

CC30W300-900CG DALI /0-10V

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	0.16A	35W	30W	0.95	85%	9-58V

1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	0-10V dimming
	Dimming Range	Primary PUSH & DALI dimming: 0%-100% 0-10V 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	≤0.16A (230VAC, full load)
	Input Power	≤35W (230VAC, full load)
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤15% (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 llickering-Free)	Flicker value: less than 2% for whole dimming range
	Output Voltage Range	9-58VDC
	No Load Voltage	68VDC 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(9-34V)

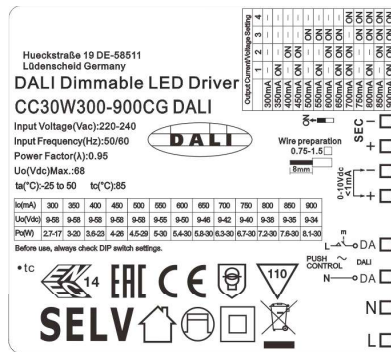
CC30W300-900CG DALI /0-10V

	Constant current accuracy	±5%	
	Full load output power	30W	
	Efficiency	≥86% (230VAC, full load)	
	Started Delay Time	≤1S (230VAC, full load)	
Control Method	Primary PUSH dimming	Yes, Primary PUSH dimming	
	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)	
	Output over load protection	Yes	
Environment	Working environment temperature / humidity	Typical value	-25℃...+50℃ Humidity: 85% (non-condensing)
	Storage temperature/ humidity	-40℃... + 80℃ 10 ~ 95% RH (non-condensing)	
	Max. Case Temp (Tc)	85℃	
Construction	Connection Method	Push-in Terminal	
	Installation	Independent installation	
	PRI Wire preparation	0.75-1.5 [□]	
	SEC Wire preparation	0.75-1.5 [□]	
	Dimension	103*67*22mm (L*W*H)	
Standards	Certification	ENEC CE	
	Safety Standards	EN61347-1, EN61347-2-13, EN62493, EN60598-1	
	EMC Standards	EN55015:2013/A1:2015, EN61000-3-2:2014, EN61000-3-3:2013, 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	

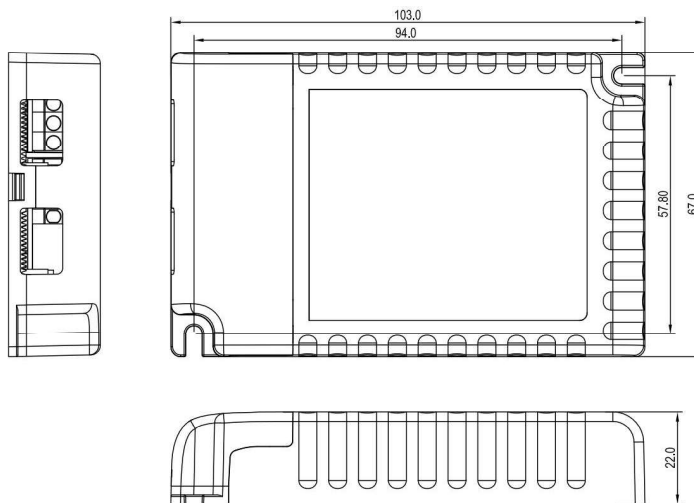
Remark: 1. All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ ambient temperature.
2. LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

CC30W300-900CG DALI /0-10V

2. Label



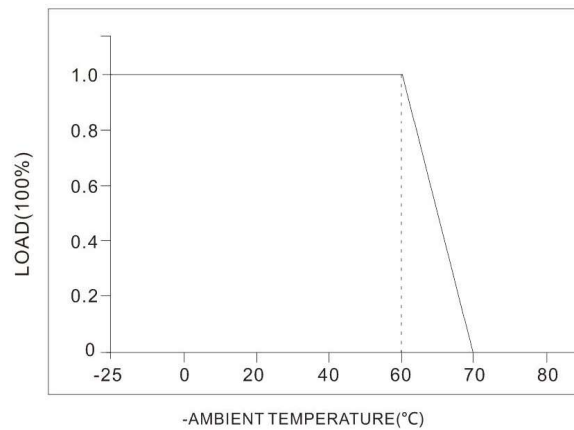
3. Dimension (Unit: mm)



