



Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
CC25W300-1050-DALI-UNI-NX	160240	300mA	0.17A	17.50W	2.70-14.70W	0.98	84.3 %	9-49V	59V Max.
		350mA	0.20A	20.30W	3.20-17.20W	0.98	84.6 %	9-49V	
		400mA	0.23A	23.20W	3.60-19.60W	0.98	84.7 %	9-49V	
		450mA	0.26A	26.10W	4.10-22.10W	0.98	84.7 %	9-49V	
		500mA	0.29A	29.00W	4.50-24.50W	0.99	84.4 %	9-49V	
		550mA	0.32A	29.50W	5.00-24.80W	0.99	84.0 %	9-45V	
		600mA	0.32A	29.60W	5.40-24.60W	0.99	83.3 %	9-41V	
		650mA	0.32A	29.90W	5.90-24.70W	0.99	82.8 %	9-38V	
		700mA	0.32A	29.80W	6.30-24.50W	0.99	82.3 %	9-35V	
		750mA	0.32A	30.30W	6.80-24.80W	0.99	81.8 %	9-33V	
		800mA	0.32A	30.50W	7.20-24.80W	0.99	81.3 %	9-31V	
		850mA	0.32A	30.60W	7.70-24.70W	0.99	80.6 %	9-29V	
		900mA	0.32A	30.40W	8.10-24.30W	0.99	80.1 %	9-27V	
		950mA	0.32A	31.00W	8.60-24.70W	0.99	79.8 %	9-26V	
		1000mA	0.32A	31.50W	9.00-25.00W	0.99	79.4 %	9-25V	
		1050mA	0.32A	30.60W	9.50-24.20W	0.99	79.1 %	9-23V	

*** Test result @100V, 50Hz, Full Load.**

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	Amplitude (DALI-2)
	Output Features	Isolation
	IP Grade	IP20

	Insulation Class	Class II
Input	Rated Input Voltage	100-240VAC
	Range of Input Voltage	100-264VAC
	Range of DC Input Voltage	180-280VDC
	Frequency	0/50/60Hz, Range:0/47-63Hz
	Overvoltage protection	2h@380VAC, 48h@320VAC
	Input Current	≤0.32A (100VAC , full load)
	Input Power	≤30.60W (100VAC , full load)
	Power Factor	≥0.99 (100VAC , full load)
	THD	≤15% (100VAC , full load)
	Standby Power Consumption	≤0.45W (100VAC , full load)
	Inrush Current	≤20A/29us (100VAC, full load)
	Connected quantity of 10A Breaker Connected quantity of 13A Breaker Connected quantity of 16A Breaker Connected quantity of 20A Breaker	10pcs/type A ; 16pcs/type B ; 25pcs/type C 12pcs/type A; 20pcs/type B ; 32pcs/type C 16pcs/type A; 25pcs/type B ; 40pcs/type C 20pcs/type A; 31pcs/type B ; 50pcs/type C
Output	Output Voltage Range	9-49VDC@300-500mA; 9-45VDC@550mA 9-41VDC@600mA; 9-38VDC@650mA 9-35VDC@700mA; 9-33VDC@750mA 9-31VDC@800mA; 9-29VDC@850mA 9-27VDC@900mA; 9-26VDC@950mA 9-25VDC@1000mA; 9-23VDC@1050mA
	No Load Voltage	59VDC Max.
	Output Current	300-1050mA (Factory set current of 300mA)
	Max. Output Power	25W
	Efficiency	≥84.7% @400-450mA, 100VAC
	Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)
	Current Accuracy	±5%
	PSTLM	≤1
	SVM	≤0.4
	Starting Time (AC mode)	≤0.8S (100VAC, full load)
	Starting Time (DC mode)	≤0.4S
	Switching over time (AC/DC)	≤0.4S
Control Method	Secondary PUSH dimming	Secondary PUSH dimming (Max. lead wire length: 20m, same port of DALI)
	PUSH-button	Max parallel connections qty for Push-dim 15
	DALI function	DALI dimming (Max. lead wire length: 300m) logarithm or linear dimming curve selectable
	Dimming range	DALI dimming:1%-100%
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery (not be hot swap)
	No-load Protection	Auto Recovery
	Insulation voltage	3000V 5mA 60S between P-S
	Insulation resistance	>100M ohm @ 500VDC

