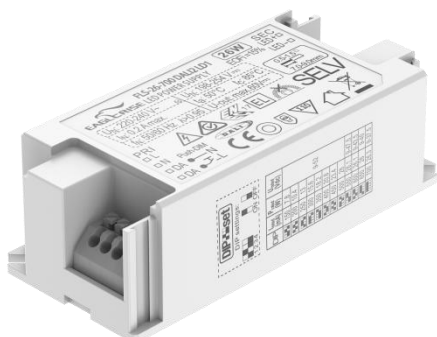


26W DALI+PUSH Dimming power supply



■ Approve

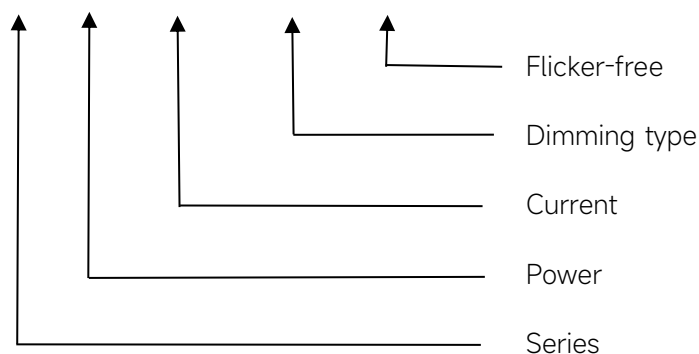


◆ Description

FLS-26-700 DALI-2 LD1 is a 26W constant current LED driver with 150 to 700mA output current and a forward voltage range from 9 to 52Vdc. The output current is adjustable by DIP Switch. With its dimensions from 97 x 43 x 30mm it is easy to integrate in LED Panel, spot and down light products. To ensure trouble-free operation, protection is provided against output short circuit and over Load.

◆ Model code

FLS-26-700 DALI-2 LD1



Features

- Class II, SELV, independent
- Input Voltage 220-240VAC
- Protections: SCP/OLP/OVP
- Power Factor : 0.95
- Efficiency : $\geq 85\%$
- Support DALI-2, Push Dimming
- 5 years warranty

Applications

- LED panel, down light, spot light,

◆ Specification

Output	Constant Current (mA)	150	200	250	300	350	400	450	500	550	600	650	700
	Voltage Range (VDC)	9-52								9-47.5	9-43.5	9-40	9-37.5
	Unload voltage Max.	60VDC											
	Current Accuracy	±7%					±5%						
	Output HF current ripple(≥1KHz)	±10%											
	Output LF current ripple(≤120Hz)	±3%											
	SVM	≤0.4											
	P _{st}	≤1											
	Efficiency(Typ.)	85%											
Input	Rated input voltage	220-240VAC											
	Range of input voltage	198-264VAC											
	Rated input voltage(DC)	198-280VDC											
	Frequency(Hz)	0/50/60 Hz											
	Displacement factor	≥0.9											
	Power Factor	>0.95											
	Input Current	0.2A											
	Start-up time	< 0.7S											
	No Load Power	≤0.5W											
	Standby Power	≤0.5W											
	Network standby power	≤0.5W											
	THD (Typ.)	<10%											
Dimming	Dimming	YES											
	Dimming mode	DALI-2 (IEC 62386-101,102,207) & Push Dimming (Corridor Function)											
	Dimming depth	1%											
	Dimming current range	1 ~100%											
Protection	Over Load Protection	103-120%											
		YES/Latch off											
	Over Voltage Protection	> 60VDC											
		YES/Latch off											
	Short circuit Protection	YES/Latch off											
	Over Temperature Protection	YES/Auto Resume											
Environment	Operating Temperature	-20°C~+50°C											
	Humidity	20%-90%RH											
	T _c	85°C											
	Storage Temperature	-25°C~+60°C											
	Lifetime	>50000h,@T _c =85°C											
Surface	Dimension	97X43X30mm (With side caps: 131X43X30mm)											

standards	EN 61347-1; EN61347-2-13; EN62384; EN55015; EN61000-3-2 ; EN61000-3-3; EN 61547;	
Others	ErP	EU 2019/2020
	RoHS	RoHS (2011/65/EU) (EU)2015/863
Note	1.All parameters NOT specially mentioned are measured at 230VAC input , full load and 25°C of ambient temperature. 2.Ripple & Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF & 47 uF parallel capacitor.	

