

Specification for Dimmable LED Driver NO ISO series



- Flicker-free for whole dimming range
- Stand-by power below 0.5W
- Primary dimming with push button
- Built-in DALI interface DT6
- Protection: short circuit / over temperature/ over voltage
- Derating current for over high ambient temperature
- Push dim with memory function
- Active power meets Book 250
- 5 year warranty

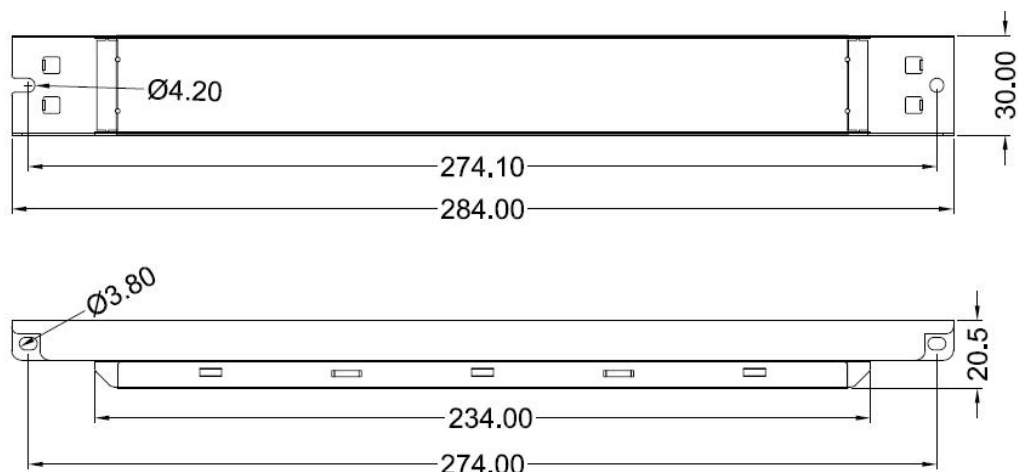
1. Parameters

	NO ISO series	CC60W200-500CG	CC90W300-700CG	CC120W300-700CG
Input	Operating Voltage	198-264VAC 50Hz /60Hz		
	Rated Input Voltage	220-240VAC 50Hz /60Hz		
	DC Input Voltage range	176-280VDC		
	Input Current	0.33A Max.	0.4A Max.	0.5A Max.
	Input Inrush Current	<25A (Half current pulse width 100US) @230VAC		
	Power Factor	≥0.96 @230VAC (Full load)		
	Total harmonic distortion	Typical: 15% (@230Vac, 100% load)		
	Stand-by Power	≤0.5W (@230Vac when PUSH or DALI turn off)		
	Efficiency	93%Max. @230VAC (Full load)		
	Wiring Method	Push terminal, wire cross section:0.5-1.0mm ²		
Output	Operating mode	Constant Current		
	Load type	LED		
	Ripple requirement (Flickering or flickering-Free)	Flicker value: less than 2% for whole dimming range		
	Start up time	<1s (@230Vac)		
	No-load output voltage	410VDC Max.		
	Load output voltage range	80-300VDC	80-300VDC	80-330VDC
	Full load output power	60W Max.	90W Max.	120W Max.
	Load output current	200MA(80-300V) 250MA(80-240V) 300MA(80-200V) 350MA(80-170V) 400MA(80-150V) 450mA(80-133V) 500mA(80-120V)	300MA(80-300V) 350MA(80-258V) 450MA(80-208V) 500MA(80-180V) 550MA(80-164V) 650mA(80-139V) 700mA(80-129V)	300MA(80-330V) 350MA(80-330V) 450MA(80-266V) 500MA(80-240V) 550MA(80-219V) 650mA(80-185V) 700mA(80-172V)
	Constant current/voltage Precision	Constant Current Precision ±5%		

	Wiring method	Push terminal, wire cross section:0.5-1.0mm ²		
Control Method	Primary PUSH Dimming	Primary PUSH dimming (Max.lead length: 20M)		
	Dimming Range	Primary PUSH & DALI dimming: 0%-100%		
	DALI Dimming	DALI dimming (Max.lead length: 300M)		
Exception Protection Requirements	Output over temperature protection	Yes, without self recovery function (Can be inquired)		
	Output short circuit protection	Yes, without self recovery function (Can be inquired)		
Operating Environment	Operating temperature/ humidity	-25℃~50℃ Humidity:85% (Non-condensing)		
	Storage temperature/ humidity	-40℃~80℃, Humidity:10% - 95%		
	Max. case temp (Tc)	80℃		
Safety & EMC	EMC standard	EN55015 EN61547 EN61000-3-2 EN61000-3-3		
	DALI protocol standard	IEC62386-102 IEC62386-207 DT6		
	Safety standard	EN61347-1 EN61347-2-13		
	Certification	CE		
	Mains surge capability	1 kV (@“L - N”) ; 2 kV (@“L/N - PE”)		
Others	Degrees of protection	IP20		
	Type of protection	Class I		
	Installation type	Independent installation		
	Installation dimension	284x30*20mm		
	Blackout memory function	Yes, PUSH blackout memory		
	PUSH dimming synchronization	20 units Max.		
	Packaging requirement	white box+ Instructions Clapboard Outer Carton (K=A)		
	Weight	200g	220g	260g
	Life	50000h @Ta full load		

Note: All parameters are tested at the input voltage of 230Vac and 25 degree environment unless specified.