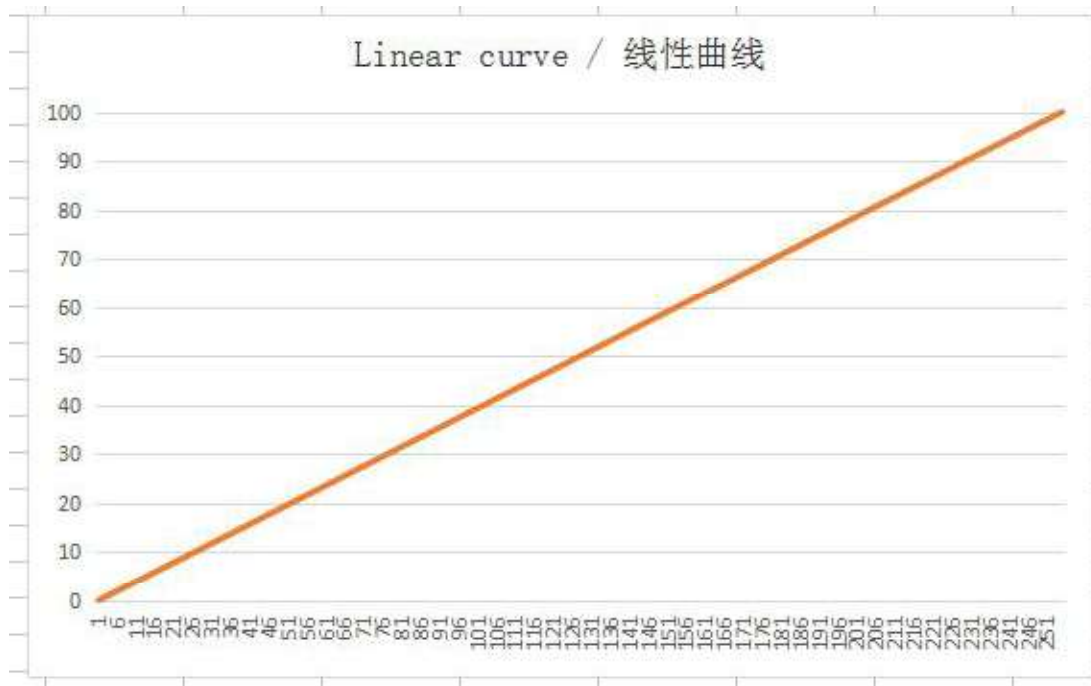
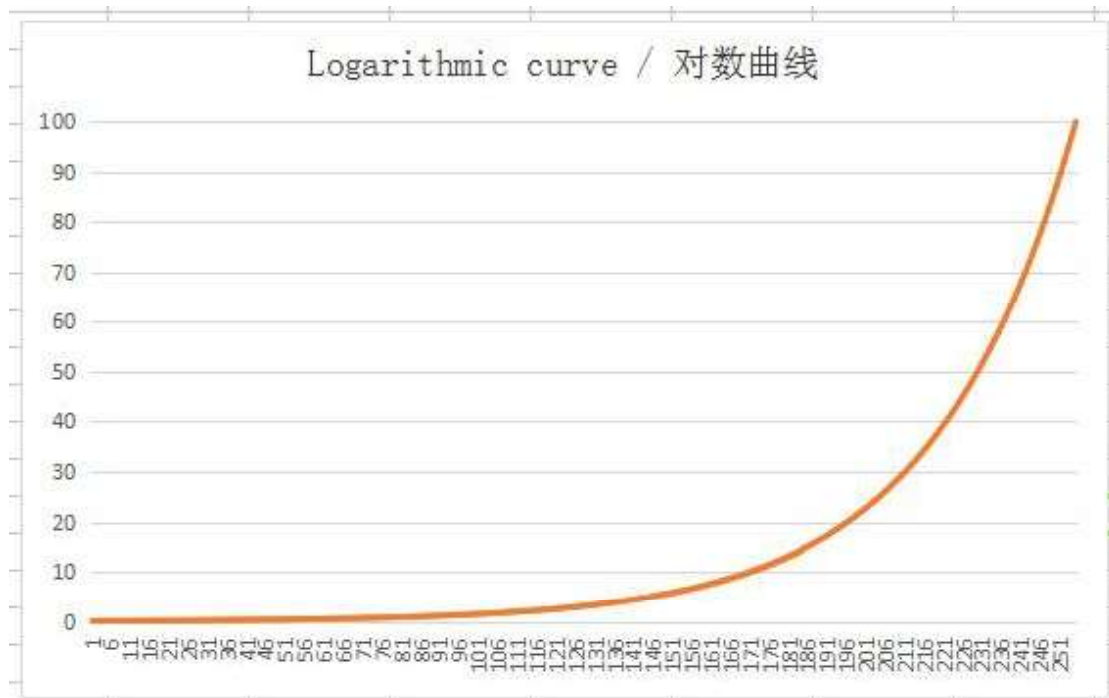
4. Packing information

