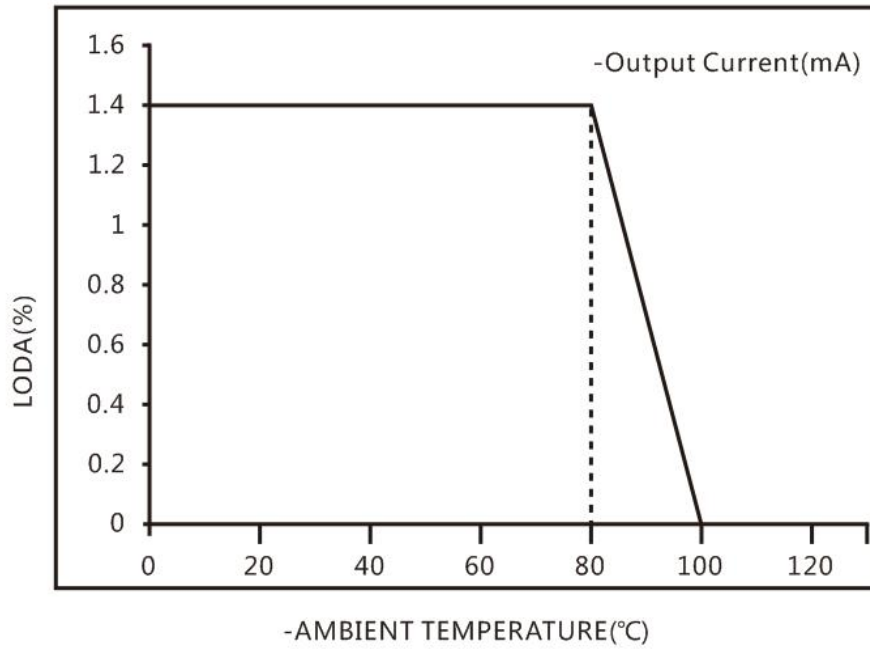
3. Dimension (Unit: mm)



4. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
420*305*175	52	0.254	13.2	14.7

