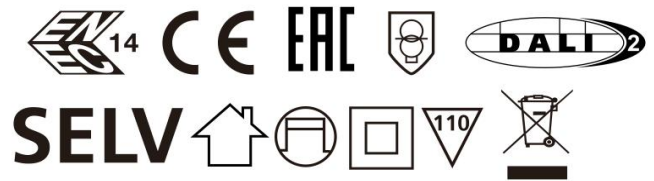




CC50W700-1400CG-DALI-NX

Constant Current & Dimmable Driver

Model: CC50W700-1400CG-DALI-NX



Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
CC50W700-1400CG-DALI-NX	160160	700-1400ma	0.27A	55.00W	6.30-50.40W	0.95	86%	9-58V	68V

*** Test result @230V, 50Hz, Full Load.**

1. Parameters

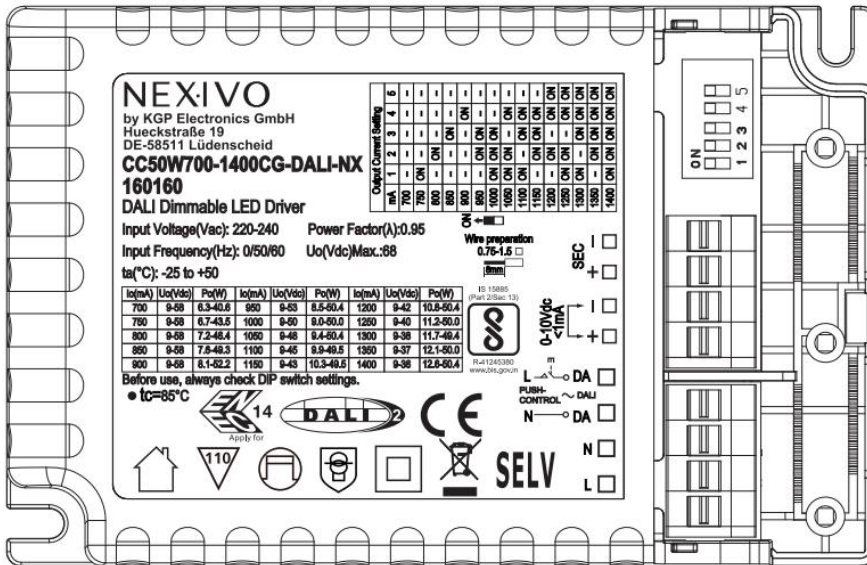
Category	Item	Technical Norm		
Features	Output Type	Constant Current		
	Dimming Type	DALI 2		
	Dimming Range	Primary PUSH & DALI dimming: 2%-100%		
	IP Grade	IP20		
	Insulation Class	Class II		
Input	Rated Input Voltage	220-240VAC		
	Range of Input Voltage	198-264VAC		
	Frequency	50/60Hz		
	Input Current	≤0.27A (230VAC, full load)		
	Input Power	≤55W (230VAC, full load)		
	Power Factor	≥0.95 (230VAC, full load)		
	THD	≤13% (230VAC, full load)		
	No-load Power	≤1W		
	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 flickering-Free)	Flicker value: less than 2% for whole dimming range		
	Output Voltage Range	9-58VDC		
	No Load Voltage	68VDC Max.		
	Output Current	700mA(9-58V)	750mA(9-58V)	800mA(9-58V)
		850mA(9-58V)	900mA(9-58V)	950mA(9-56V)
		1000mA(5-50V)	1050mA(9-48V)	1100mA(9-45V)
		1150mA(9-43V)	1200mA(9-42V)	1250mA(9-40V)
		1300mA(9-38V)	1350mA(9-37V)	1400mA(9-36V)
	Constant current accuracy	±5%		
	Full load output power	50W		
	Efficiency	≥86% (230VAC, full load)		
	Started Delay Time	≤0.5S (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)
Environment	Ta/Operation Temperature/ humidity	-25+50℃, Humidity:85% (Non-condensing)
	Ts/Storage Temperature	-40 ℃... + 80 ℃ 10 ~ 95% RH (non-condensing)
	Tc/Enclosure Temperature	85 ℃
Construction	Atmosphere	86-108KPa
	Connection Method	Push-in Terminal
	Installation	Independent installation
	PRI Wire preparation	0.75-1.5□
	SEC Wire preparation	0.75-1.5□
Standards	Dimension	123*79*23.8mm (L*W*H)
	Certification	ENEC CE
	Safety Standards	EN61347-1, EN61347-2-13, EN62493, EN60598-1
	EMC Standards	EN55015 EN61547 EN61000-3-2 EN61000-3-3
	DALI protocol standard	IEC62386-102 IEC62386-207
Others	Surge	L-N/1KV (L/N)-PE/2KV
	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