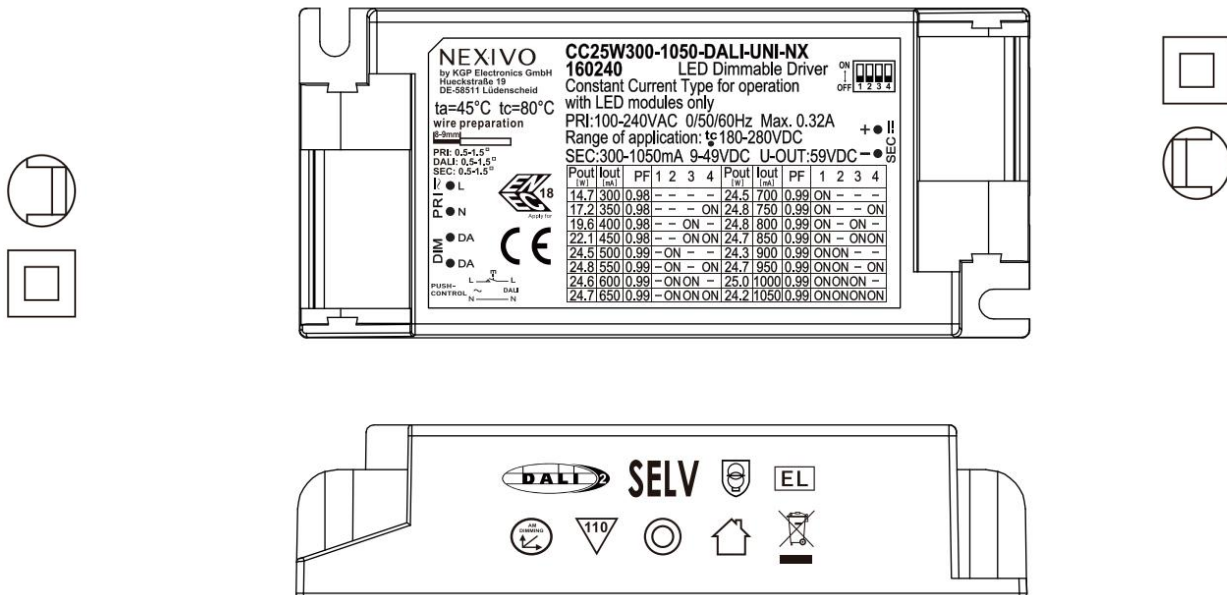
	Leakage current	<700μA, I/P to O/P @100V input
Environment	Ta/Operation Temperature	-25....+45°C
	Ts/Storage Temperature	-25....+80°C
	Tc/Enclosure Temperature	80°C
	Humidity	10%.... 90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Build-in & Independent
	PRI Wire preparation	PVC,VDE certificated,0.5-1.5 ,with 8mm tin
	SEC Wire preparation	PVC,VDE certificated,0.5-1.5 ,with 8mm tin
	DALI Wire preparation	PVC,VDE certificated,0.5-1.5 / 8-9mm
	SEC Wire preparation	0-0.8±0.05m (The EMC test results were achieved at approximately 0.8 meters) (the length required by the standard). If there are any data differences, please test according to the length required by the standard)
	Dimension	97.5*44*23mm (L*W*H)
Standards	Certification	CE
	Safety Standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017;
	Performance	EN62384
	DALI performance	EN 62386-101 (DALI-2) EN 62386-102 (DALI-2) EN 62386-207 (DALI-2, including part 251, 252, 253)
	Surge	L/N-Ground:4kV; L-N:2kV
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h Tc=80°C
		75000h Tc=75°C
		100000h Tc=70°C
	Warranty	5years , F.R. < 10000ppm

Remark:

- 1.All Parameters, if not specified, are measured at 100VAC/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.
3. Please make sure Tc under Lifetime condition when long term operate under DC input.
4. DC emergency (DCemDim):Default 15%, EOFx range = 1 .. 100% (EOFx = DCemDIM level)
5. During the PUSH DIM test, the number of parallel connections must be less than 15PCS.