◆ Parameter

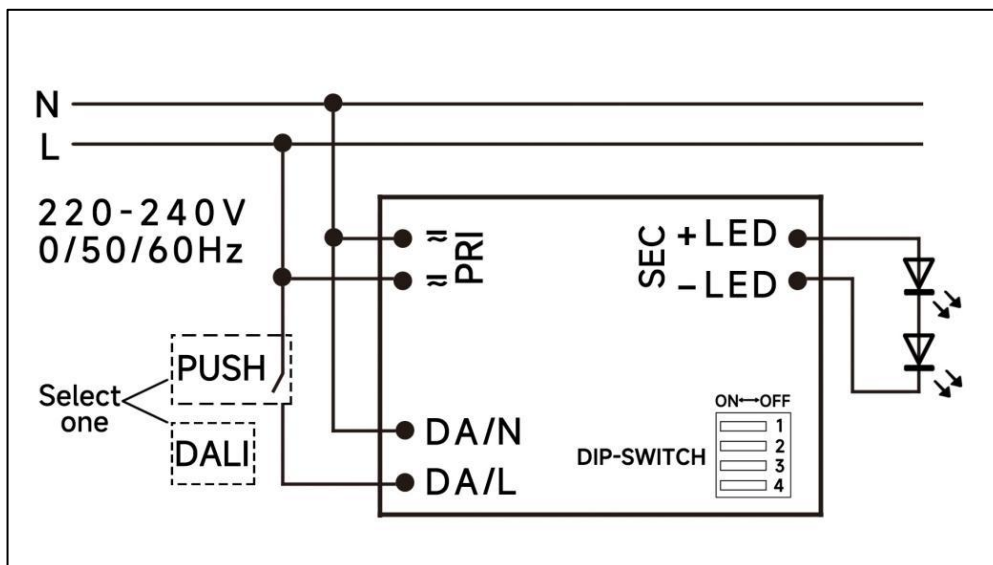
Number	Output	Switch position			
	Current(mA)	1	2	3	4
1	150	--	--	ON	--
2	200	ON	--	ON	--
3	250	--	ON	ON	--
4	300	ON	ON	ON	--
5	350	--	--	--	ON
6	400	ON	--	--	ON
7	450	--	ON	--	ON
8	500	ON	ON	--	ON
9	550	--	--	ON	ON
10	600	ON	--	ON	ON
11	650	--	ON	ON	ON
12	700	ON	ON	ON	ON