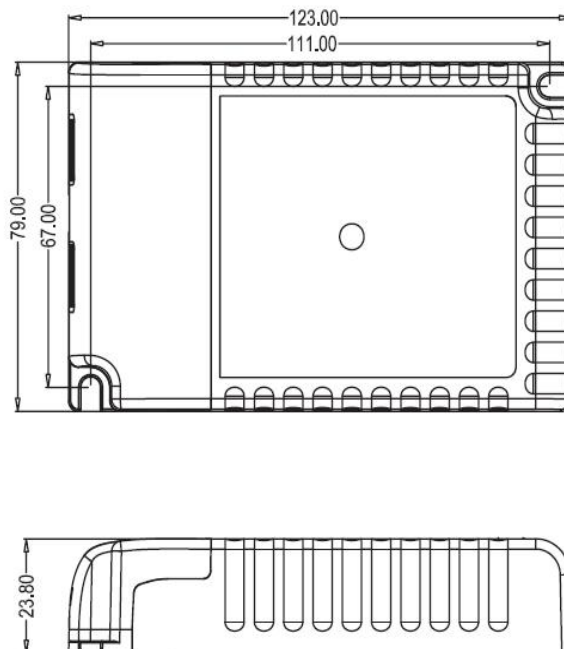
Remark:

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.