Distance	15m	30m	50m
Cable selection	0.5mm²	0.75mm²	1.0mm²

2. Label

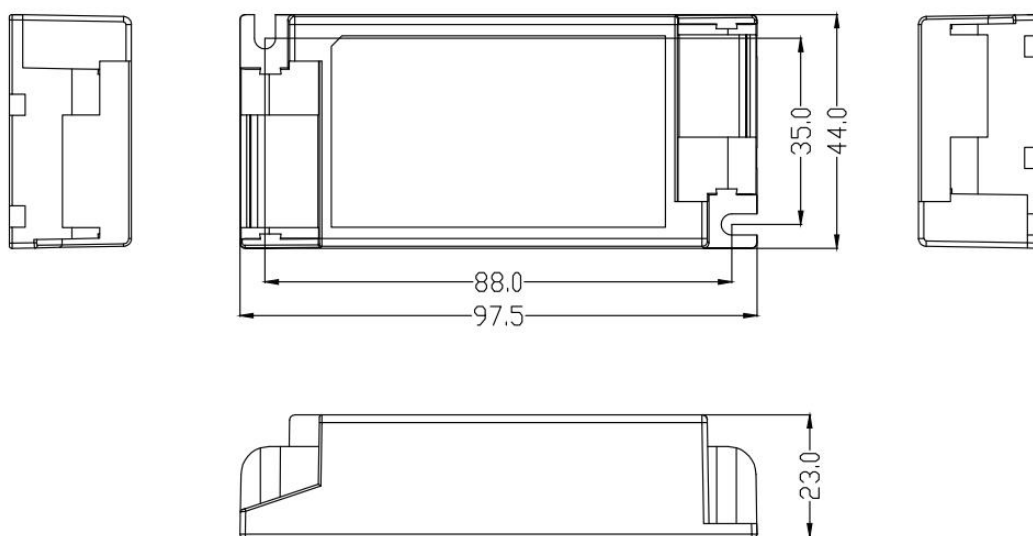


3. Output current setting

Output Current	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	-	-	-
750mA	ON	-	-	ON
800mA	ON	-	ON	-
850mA	ON	-	ON	ON
900mA	ON	ON	-	-
950mA	ON	ON	-	ON
1000mA	ON	ON	ON	-
1050mA	ON	ON	ON	ON

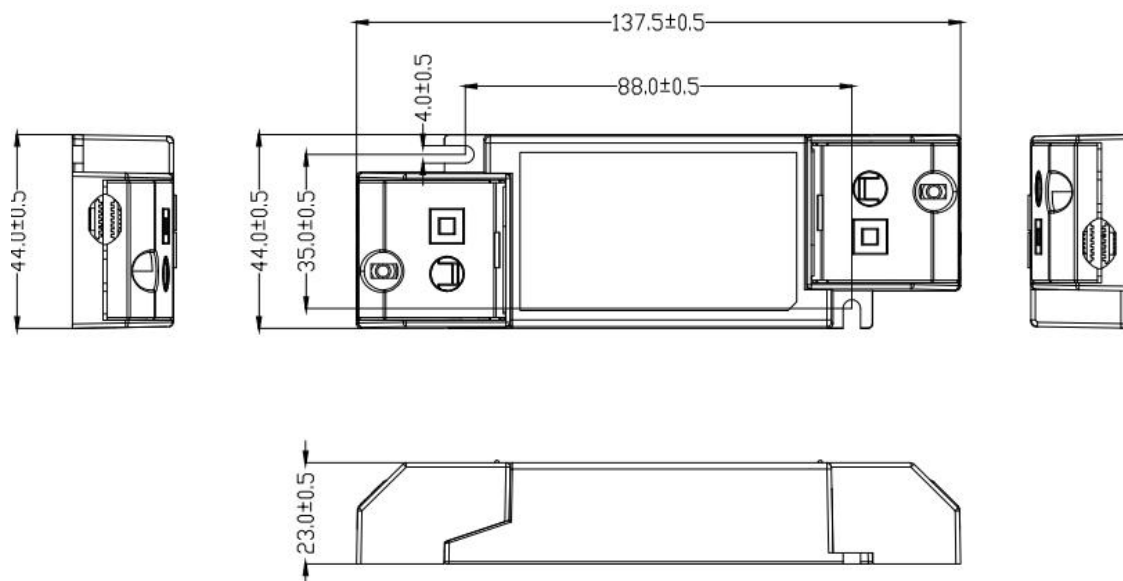
4. Dimension (Unit: mm)

