

26W Blue+Push Dimming power supply



■ Approve

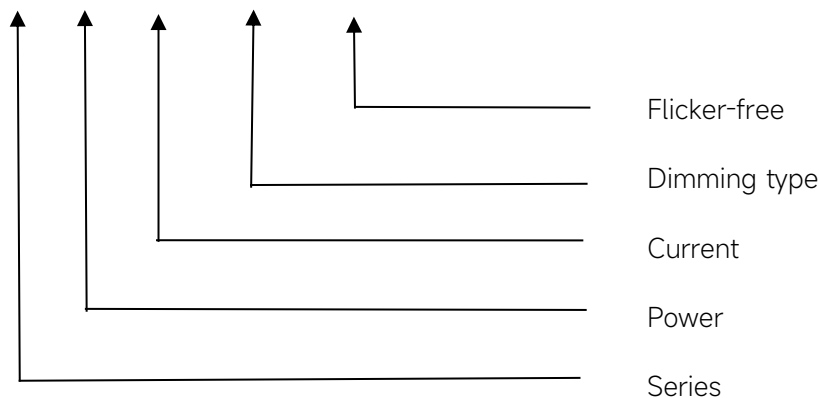


◆ Description

FLS-26-700 Blue LA-CSB is a 26W constant current LED driver that operates from 198-264Vac input with 150 to 700mA output current and a forward voltage range from 9 to 52Vdc. The output current is adjustable by DIP Switch. With it's compact dimensions from 97 x 43 x 30 mm it is easy to integrate in LED strips products. To ensure trouble-free operation, protection is provided against output short circuit and over Load.

◆ Model code

FLS-26-700 Blue LA-CSB



Features

- Class II, SELV, built-in
- Input Voltage: 220-240VAC
- Protections: SCP/OLP/OVP/OTP
- Power Factor: 0.95
- Efficiency: 86%
- 5 years warranty
- IP20/IP40

Applications

- LED strips, LED down light
- LED ceiling light

◆ Specification

	Constant Current (mA)	150mA	200mA	600mA	700mA
Output	Voltage Range(VDC)	9-52V		9-43V	9-37V
	Unload voltage Max.(VDC)	60V				
	Current Accuracy	±5%				
	Output HF current ripple(≥1KHz)	≤±3%				
	Output LF current ripple(≤120Hz)	≤±3%				
	SVM	≤0.4				
	P _{st}	≤1				
	Efficiency(Typ.)	≥86%				
	Input	Rated input voltage(VAC)	220-240VAC			
Range of input voltage(VAC)		198-264VAC				
Range of input voltage(VDC)		176-280VDC				
Frequency(Hz)		0/50/60 Hz				
Displacement factor		≥0.9				
Power Factor		> 0.95				
Input Current max		0.17A MAX				
Start-up time		< 0.5S				
No Load Power		≤0.5W				
Standby Power		≤0.5W				
Network standby power		≤0.5W				
THD (Typ.)		<10%				
Dimming	Dimming	YES				
	Dimming mode	Bluetooth				
	Dimming depth	1%				
	Dimming current range	5~100%				
Protection	Over Load Protection	103-120%				
		Protection type: Auto Resume				
	Over Voltage Protection	50VDC				
		Protection type: Auto Resume				
	Short circuit Protection	Protection type: Auto Resume				
	Over Temperature Protection	Protection type: Auto Resume				
Environment	Operating Temperature	-25°C...+50°C				
	Humidity	20%-95%RH				
	T _c	85°C				
	Storage Temperature	25°C...+60°C				
	Life time	> 50,000h@T _c =85°C				
Surface	Dimension	97X43X30mm (With side caps :131X43X30mm)				

Standards	EN 61347-1; EN61347-2-13; EN62384 EN55015; EN61000-3-2 Class C; EN61000-3-3; EN 61547; EN 61000-4-2; EN 61000-4-5 —1000V;	
Others	ErP	EU 2019/2020
	RoHS	RoHS (2011/65/EU) (EU)2015/863
Note	<p>1.All parameters NOT specially mentioned are measured at 230VAC input , full load and 25°C of ambient temperature.</p> <p>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.</p> <p>3.The DC input for this product is only used for emergency lighting and applies to functional and safety requirements, EMC is not considered.</p> <p>4.Data are typical values obtained from test samples</p>	

