

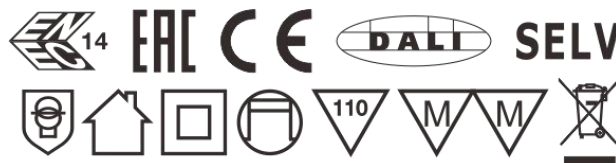


CC30W300-900CG DALI /1-10V



**Constant Current & Dimmable Driver**

**Model: CC30W300-900CG 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
CC30W300-900CG DALI	900mA	0.185A	36W	2.7-30.6W	0.9	86%	9-58V

## 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	≤0.185A (198VAC, full load)
	Input Power	≤36W (230VAC, full load)
	Power Factor	≥0.90 (230VAC, full load)
	THD	≤20% (230VAC, full load)
	No-load Power	≤1W
	Stand-by Power	≤0.5W (@230Vac when PUSH or DALI turn off)
	Inrush Current	<8A (Half current pulse width 50US)@230VAC
	Connected quantity of 16A Breaker	60pcs/type B ; 100pcs/type C @ 230Vac
Output	Ripple requirement (Flickering or lickering-Free)	Flicker value: less than 2% for whole dimming range
	Output Voltage Range	9-58VDC
	No Load Voltage	75VDC Max.
	Output Current	300mA(9-58V) 350mA(9-58V) 400mA(9-58V) 450mA(9-58V) 500mA(9-58V) 550mA(9-55V) 600mA(9-50V) 650mA(9-46V) 700mA(9-42V) 750mA(9-40V) 800mA(9-38V) 850mA(9-35V)

		900mA(9-35V)
	Constant current accuracy	±5%
	Max. Output Power	30.6W
	Efficiency	≥86% (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)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	103*67*22mm (L*W*H)
Standards	Certification	ENEC 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
	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 Germany

**DALI**

Multifunction Dimmable LED Driver  
**CC30W300-900CG DALI**

Input Voltage(Vac)	220-240	Ta(°C)	-25 to +50
Input Frequency(Hz)	50/60	Tc(°C)Max.	85
Power Factor(λ)	>0,9	Uo(Vdc)Max.	68

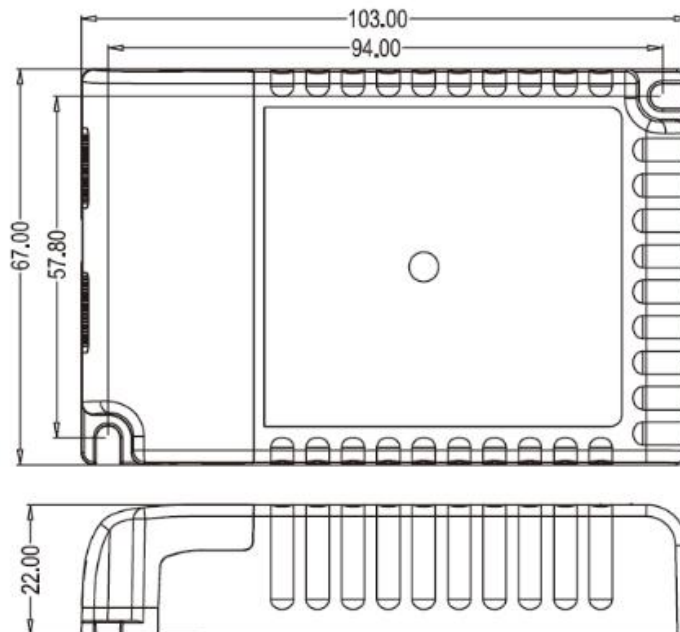
Output Current/Voltage Setting	1	2	3	4
I <sub>PM</sub> (A)	1	1	1	1
300	ON	ON	ON	ON
350	ON	ON	ON	ON
400	ON	ON	ON	ON
450	ON	ON	ON	ON
500	ON	ON	ON	ON
550	ON	ON	ON	ON
600	ON	ON	ON	ON
650	ON	ON	ON	ON
700	ON	ON	ON	ON
750	ON	ON	ON	ON
800	ON	ON	ON	ON
850	ON	ON	ON	ON
900	ON	ON	ON	ON

I <sub>o</sub> (mA)	300	350	400	450	500	550	600	650	700	750	800	850	900
U <sub>o</sub> (Vdc)	9-68	9-68	9-68	9-68	9-68	9-65	9-60	9-46	9-42	9-40	9-38	9-35	9-35
P <sub>o</sub> (W)	2.7-17	3-20	3.6-23	4-26	4.5-28	5-30	5.4-30	5.8-30	6.3-30	6.7-30	7.2-30	7.6-30	8.1-31

• tc 14 L

Before use, always check DIP switch settings.