Built in type:

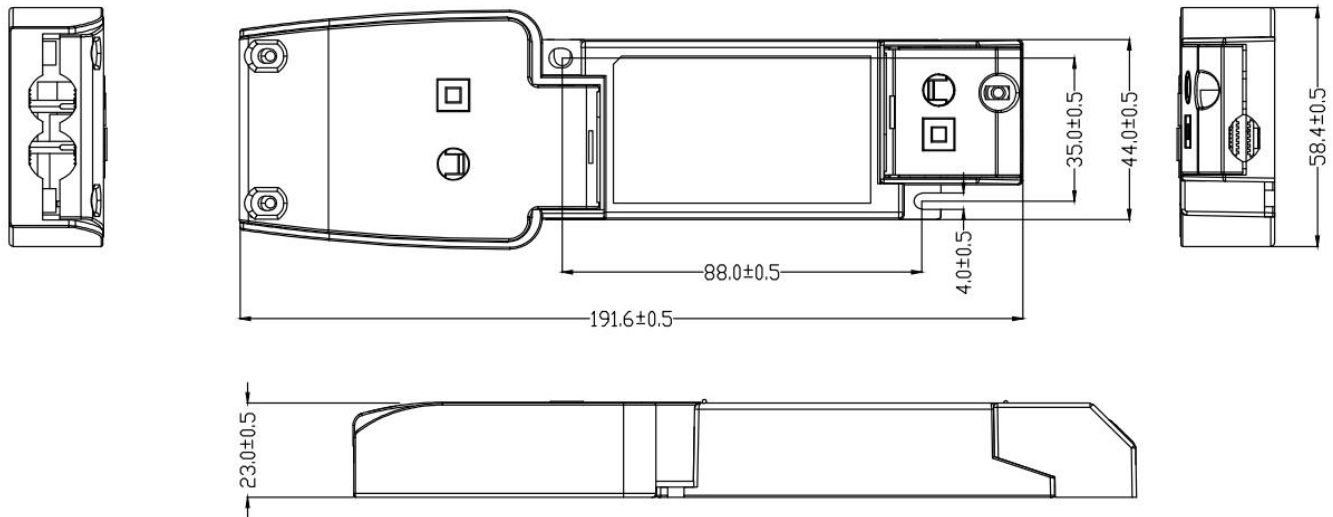


Compatible Small Strain reliefs:SR_CC_21-30-44_80
Compatible Large Strain reliefs:SR_CC_21-30-44-80_5POL