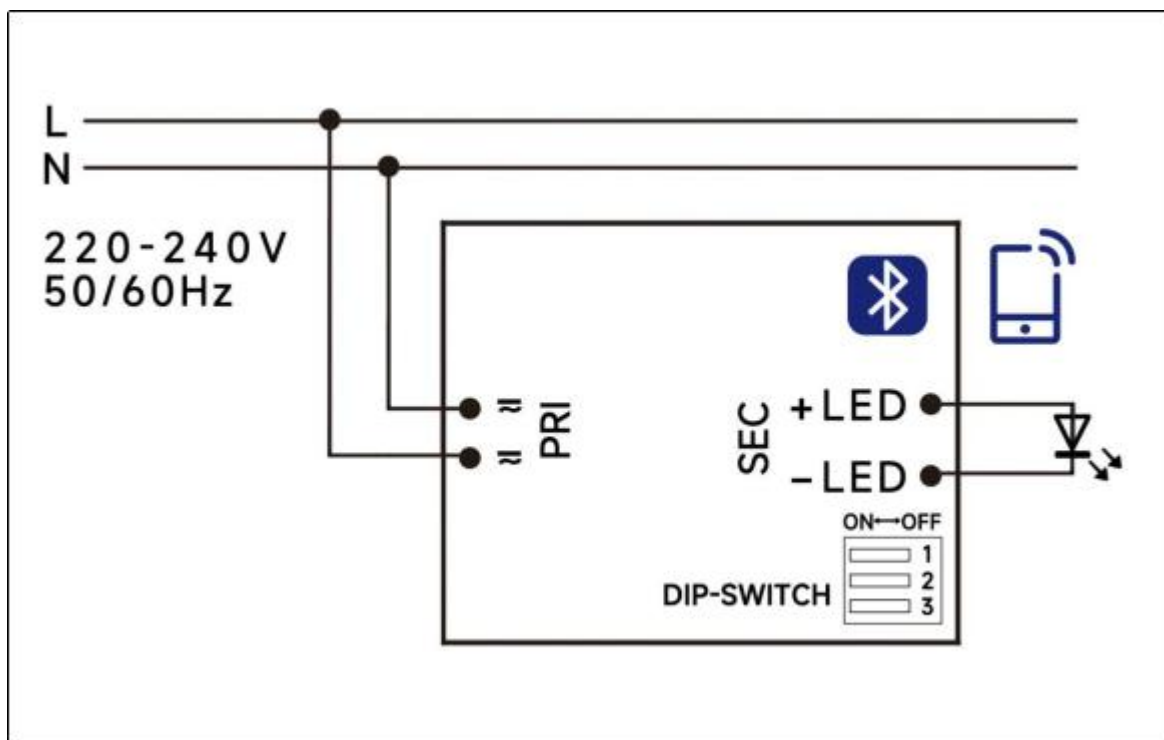
◆ Parameter

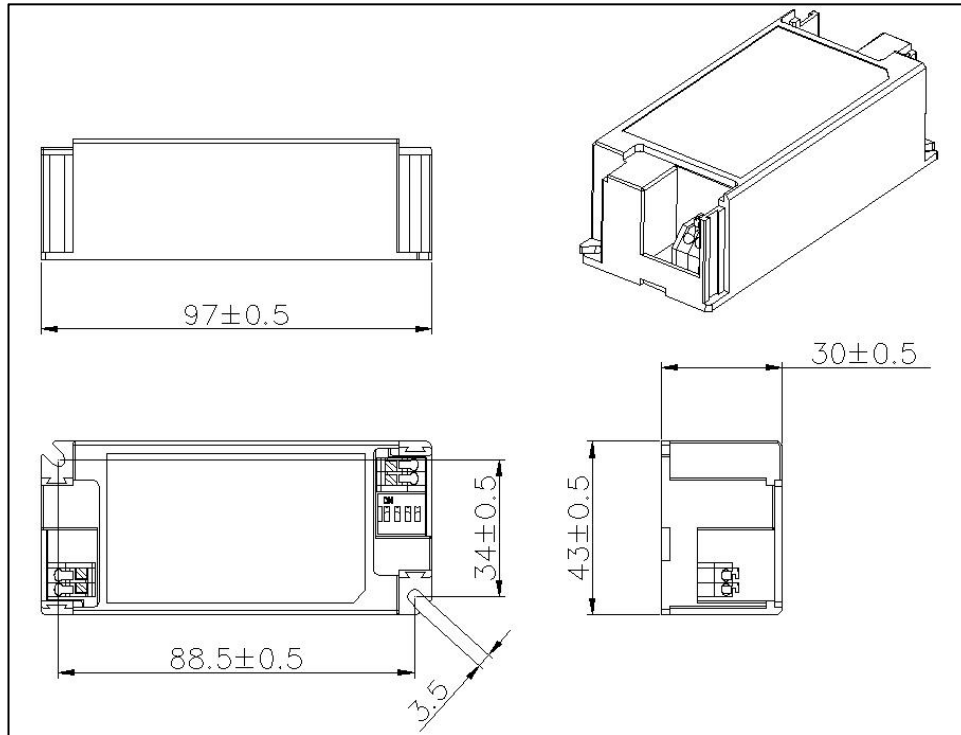
Number	Output				Switch position		
	Current (mA)	Voltage (VDC)	Voltage No load (VDC)	Power (W)	1	2	3
1	150mA	9-52VDC	60V	7.8	--	--	--
2	200mA			10.4	ON	--	--
3	250mA			13	--	ON	--
4	300mA			15.6	ON	ON	--
5	350mA			18.2	--	--	ON
6	500mA			26	ON	--	ON
7	600mA	9-43VDC		25.8	--	ON	ON
*8	700mA	9-37VDC		25.9	ON	ON	ON