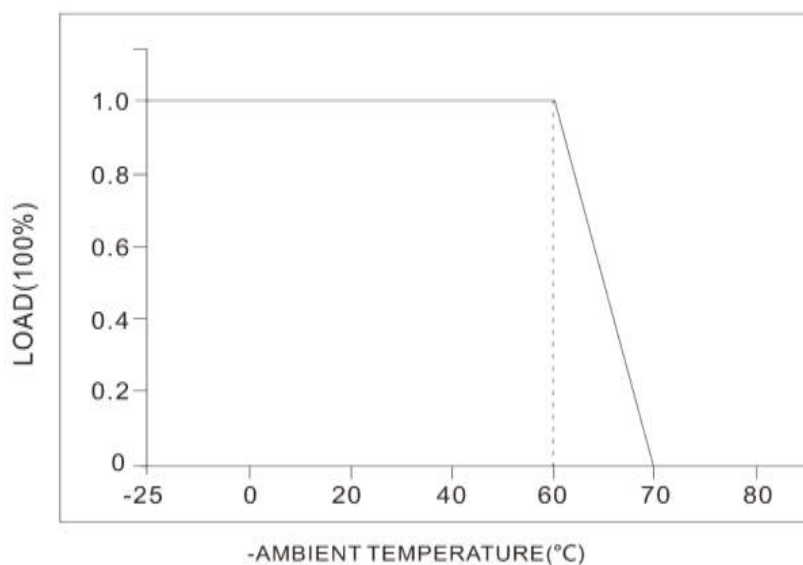
2. Label



3. Dimension (Unit: mm)



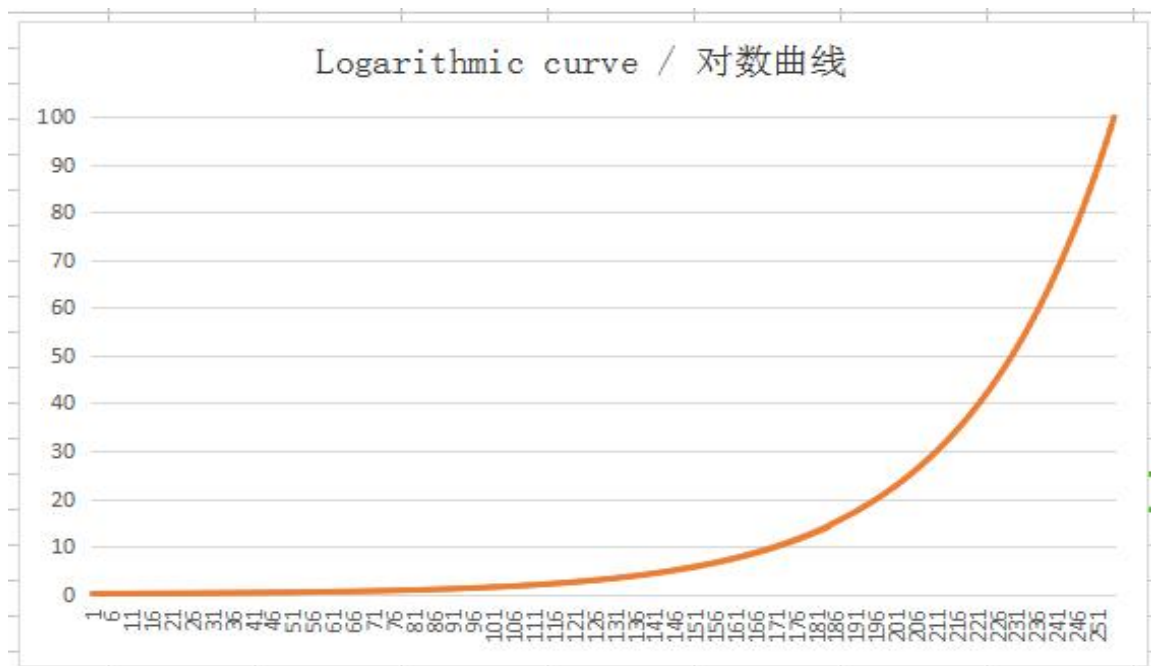
4. Derating



5. Current gear setting

Current / voltage gear setting	1	2	3	4	5
700MA	-	-	-	-	-
750MA	ON	-	-	-	-
800MA	-	ON	-	-	-
850MA	-	-	ON	-	-
900MA	-	-	-	ON	-
950MA	-	ON	ON	-	-
1000MA	ON	ON	ON	-	-
1050MA	ON	ON	-	ON	-
1100MA	ON	-	ON	ON	-
1150MA	-	ON	ON	ON	-
1200MA	-	ON	-	ON	ON
1250MA	ON	ON	-	ON	ON
1300MA	ON	-	ON	ON	ON
1350MA	-	ON	ON	ON	ON
1400MA	ON	ON	ON	ON	ON

6. Dimming curve



7. Wiring Diagram

Fig. A: Push Dimming (High voltage)