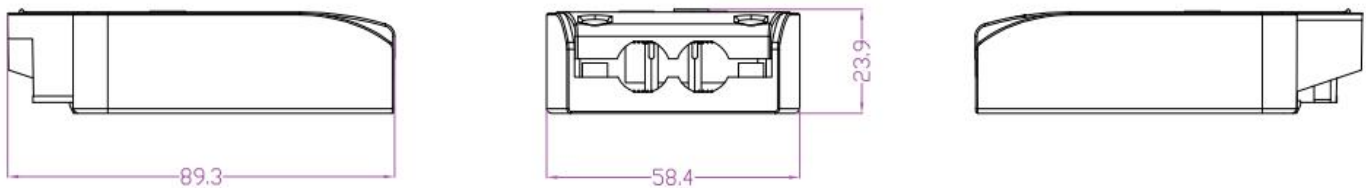
Small Strain reliefs



Large Strain reliefs



Large Strain reliefs specifications



Tolerance for dimensions ± 0.1 mm

Mechanical, Operating & Storage Conditions

Driver cross-section dimensions: 57.4-59.4 x 22.9-24.9 mm

Wire size: 0.5 - 2.5 mm²

Ambient temperature range: -25...+45 °C

Storage temperature range: -40...+90 °C

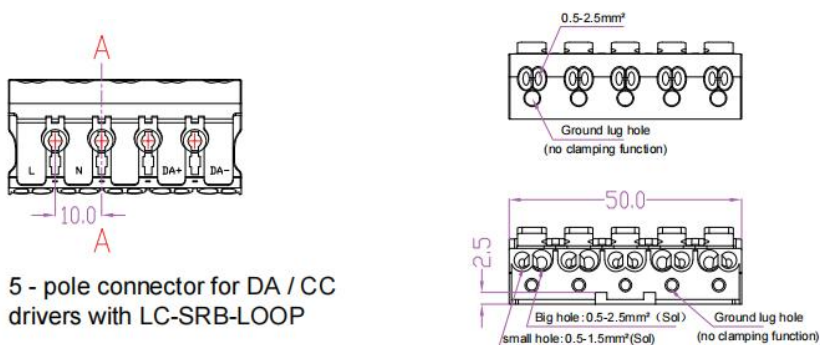
Assembly temperature range: +5...+30 °C

Do not store in wet or humid environment!

*Unless otherwise stated in the driver datasheet (for independent installation).

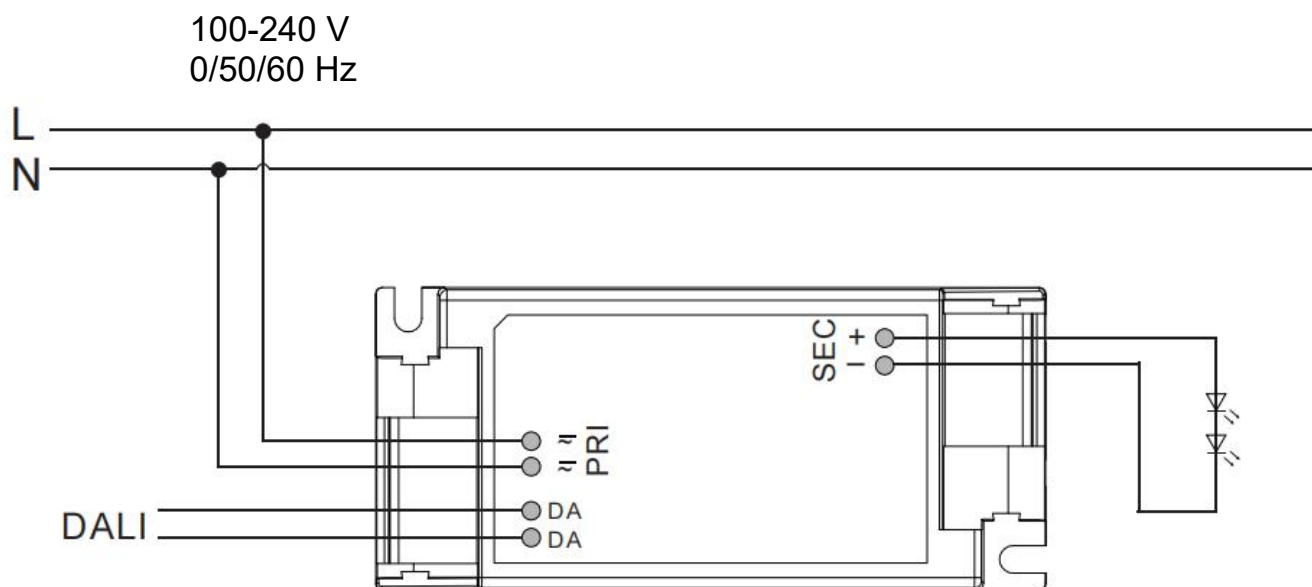
Note! T_c max temperature of the driver shall not be exceeded.