* Factory default

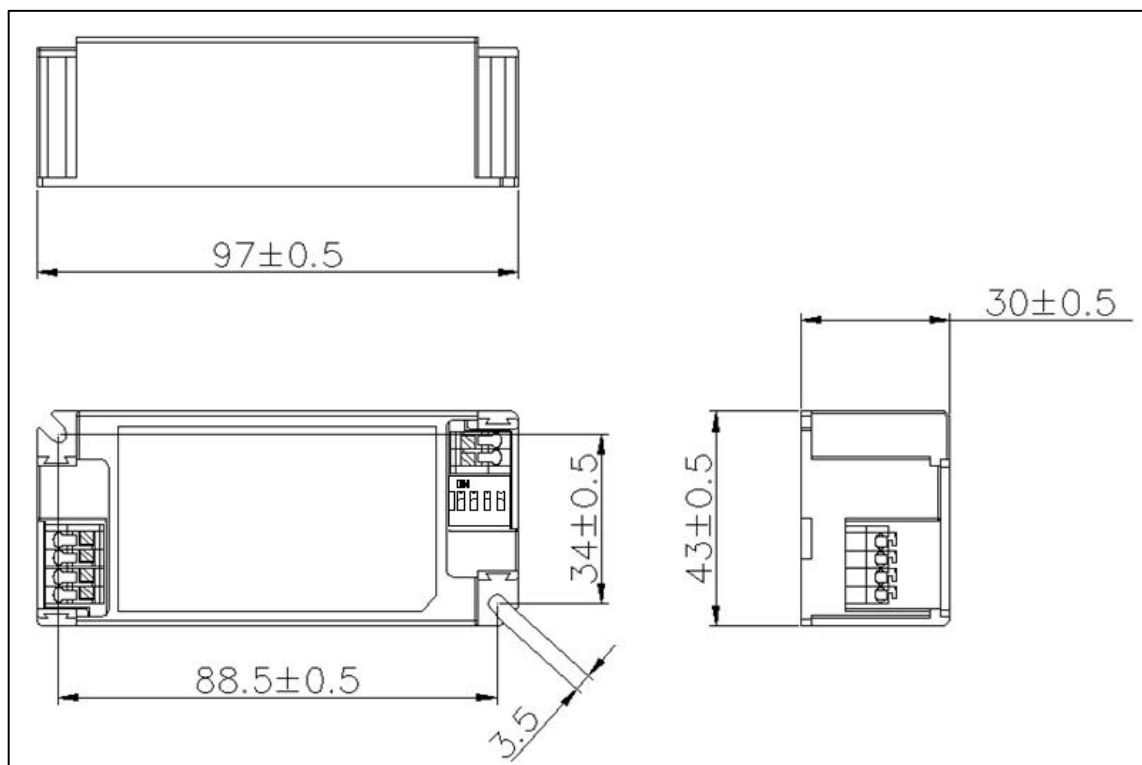
◆ Circuit Breaker

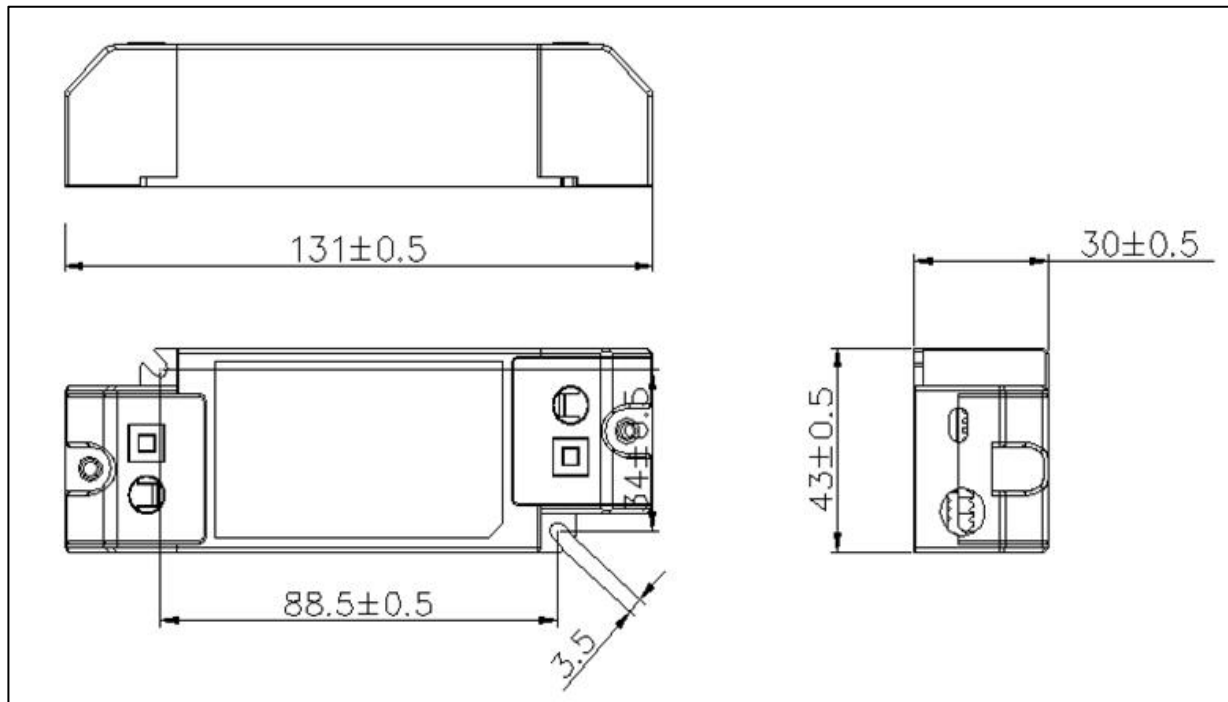
Ipeak	Twidth	B10	B16	B20	C10	C16	C20
5.88A	32.4μs	40pcs	64pcs	80pcs	40pcs	64pcs	80pcs

