

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
CC10W100-440CG DALI	440mA	0.075A	15W	0.9-12.6W	0.9	79%	9-40V

### 1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	DALI
	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	≤0.075A (230VAC, full load)
	Input Power	≤15W (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(@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 lickering-Free)	Flicker value: less than 2% for whole dimming range
	Output Voltage Range	9-40VDC
	No Load Voltage	55VDC Max.
	Output Current	100mA(9-40V)/180mA(9-40V)/270mA(9-40V) 360mA(9-36V)/440mA(9-27V)
	Constant current accuracy	±5%
	Max. Output Power	12.6W

	Efficiency	≥79% (230VAC, full load)
	Started Delay Time	≤0.5S (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)no turn off function (Max. lead 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 length: 300M)
Protection	Input Over voltage Protection	300V AC 50Hz/60Hz 2Hours
	Output Over voltage Protection	N/A
	Output over load protection	Yes
	Output no load protection	N/A (Can be inquired)
	Output over temperature protection	Yes, without self recovery function (Can be inquired)
	Output short circuit protection	Yes, without self recovery function (Can be inquired)
	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:85% (Non-condensing)
	Ts/Storage Temperature	-40~+80℃
	Tc/Enclosure Temperature	85℃
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Independent installation
	PRI Wire preparation	0.75-1.5 <sup>□</sup>
	SEC Wire preparation	0.75-1.5 <sup>□</sup>
	Dimension	120*46*23.8mm (L*W*H)
Standards	Certification	complied to CE
	Safety Standards	EN61347-1 EN61347-2-13
	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

**KGP**  
KGP Electronics GmbH  
Hueckstraße 19  
DE-58511 Lüdenscheid

**CC10W100-440CG DALI**  
DALI Dimmable LED Driver

Io(mA)	Uo(Vdc)	Po(W)	PF(λ)
100	9-40	1.0-4.0	0.8C
180	9-40	1.6-7.2	0.9C
270	9-40	2.4-10.8	0.95
350	9-36	3.2-12.6	0.95
440	9-27	4.0-11.9	0.95

Input Voltage(Vac):220-240  
Input Frequency(Hz):50/60  
Uo(Vdc)Max.:55  
ta(°C):-25 to +50  
tc(°C):85

Wire preparation: 0.75-1.0mm

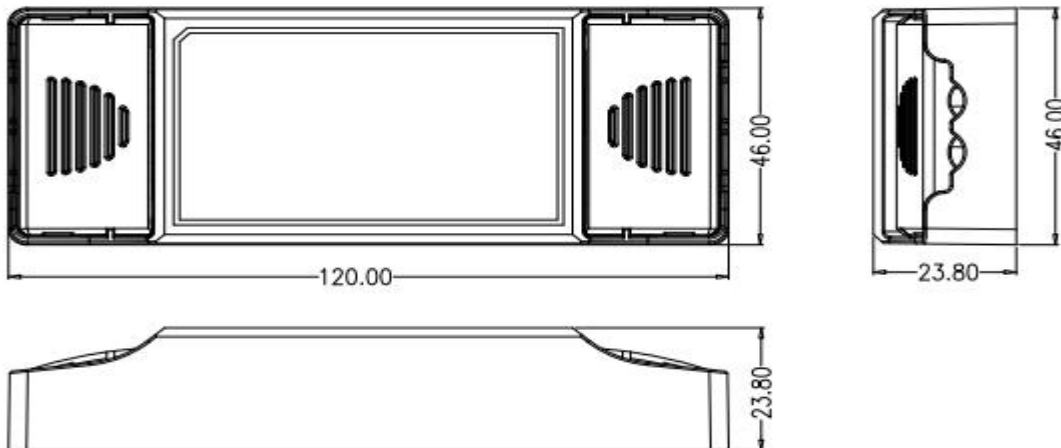
Output Current Setting:

Output Current	1	2	3
100mA	-	-	-
180mA	ON	ON	-
270mA	ON	ON	ON
350mA	ON	ON	ON
440mA	ON	ON	ON

Before use, always check DIP switch settings.