Terminal

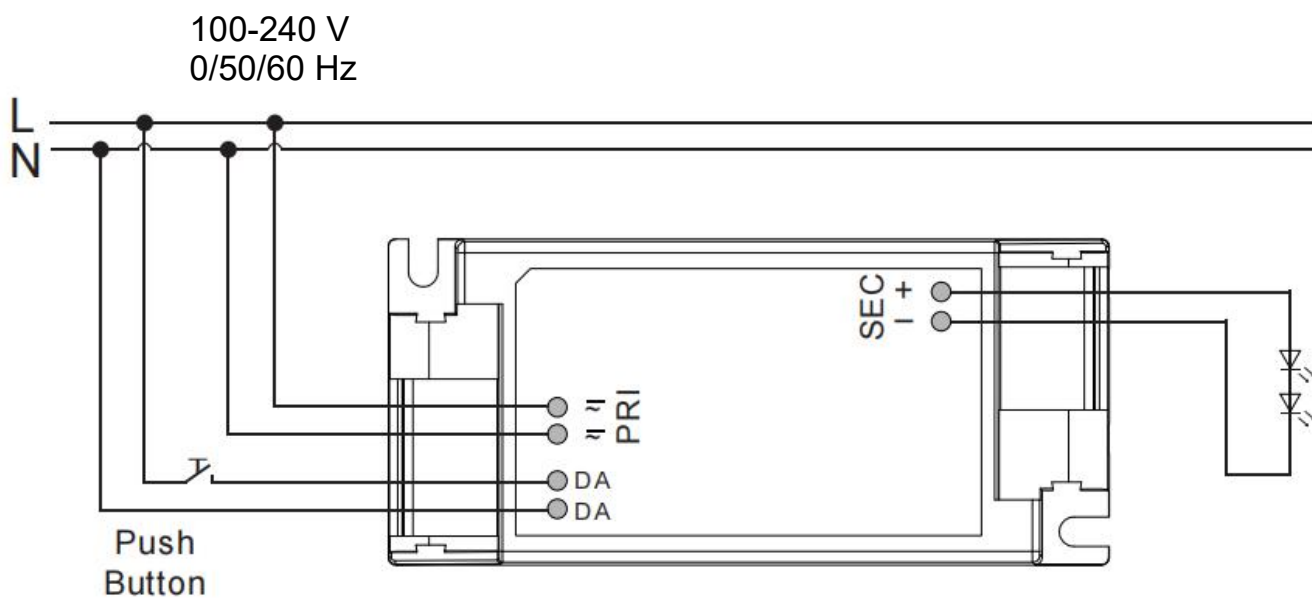


5 - pole connector for DA / CC drivers with LC-SRB-LOOP

5. Wiring Diagram

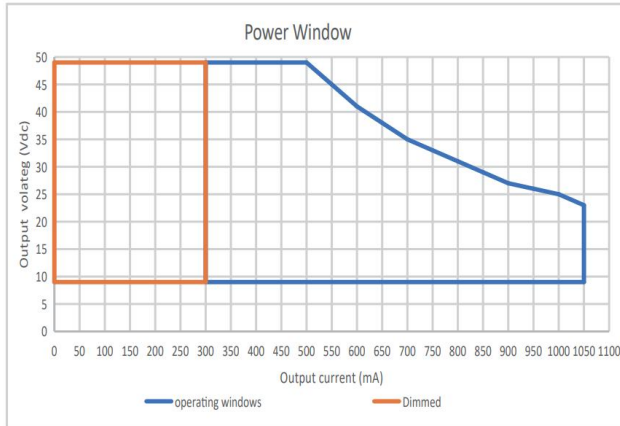


Push Dimming



6. Electrical values

1. Operating power windows