2. Dimension (Unit: mm)



3. Wiring Diagram

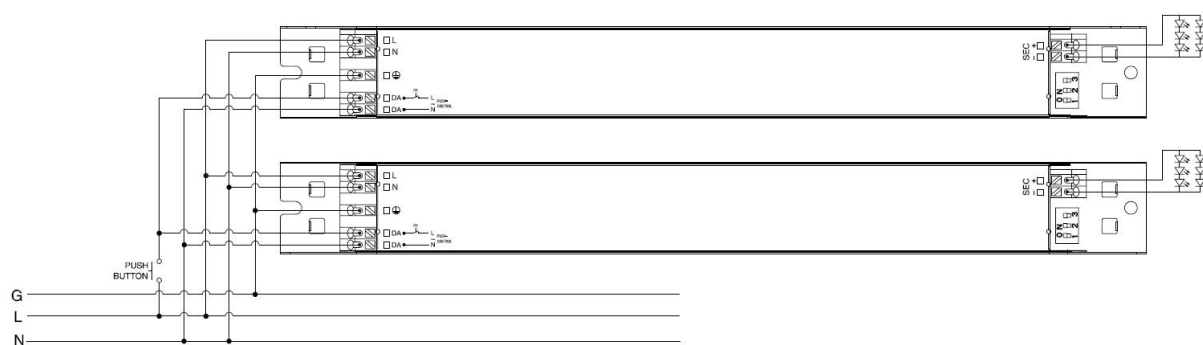


Fig. A Push Dimming

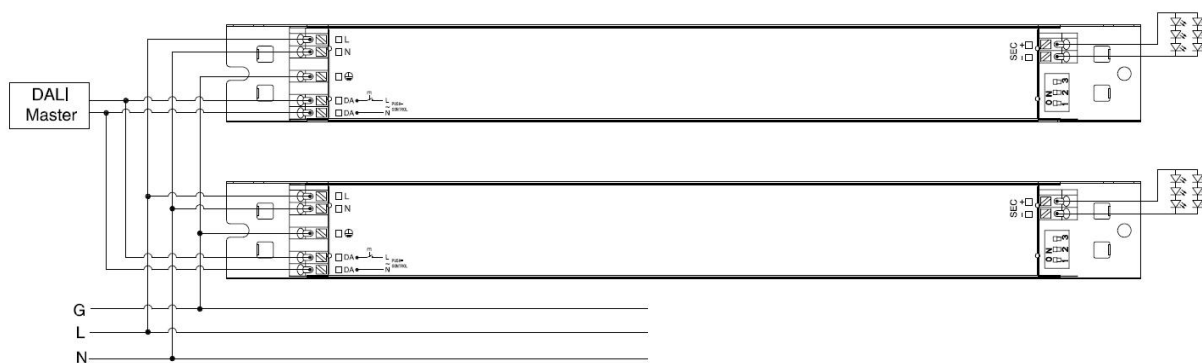
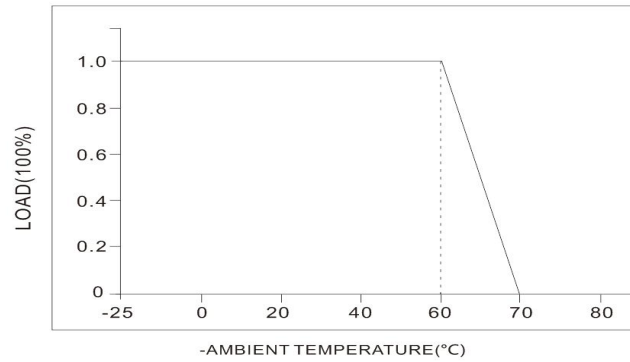
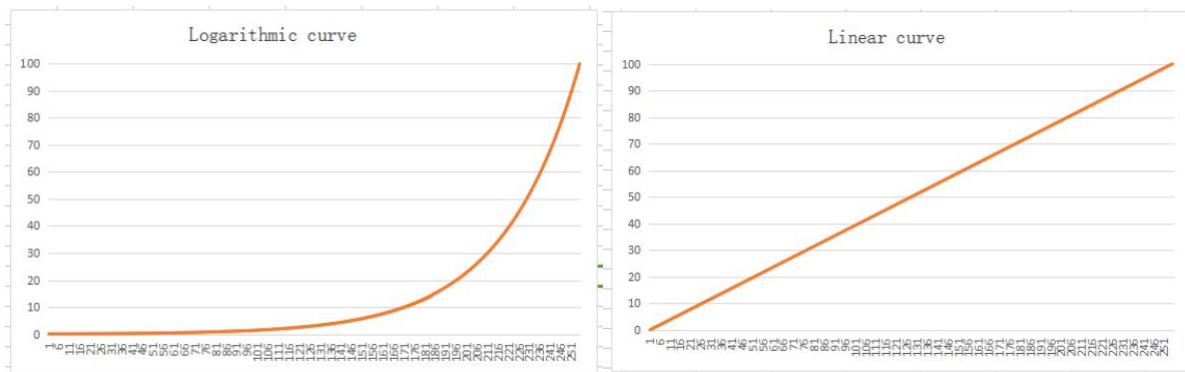


Fig.B DALI Dimming

4. Derating



5. Dimming curve



6. Current gear setting ● : ON ○ : OFF (SEC1 SEC2)

1	2	3	CC90W200-500CG	CC90W300-700CG	CC120W300-700CG
—	—	—	200MA(80-300V)	300MA(80-300V)	300MA(80-330V)
ON	—	—	250MA(80-240V)	350MA(80-258V)	350MA(80-330V)
—	ON	—	300MA(80-200V)	450MA(80-208V)	450MA(80-266V)
ON	ON	—	350MA(80-170V)	500MA(80-180V)	500MA(80-240V)
ON	—	ON	400MA(80-150V)	550MA(80-164V)	550MA(80-219V)
—	ON	ON	450mA(80-133V)	650mA(80-139V)	650mA(80-185V)
ON	ON	ON	500mA (9-36V)	700mA(80-129V)	700mA(80-172V)