110V, EAC, CE, RoHS, REACH, DALI, PUSH-CONTROL

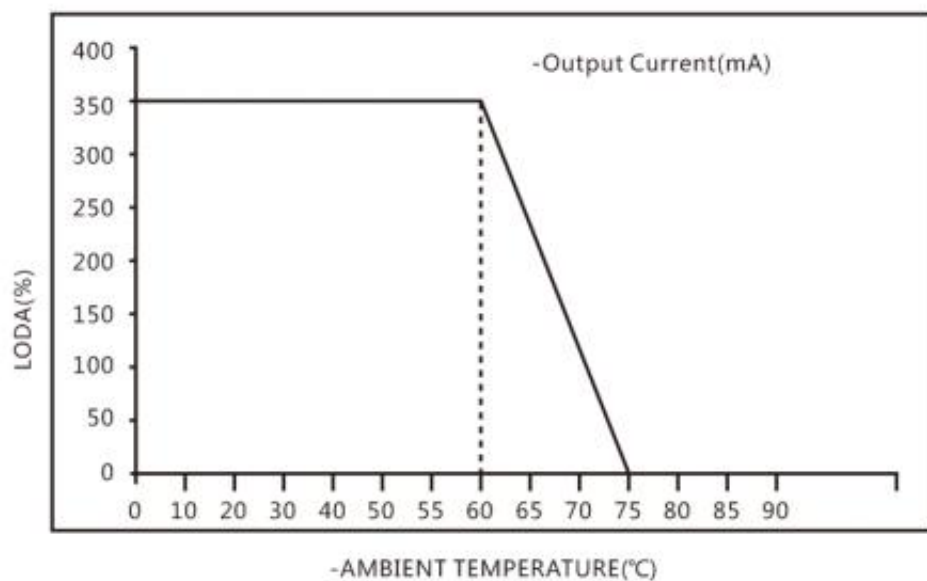
### 3. Dimension (Unit: mm)