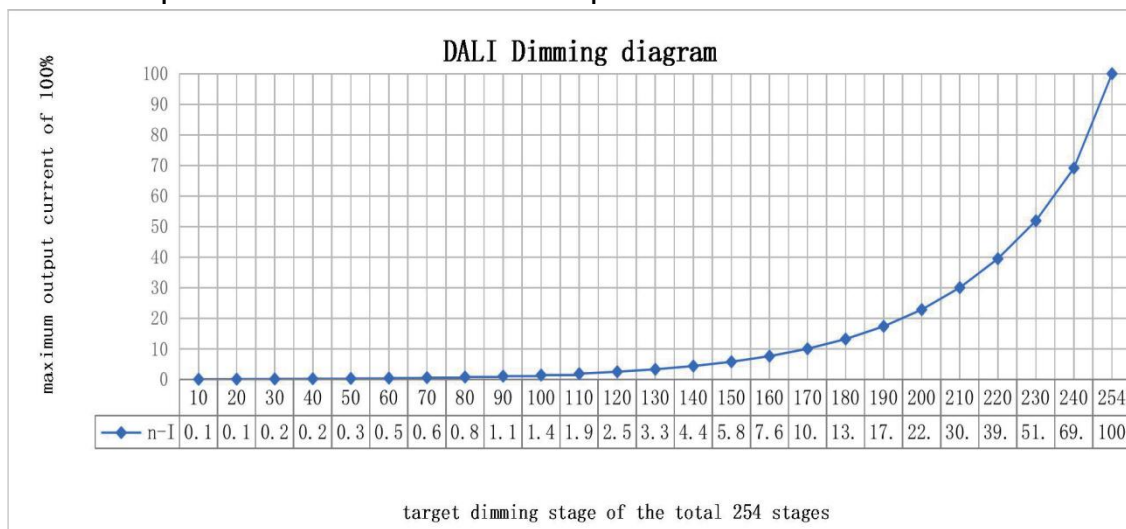
7. DALI dimming curve

formula for DALI dimming.

$$X(n) = 10^{\left\{ \left[\frac{(n-1)}{(253/3)} \right] - 1 \right\}}$$

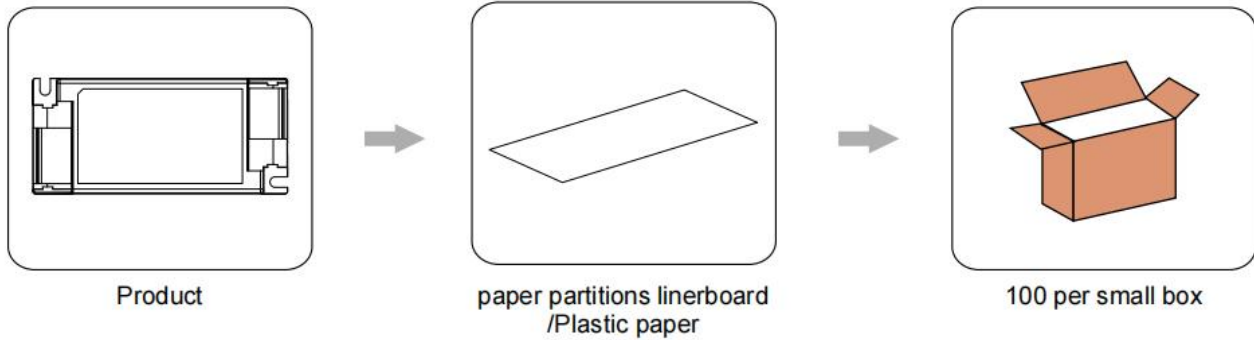
Here, n means the target dimming stage of the total 254 stages.