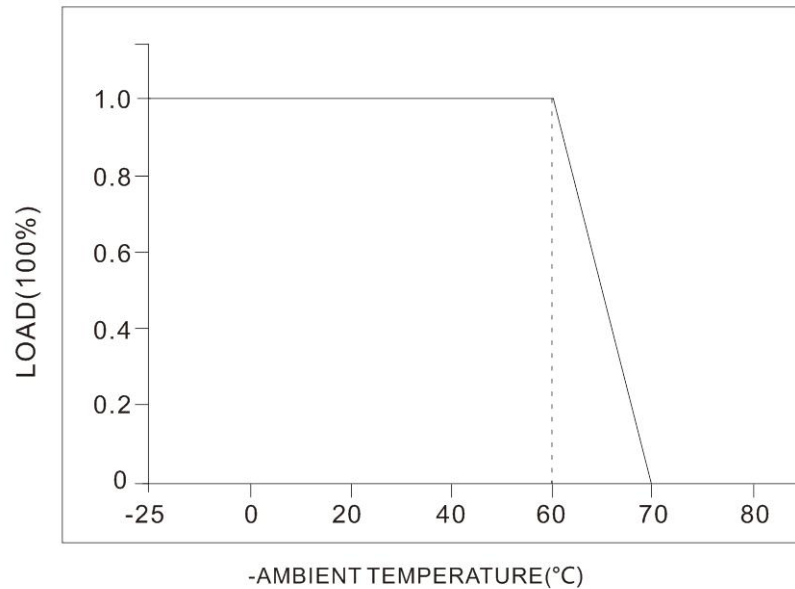
### 3. Dimension (Unit: mm)



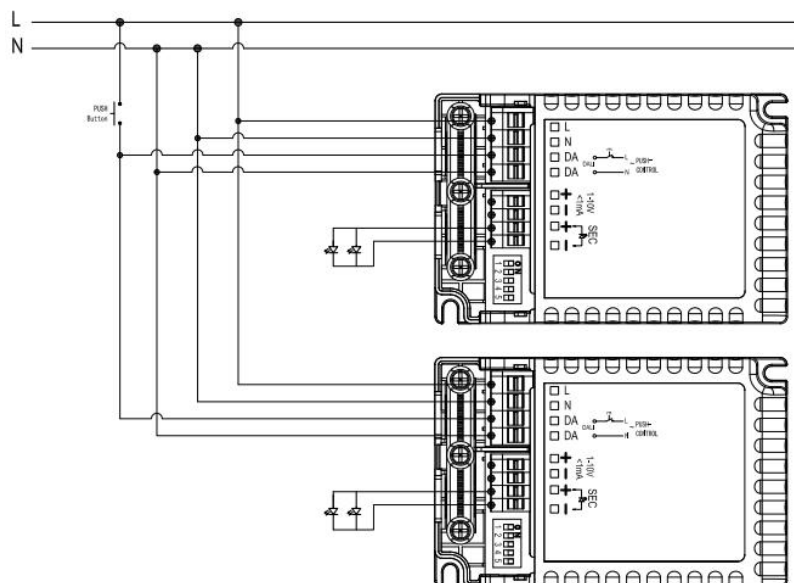
### 4. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
447*240*200	76	0.142	10.792	12.3

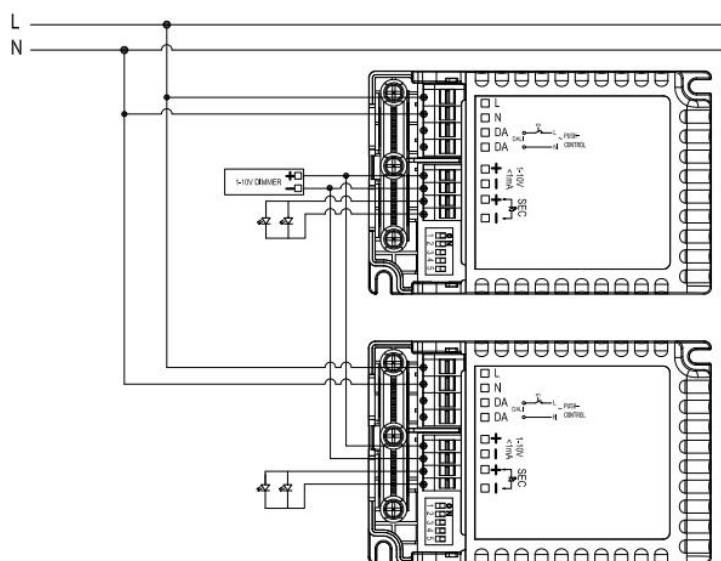
### 5. Derating



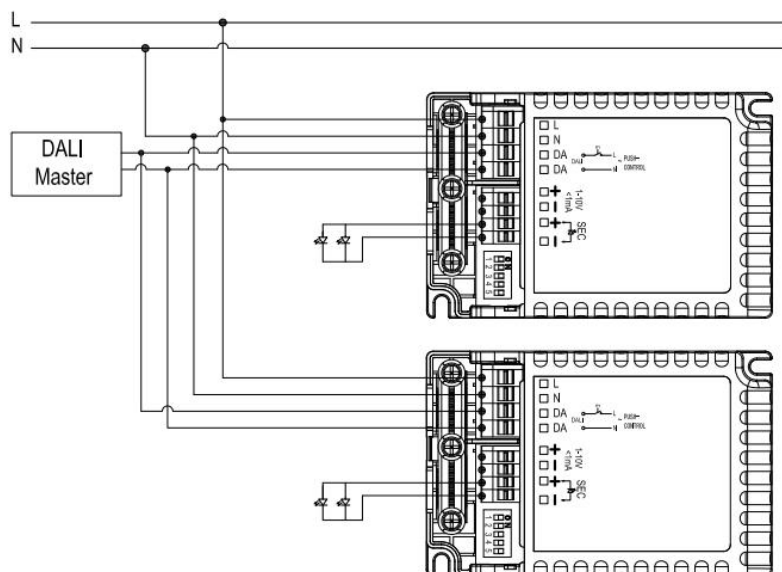
### 6. Wiring Diagram



**Fig. A: Push Dimming (High voltage)**



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



**Fig.C: DALI Dimming**