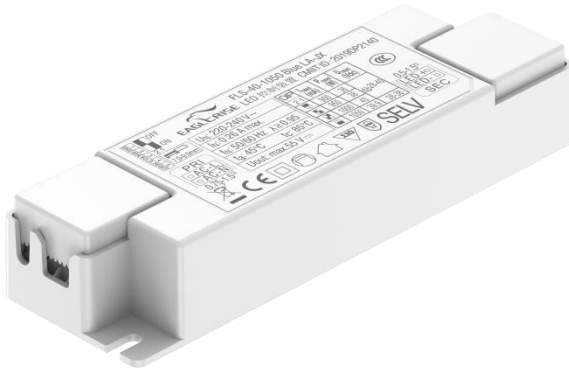


40W Blue Constant Current Dimming power supply



Features

- Class II, SELV , Independent
- Input Voltage: 220-240VAC
- Protections: SCP/OLP/OVP/OTP
- Power Factor: 0.95@Full load
- Efficiency: $\geq 87\%$ @Full load
- Adjustable Output Current with dip-switch
- Support Blue
- 5 years warranty

Applications

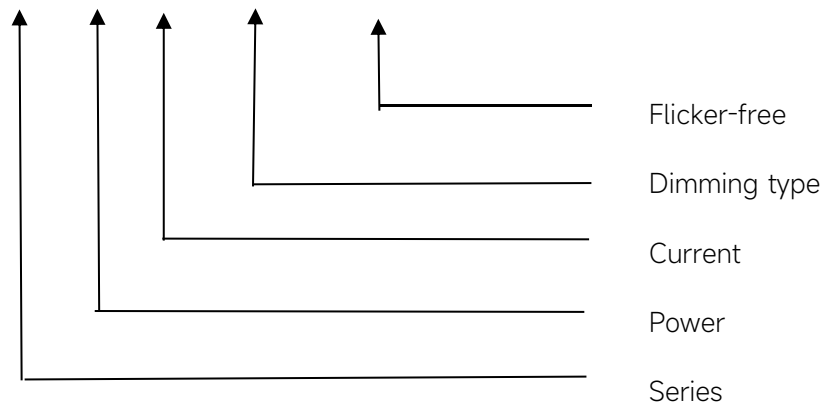
- LED panel

◆ Description

FLS-40-1050 Blue LA-JX is a 40W constant current LED driver that operates from 198-264Vac input with 900 to 1050mA output current and a forward voltage range from 28 to 40Vdc. The output current is adjustable by DIP Switch. With it's compact dimensions from 135 x 42 x 25 mm. It is easy to integrate in LED panel products. To ensure trouble-free operation, protection is provided against output short circuit and over Load.

◆ Model code

FLS-40-1050 Blue LA-JX



◆ Specification

Output	Constant Current (mA)	900mA	950mA	...	1050mA
	Voltage Range(VDC)	28-40VDC			28-38VDC
	Unload voltage Max.(VDC)	55VDC			
	Current Accuracy	±5%			
	Output HF current ripple(≥1KHz)	≤±3%			
	Output LF current ripple(≤120Hz)	≤±1%			
	SVM	≤0.4			
	Pst	≤1			
	Efficiency(Typ.)	87%@220-240VAC, full load			
Input	Rated input voltage(VAC)	220-240VAC			
	Range of input voltage(VAC)	198-264VAC			
	Frequency(Hz)	50/60 Hz			
	Displacement factor	≥0.9@220-240VAC, full load			
	Power Factor	≥0.95@220-240VAC, full load			
	Input Current max	0.26A Max.			
	Start-up time	< 1S			
	No Load Power	≤0.5W			
	Standby Power	≤0.5W			
	Network standby power	≤0.5W			
	THD (Typ.)	<10%@220-240VAC, full load			
Dimming	Dimming	YES			
	Dimming mode	Bluetooth			
	Dimming depth	10%			
	Dimming current range	10~100%			
Protection	Over Load Protection	103-120% YES/Auto Resume			
	Over Voltage Protection	>55VDC YES/Auto Resume			
	Short circuit Protection	YES/Auto Resume			
	Over Temperature Protection	YES/Auto Resume			
Environment	Operating Temperature	-20°C...+45°C			
	Humidity	20%-90%RH			
	Tc	85°C			
	Storage Temperature	-20°C...+80°C			
	Life time	> 50,000h@ta=45°C,230VAC			
Surface	Dimension	135X25X 42(LXWXH)mm			
standards	EN 61347-1; EN61347-2-13; EN62384; EN55015; EN61000-3-2 Class C; EN61000-3-3; EN 61547				