5. Derating



6. Wiring Diagram

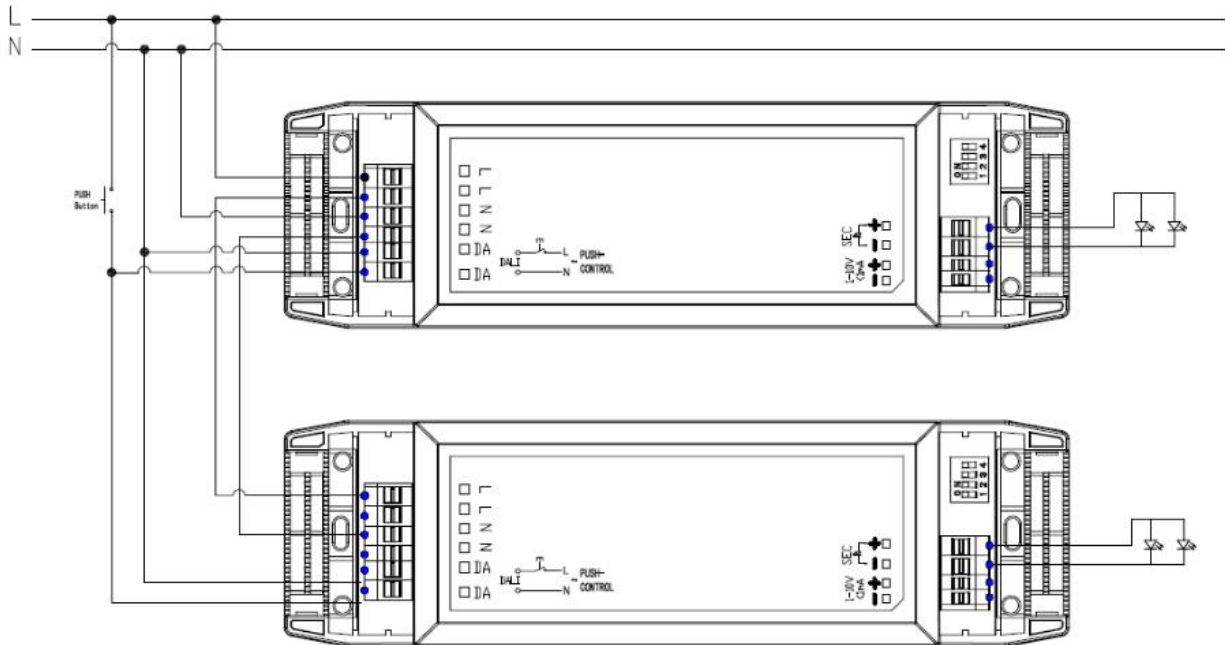


Fig.A Primary Push Dim

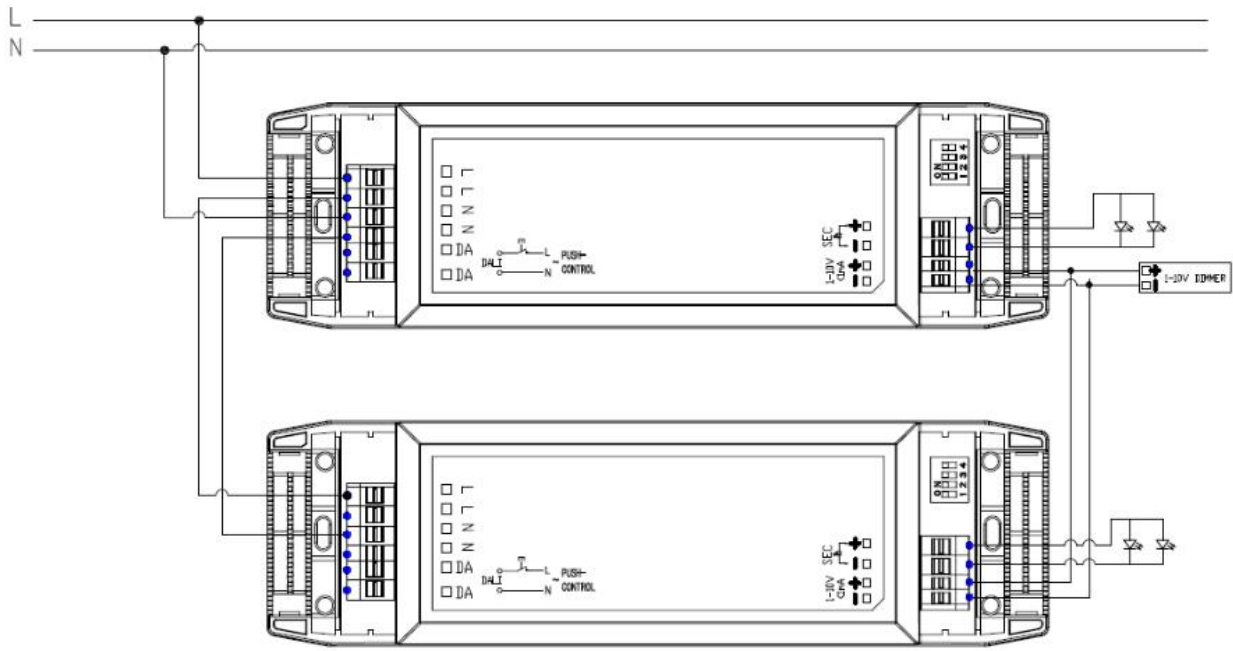


Fig.B 1-10V Dim

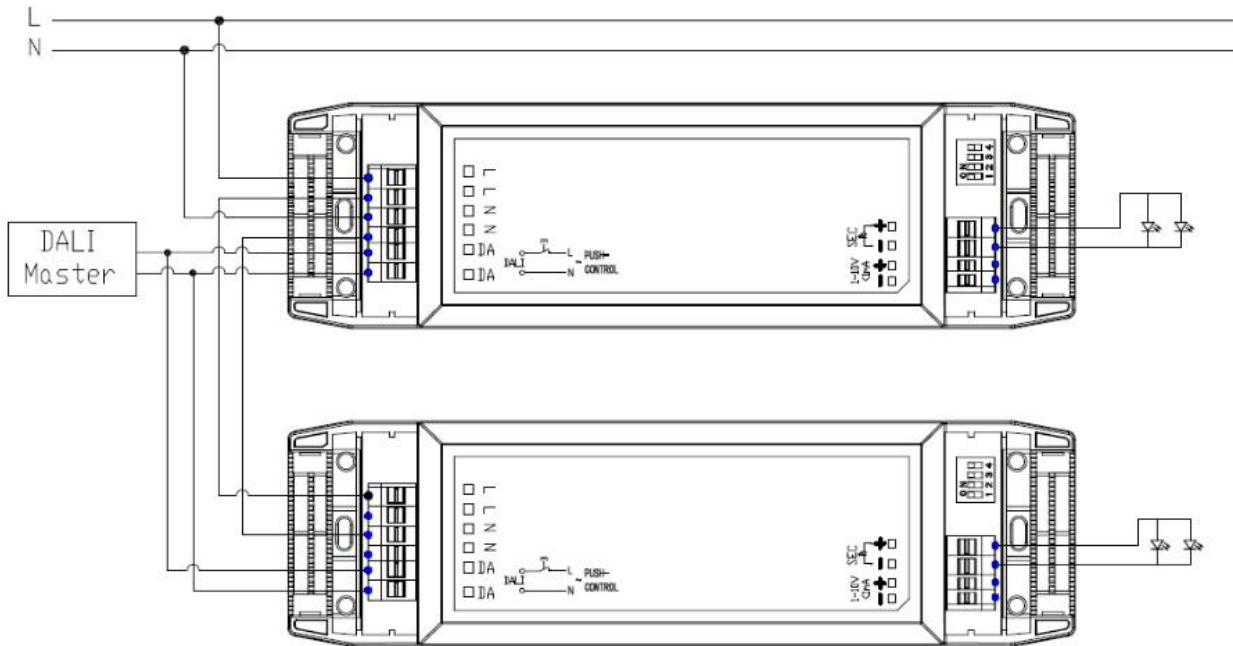


Fig.C DALI dim