* Factory default

◆ Circuit Breaker

I _{peak}	T _{width}	B10	B16	B20	C10	C16	C20
4.73A	28.34μs	47pcs	75pcs	94pcs	47pcs	75pcs	94pcs

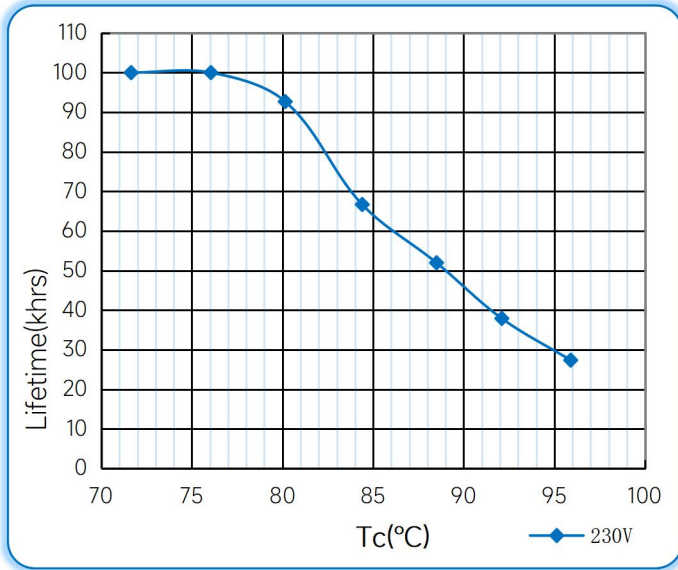
◆ Wiring diagram

◆ 2D diagram

◆ Wiring & Connections

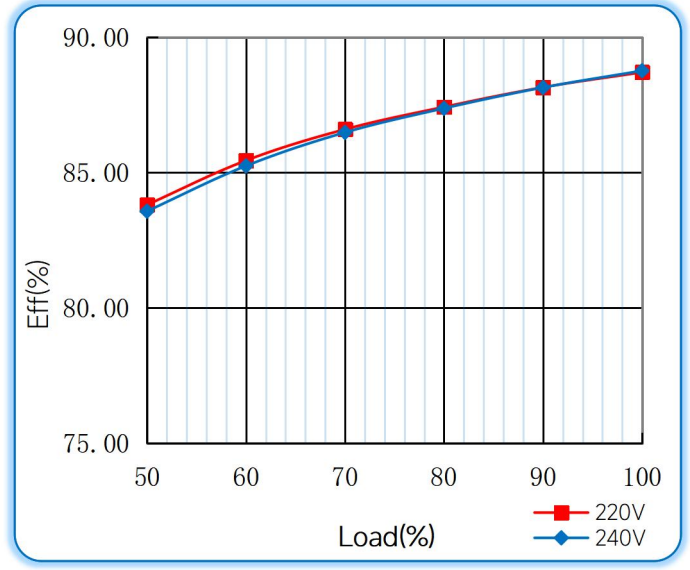
	Specification item	Value (Unit)
Input	Input wire cross-section	0.5...1.5 mm ²
	Input wire gauge.	16...20 AWG
	Input wire strip length	7...9mm
Output	Output wire cross-section	0.5...1.5 mm ²
	Output wire gauge.	16...20 AWG
	Output wire strip length	7...9mm