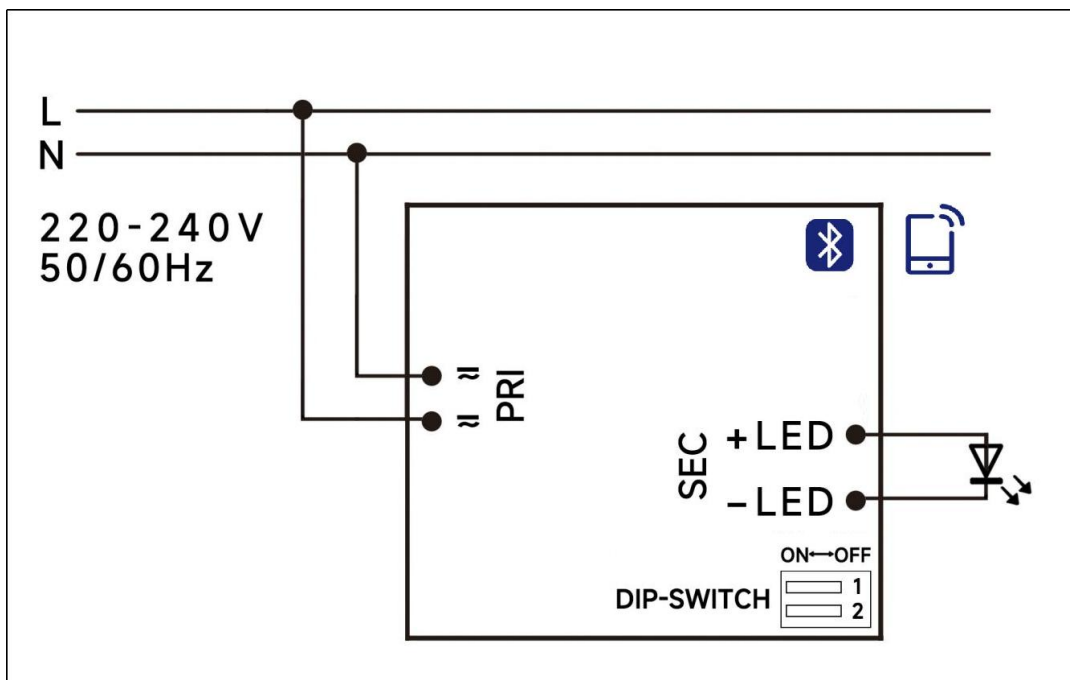
Others	ErP	EU 2019/2020
	RoHS	RoHS (2011/65/EU) (EU)2015/863
Note	1.All parameters NOT specially mentioned are measured at 230VAC input , full load and 25°C of ambient temperature. 2.Ripple & Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF & 47 uF parallel capacitor. 3.Switch and dimmer are not recommended to connect between this product output and luminaries.	

◆ Parameter

Number	Output				Switch position	
	Current (mA)	Voltage (VDC)	Voltage No load (VDC)	Power (W)	1	2
1	900mA	28-40VDC	55VDC	36W	--	--
2	950mA			38W	ON	--
3	1000mA			40W	--	ON
*4	1050mA			28-38VDC	39.9W	ON