◆ Wiring diagram



◆ 2D diagram



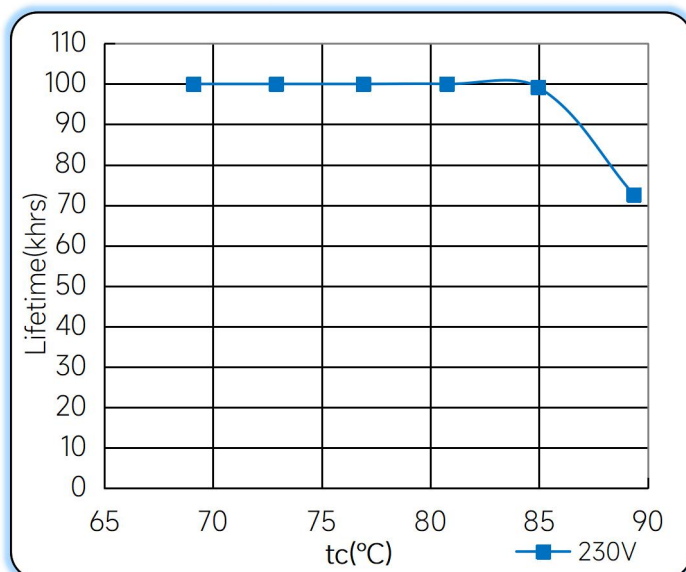


◆ Wiring & Connections

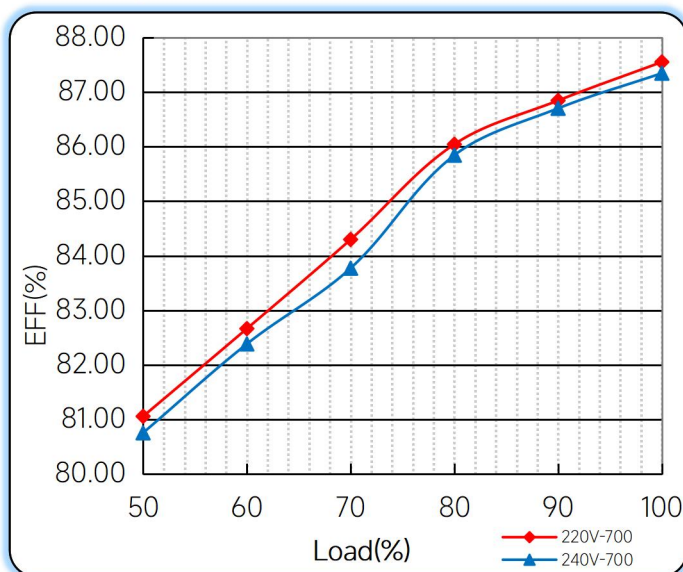
Specification item		Value (Unit)
Input	Input wire cross-section	0.5...1.5 mm ²
	Input wire gauge.	16...20 AWG
	Input wire strip length	7...9mm
Output	Output wire cross-section	0.5...1.5 mm ²
	Output wire gauge.	16...20 AWG
	Output wire strip length	7...9mm