$X(n)$ means the percent of the maximum output current



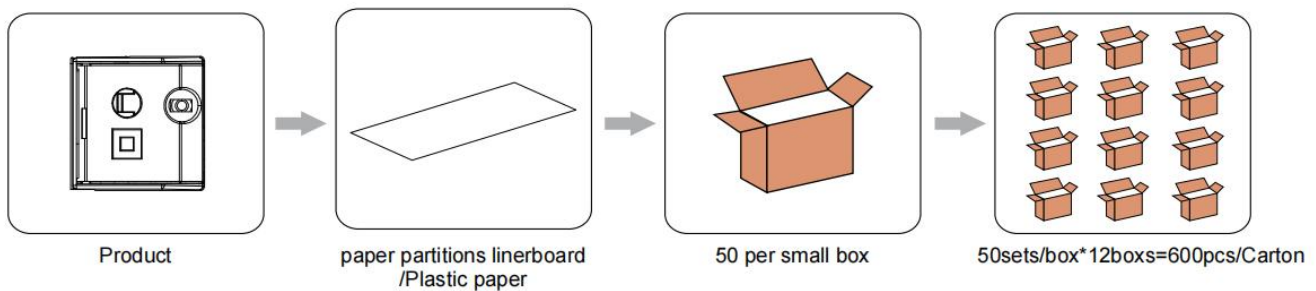
8. Packing information

Built-in type



Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
398*230*130	100	0.127	12.40	12.75

Strain reliefs



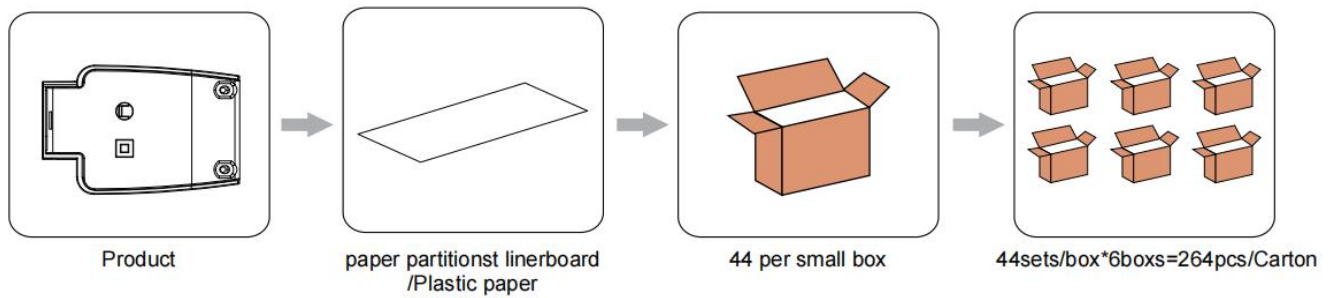
Inner box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
224*138*90	50	0.008	0.40	0.76

Outer box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
460*430*195	600	0.008	4.26	4.76

Large Strain reliefs



Inner box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
300*180*122	44	0.059	2.63	2.78

Outer box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
375*315*385	264	0.059	15.72	17.26

9. Ordering Data

Model No	Item code
CC25W300-1050-DALI-UNI-NX	160240
SR_CC_21-30-44_80	147921
SR_CC_21-30-44-80_5POL	147941

10. Constant light output (CLO)

<https://www.kdocs.cn/l/cbWalbA1eiBv>

11. Push Dim :

11.1 On / off:

Short push (120ms-600ms) on the switch

Stepless dimming: long push (> 0.6sec) on the switch

11.2 Power-on memory function

When the LED driver is powered on, it will restore the memory before the LED driver is powered off. (brightness remembers the brightness after the last dimming is stable, and the brightness during dimming is not memorized)

11.3 Light on/off

If the light is on, the light will be off after a short press. If the light is off, the light will be on after a short press. The time range of short press is 120-600mS.

11.4 PUSH Dimming

Press and hold the push switch for a long time, the light will enter the dimming state, if the previous time is dimming, it will automatically turn to dimming the next time. After releasing the reset button, the dimming stops and the current illuminance is maintained. The dimming range is 1%-100%. The default is to dim when the power is first long-press. If the brightness of the power-on is the maximum brightness, the first long-press is to dim. (Long press 0.6-3S to start dimming.)

11.5 Forced synchronization

Long press for 10 seconds to turn on all the lights and turn on the same brightness (50%), and continue to quickly short press will not change. After a short period of time without short press operation, the module exits the synchronization mode, and the short press restores the switch function.

11.6 PUSH Dimming rate

Long press the push switch 10S to switch the dimming rate to 3S, Long press the push switch 20S to switch the dimming rate to 6S.

12. REVISION HISTORY

Date	Revision	Remark
2026.16.03	V0.01	Product release
2026.27.06	V0.02	Add the logo for applying for ENEC certification