* Factory default

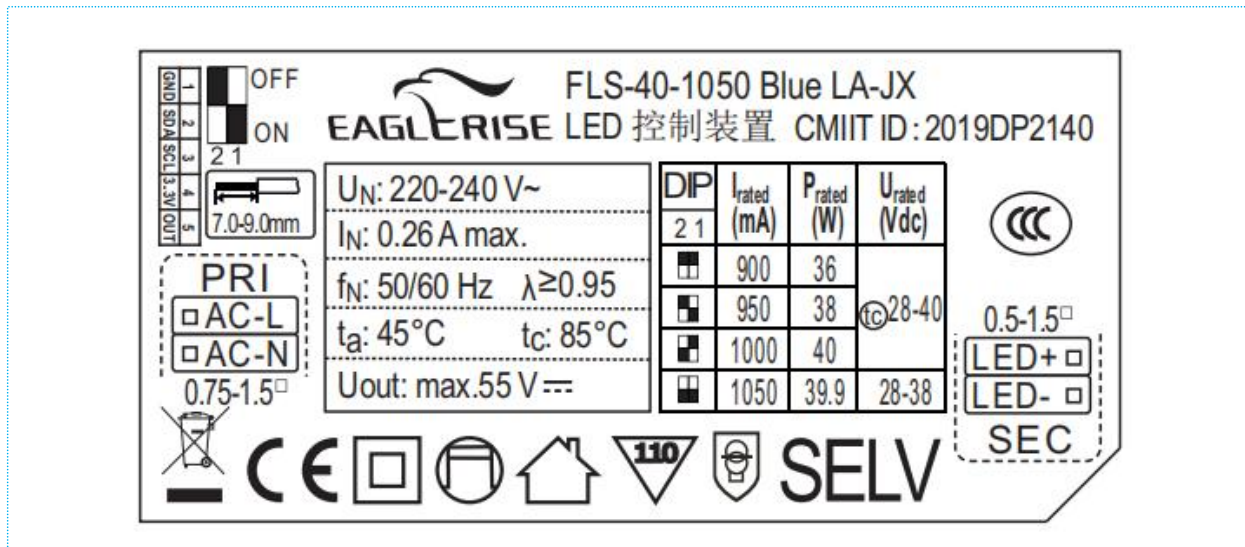
◆ Wiring diagram



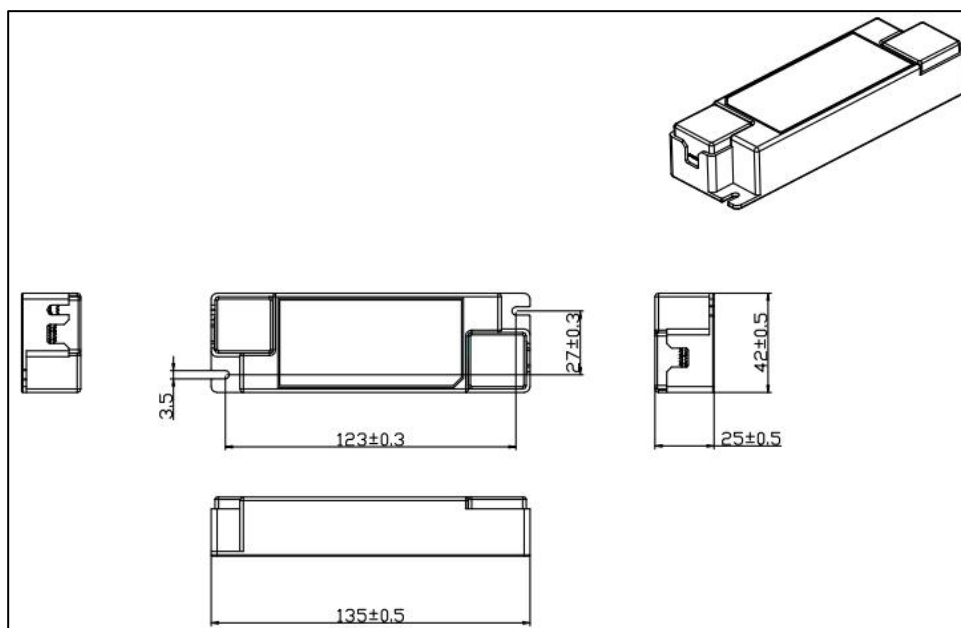
◆ Ordering data

Type	Pcs/Ctn	G.W.(KG/Ctn)	N.W.(KG/Ctn)	Dimension /Ctn (mm)
FLS-40-1050 Blue LA-JX	72	9.02	7.92	380 X 285 X 225