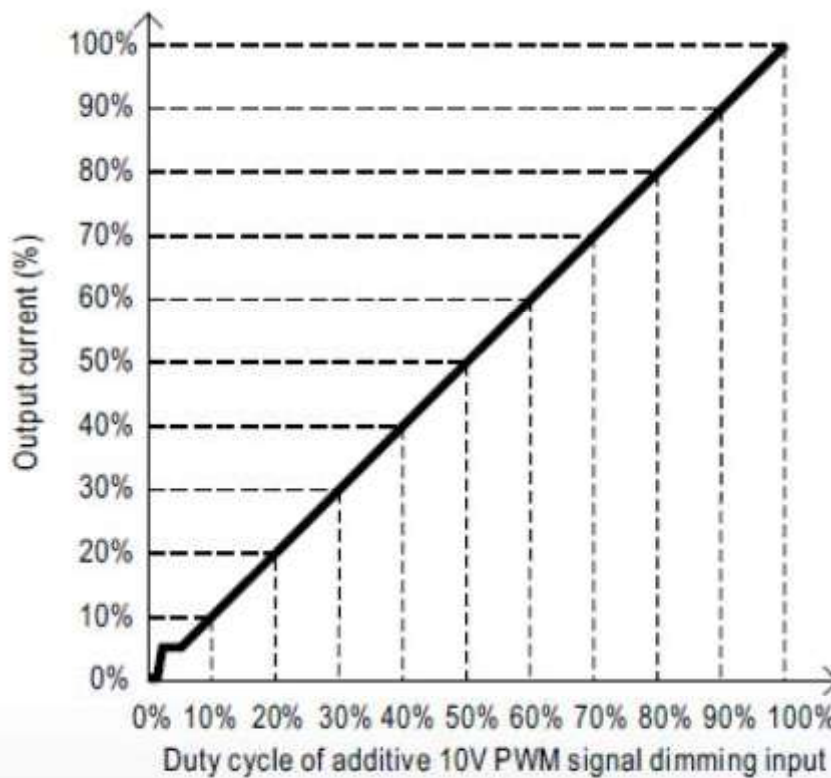
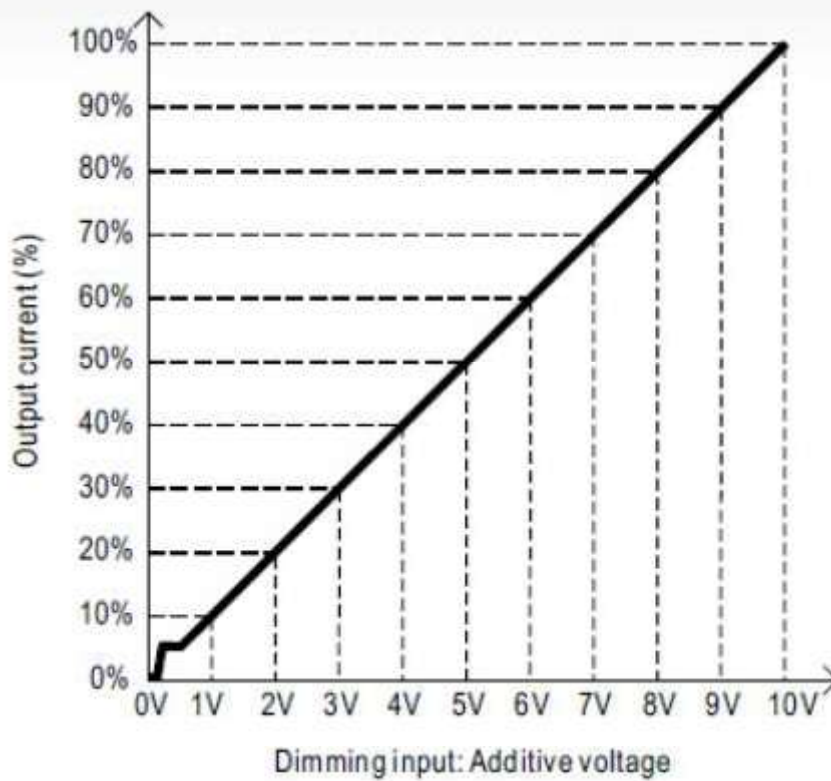
Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
370*225*160	50	0.15	7.5	8.1