◆ Curve for FLS-26-700 Blue LA-CSB, $I_o=700mA$

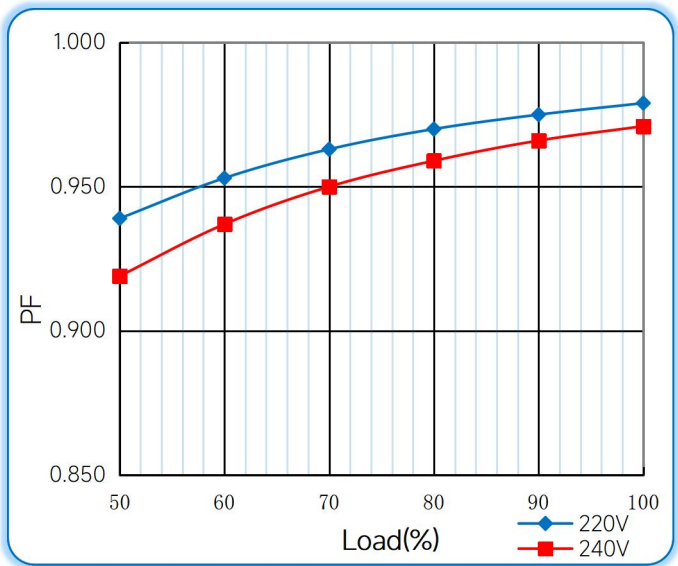
Lifetime vs. Temperature Curve



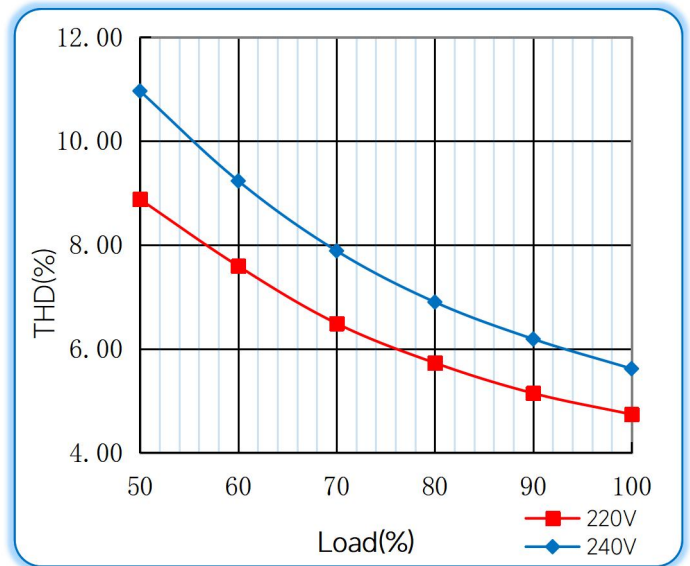
Efficiency vs. Load



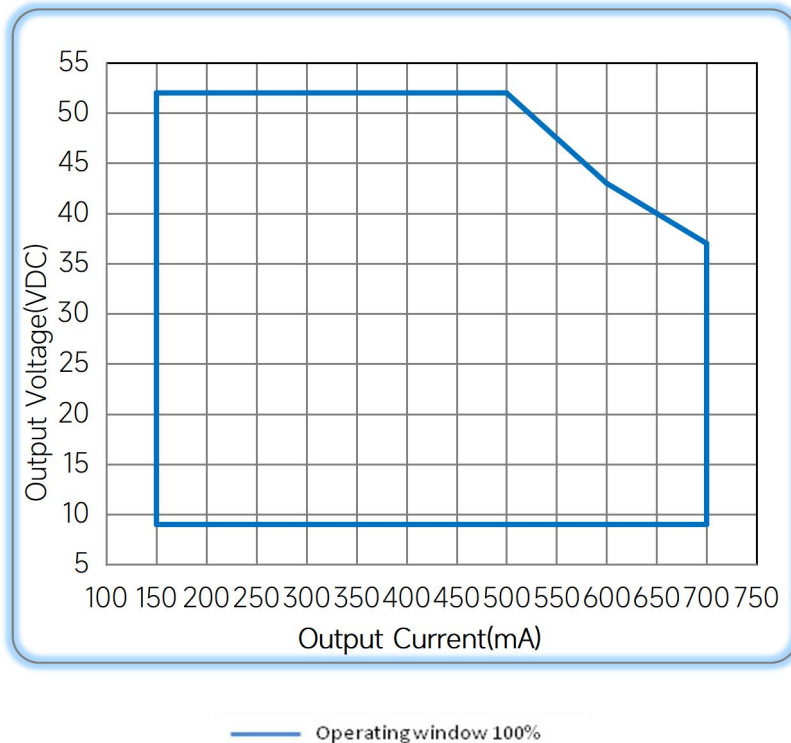
Power Factor Characteristics



THD vs. Load



◆ **Operating window**



◆ **Revision Updates**

ITEM	BEFORE	AFTER	VERSION	DATE
Initial			A	2022/05/15

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Manual