◆ Label

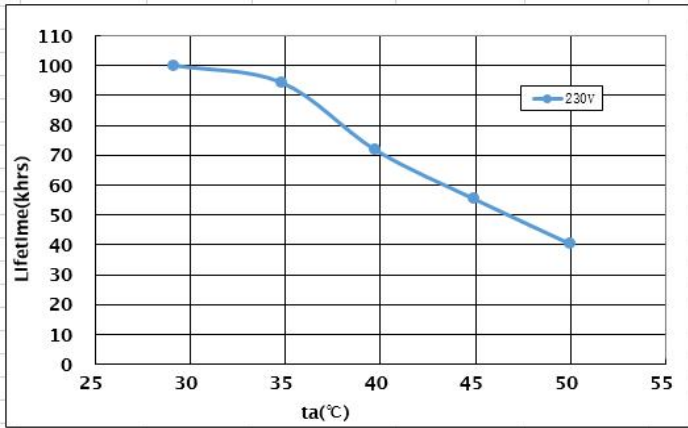


◆ 2D diagram

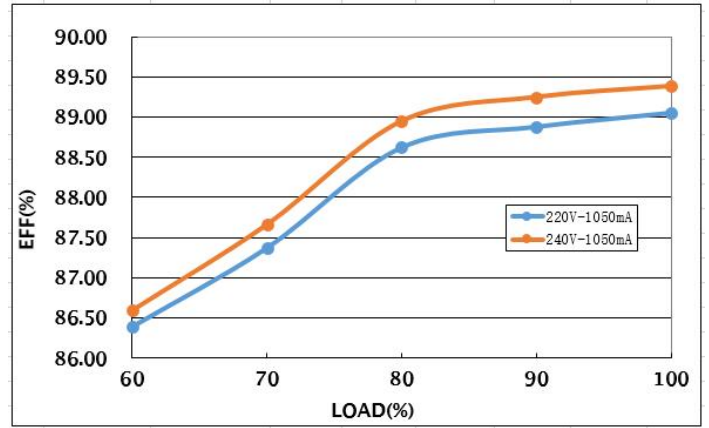


◆ Curve for FLS-40-1050 Blue LA-JX, $I_o=1050\text{mA}$

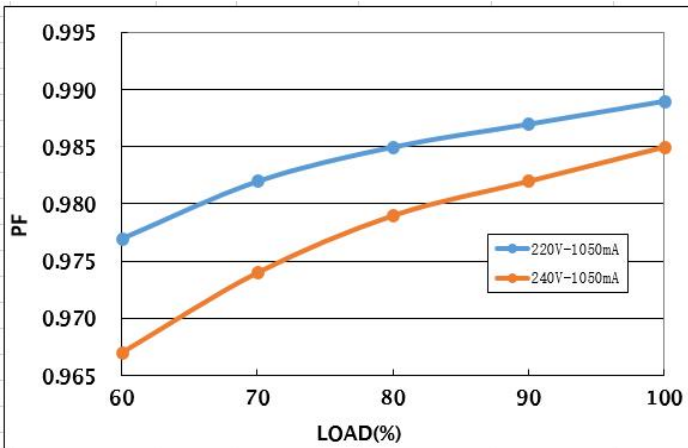
Lifetime vs. Ambient Temperature Curve



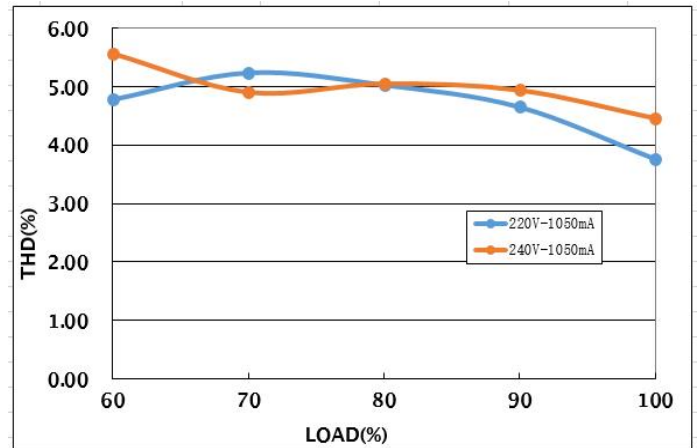
Efficiency vs. Load



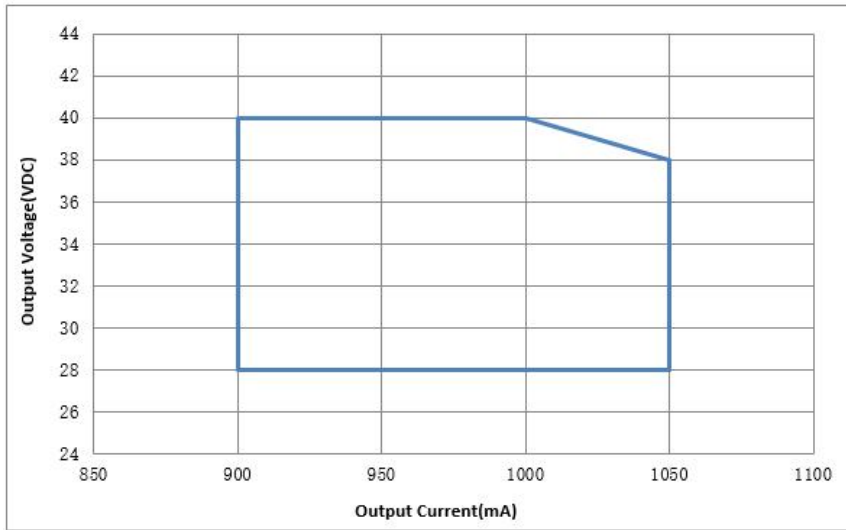
Power Factor Characteristics



THD vs. Load



◆ Operating window



— Operating window 100%

◆ Revision Updates

ITEM	BEFORE	AFTER	VERSION	DATE
Initial			A	2022/05/10

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Manual