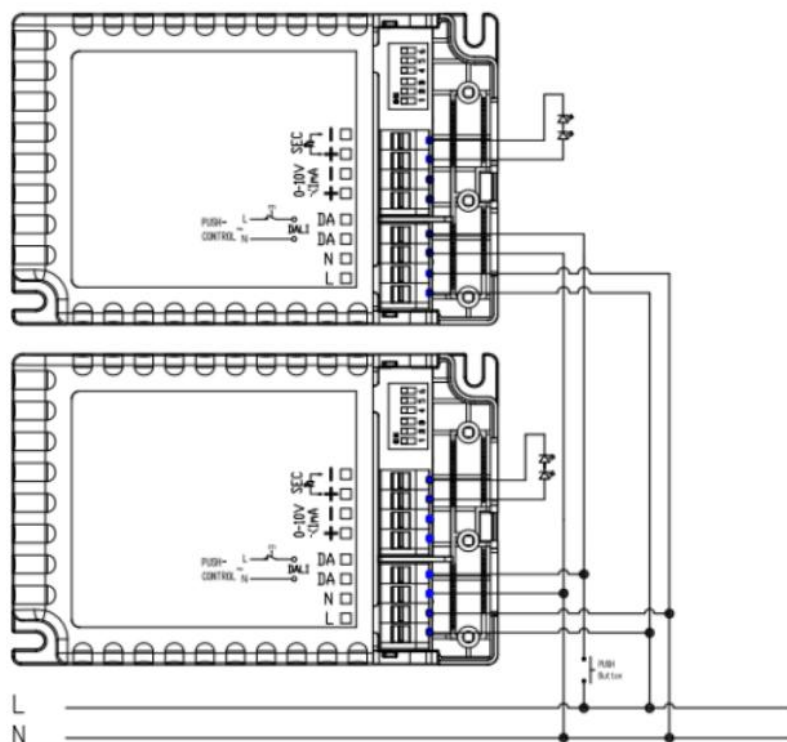


Fig. B: 0-10V Dimming

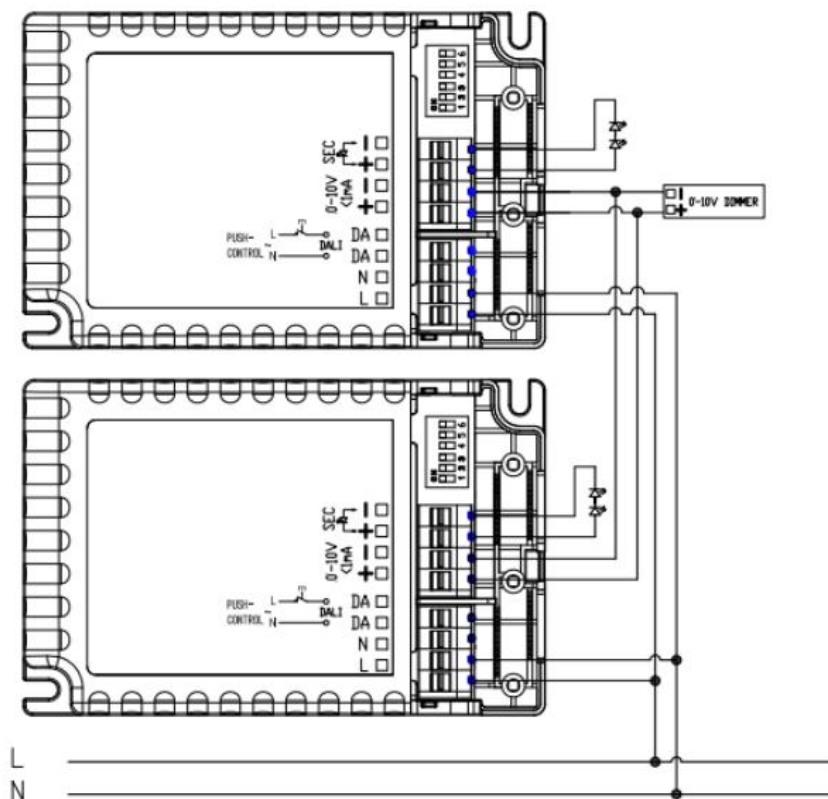
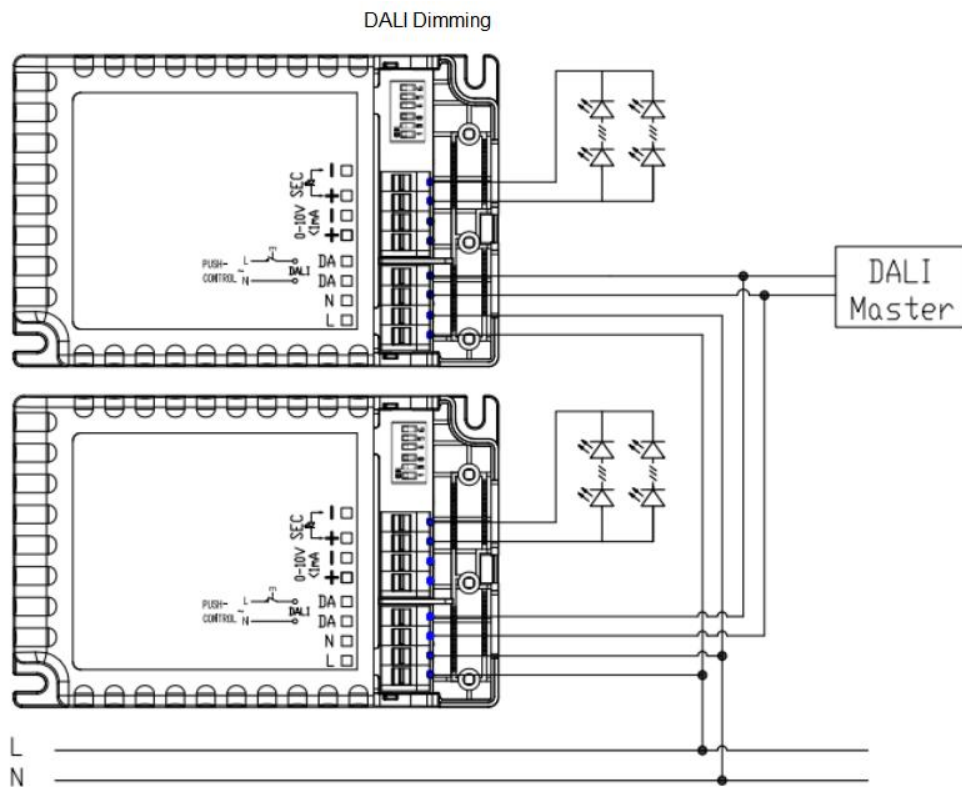


Fig.C: DALI Dimming



8. Packing information

Packing way	Model	Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
Industrial	CC50W700-1400CG-DALI-NX	430*270*175	50	0.234	11.7	12.22

9. Ordering data

Model No	Item code
CC50W700-1400CG-DALI-NX	160160

10. Revision history

Date	Revision	Remark
2026.16.03	V0.01	Product release