### 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

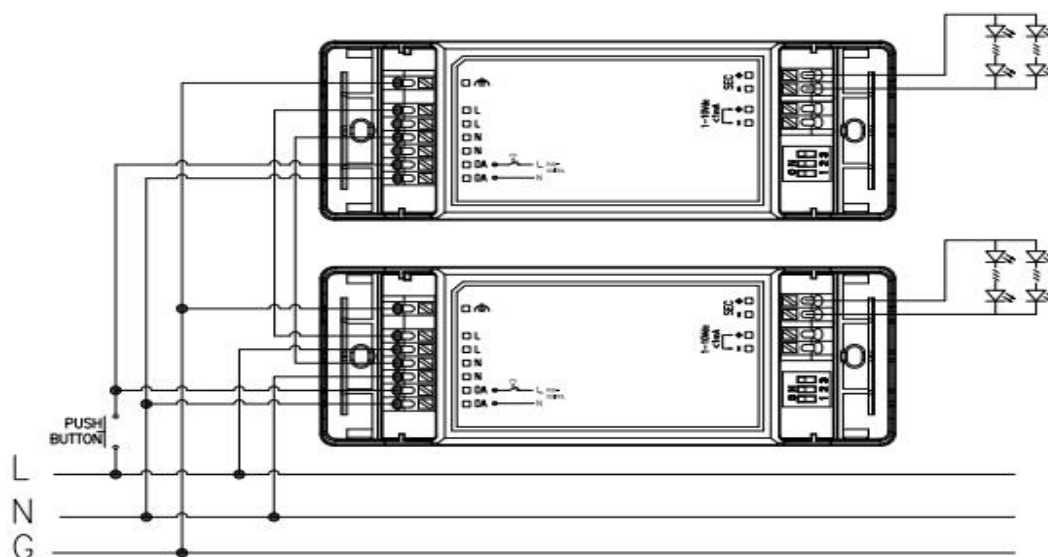
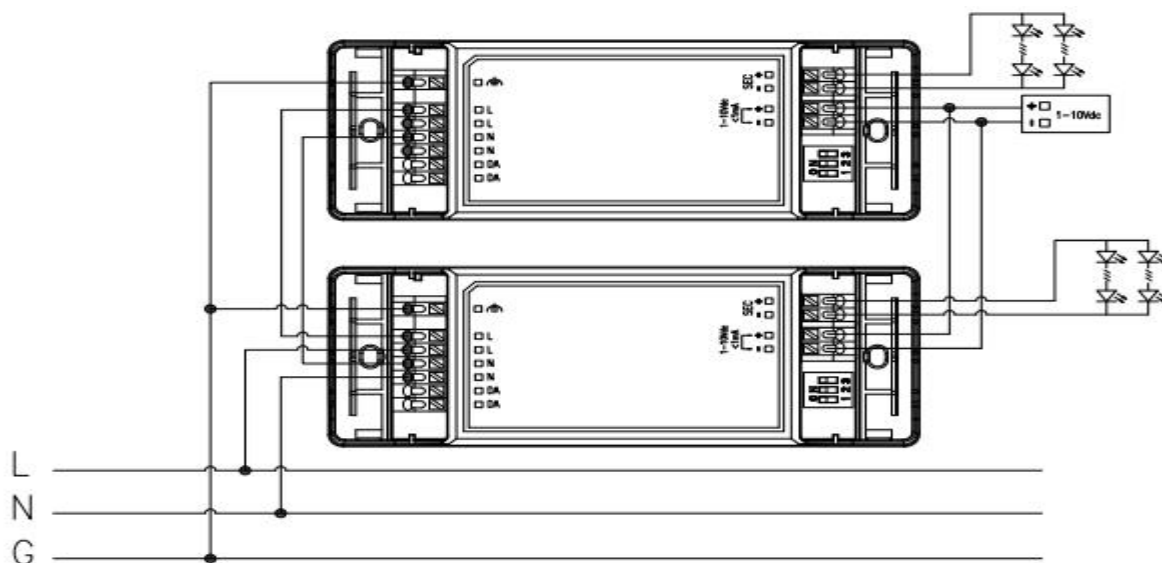
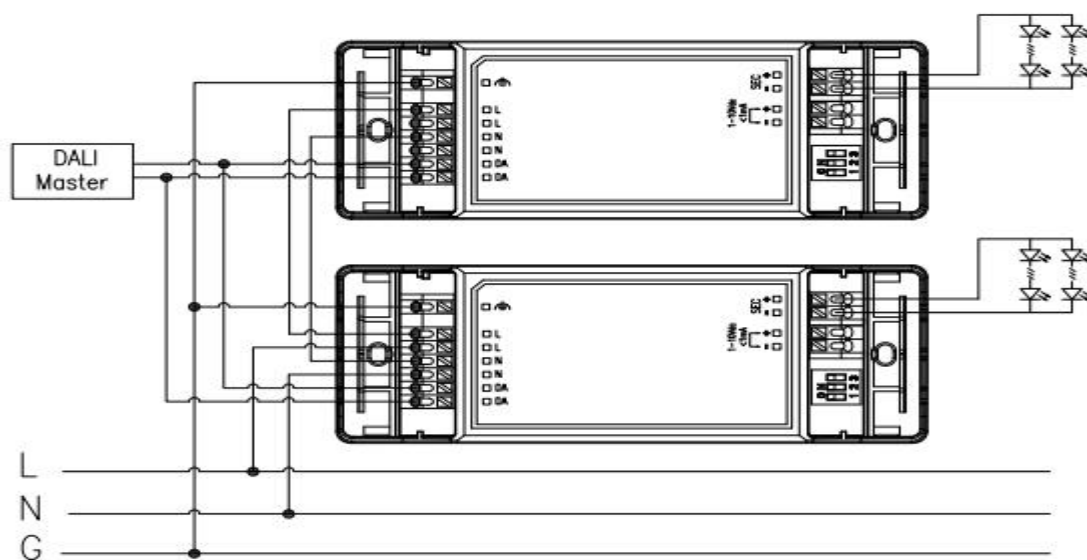


Fig. A: Push Dimming (High voltage)



**Fig. B: 1-10V Dimming**



**Fig.C: DALI Dimming**