◆ Curve for FLS-26-700 DALI-2 LD1, $I_o=700mA$

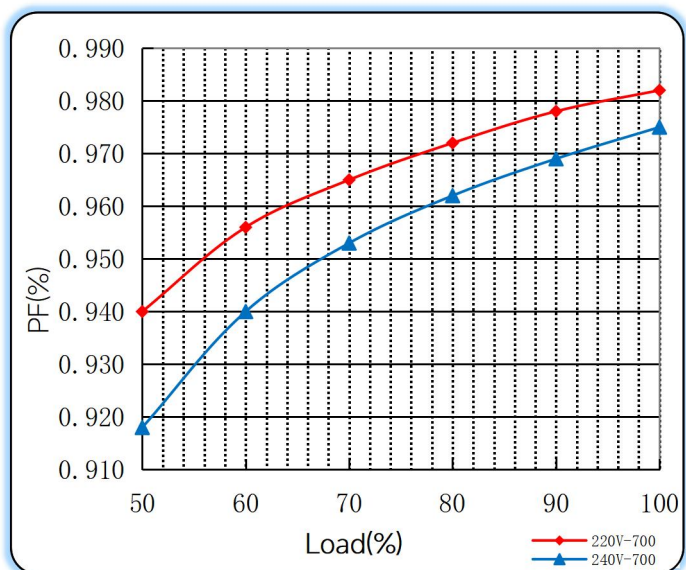
Lifetime vs. Temperature Curve



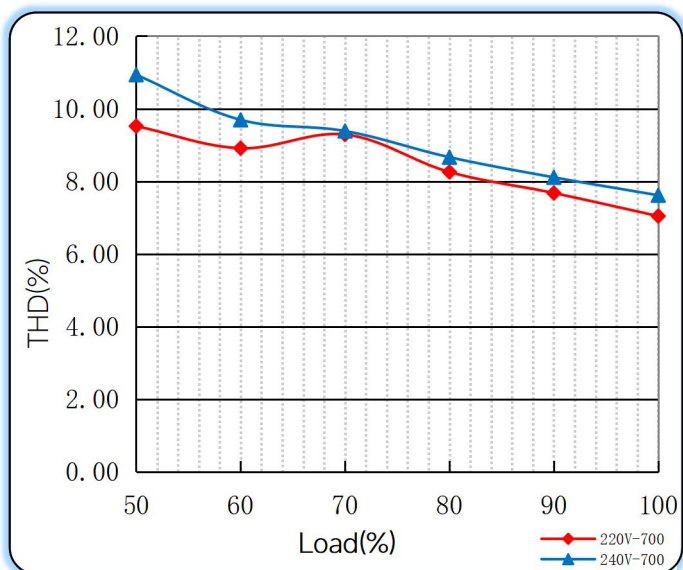
Efficiency vs. Load



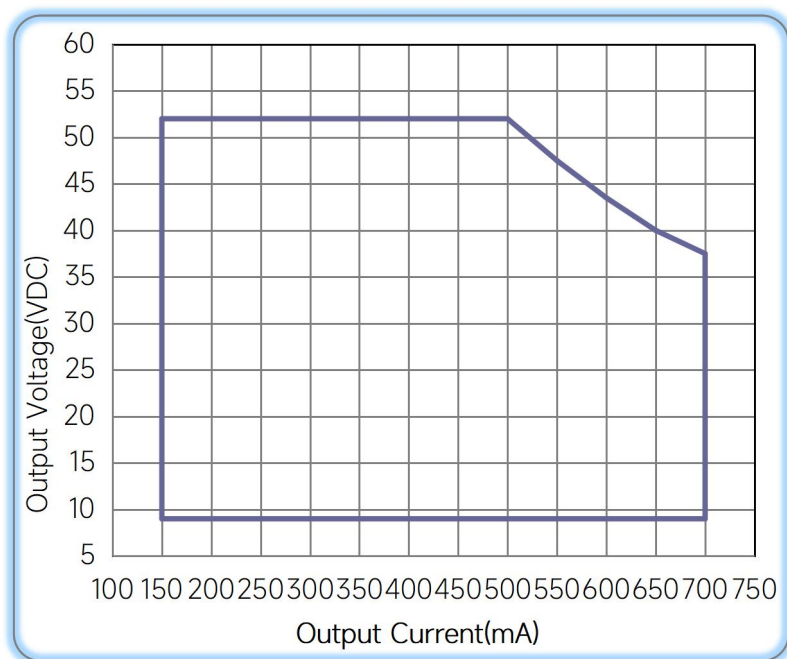
Power Factor Characteristics



THD vs. Load



◆ Operating window



— Operating window 100%

◆ Revision Updates

ITEM	BEFORE	AFTER	VERSION	DATE
Initial			A	2022-02-15
Start-up time	0.5S	0.7S	A	2022/08/12

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Manual