5. Derating



6. Dimming curve





7. Wiring Diagram

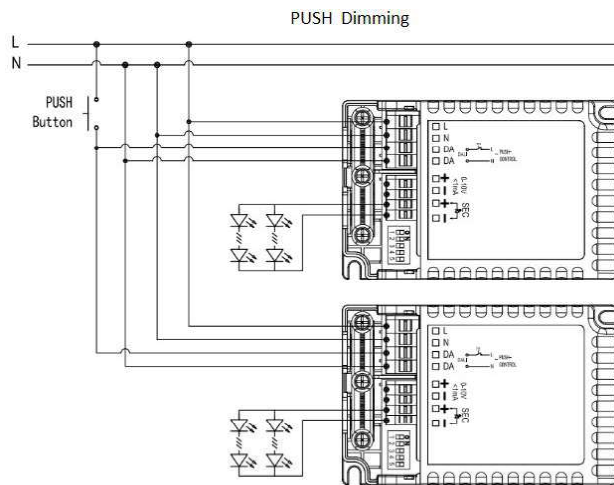


Fig. A: Push Dimming (High voltage)

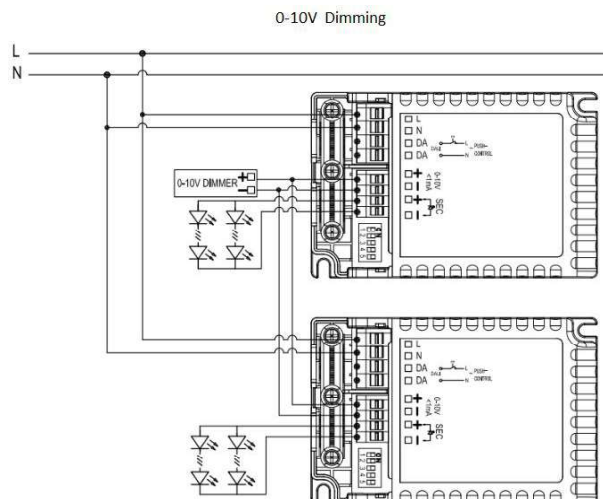


Fig. B: 0-10V Dimming

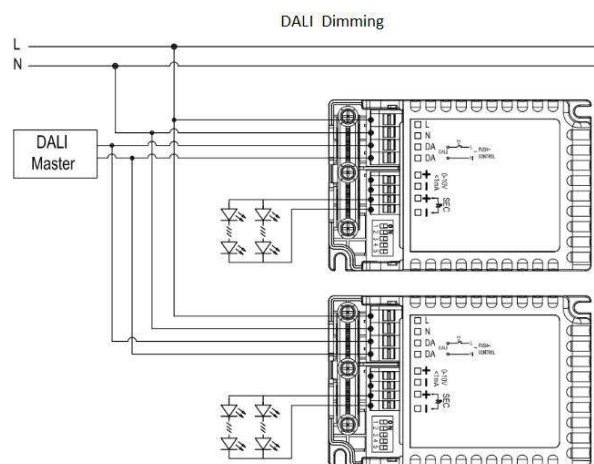


Fig.C: DALI Dimming**8. Current gear setting**

Current / voltage gear setting	1	2	3	4
300MA	-	-	-	-
350MA	ON	-	-	-
400MA	-	ON	-	-
450MA	ON	ON	-	-
500MA	-	-	ON	-
550MA	ON	-	ON	-
600MA	-	ON	ON	-
650MA	ON	ON	ON	-
700MA	ON	ON	-	ON
750MA	-	-	ON	ON
800MA	ON	-	ON	ON
850MA	-	ON	ON	ON
900MA	ON	ON	ON	ON