

GLEC-LIN-80-700 ENDS

80W Constant Current Linear Series

This is 80W non-isolated Constant current LED driver that operates from 198-264Vac input with 300 to 700mA output current. The output current is adj. by dip-switch. With it's long dimensions from 280 x 30 x 22mm it is easy to integrate in linear light and troffer light products. To ensure trouble-free operation, protection is provided against output short circuit, over Load and over temperature.

Application

- ◆ Linear light
- ◆ Troffer light



Features

- ◆ Flicker free
- ◆ Class I, Non-Isolated design, Built-in
- ◆ Protections: SCP/OLP/OVP/OTP.
- ◆ Power Factor >0.9
- ◆ Efficiency $\geq 90\%$.
- ◆ 5 Year Warranty.
- ◆ Dip Switch

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Technical data

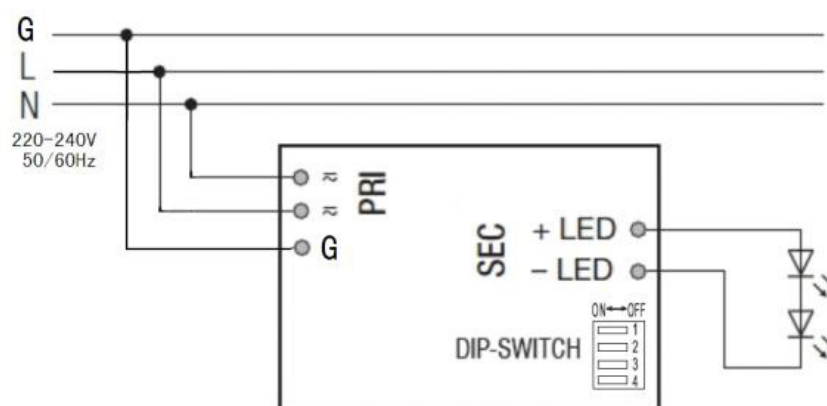
Input	Ac input voltage	220-240VAC
	DC input voltage	198-280V
	Frequency(Hz)	0/50/60 Hz
	Power Factor	>0.9@220-240VAC
	Input Current max	0.53A MAX. @Full Load,198VAC
	Start-up time	<0.5S
	Unload Power Consumption	≤0.7W
	Inrush Current	50A Max.
Output	Constant Current	700mA tp 300mA
	No load voltage Max	250 VDC
	Output voltage range	30-180VDC
	Rated power	80W Max.
	Load Regulation	±5%@220-240VAC
	Hold-up Time	1s max.@Full Load
	Efficiency(Typ.)	≥90%
Protection	Over Load Protection	103-120% Protection type: Auto Resume
	Over Voltage Protection	> 250VDC Protection type: Auto Resume
	Short circuit Protection	Protection type: Auto Resume
Environment	Operating Temperature	-25°C...+50°C
	tc	80°C
	Humidity	5%-85%RH
	Safety standards	EN 61347-1; EN61347-2-13; EN62384;
	Withstand voltage	Input-FG : 1500V/5mA/1min;
	EMI	EN55015; EN61000-3-2 Class C; EN61000-3-3
	EMS	EN 61547; EN 61000-4-2; EN 61000-4-5 —L-N 1KV L/N-PE
	Dimension(LXWXH)	280X30X22(LXWXH)mm
Note	Ripple and noise are measured at 20MHZ of bandwidth by using a 300mm twisted pair-wire terminated	
	All parameters NOT specially mentioned are measured at 240VAC input, full load and 25C of ambient temperature.	

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Adjustable Output Current with dip-switch

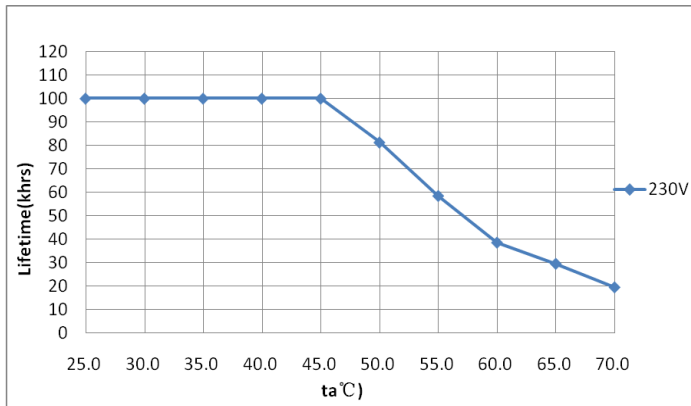
Vo	Po	Io	1	2	3	4
30-180VDC	54W	300mA	--	--	--	--
30-180VDC	63W	350mA	--	--	--	ON
30-160VDC	64W	400mA	--	--	ON	ON
30-160VDC	72W	450mA	--	ON	ON	--
30-160VDC	80W	500mA	--	ON	ON	ON
30-145VDC	80W	550mA	ON	--	ON	--
30-133VDC	80W	600mA	ON	--	ON	ON
30-123VDC	80W	650mA	ON	ON	ON	--
30-114VDC	80W	700mA	ON	ON	ON	ON

Wiring diagram

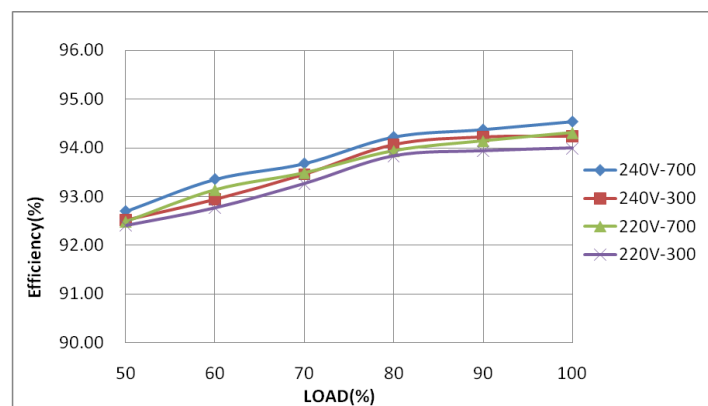


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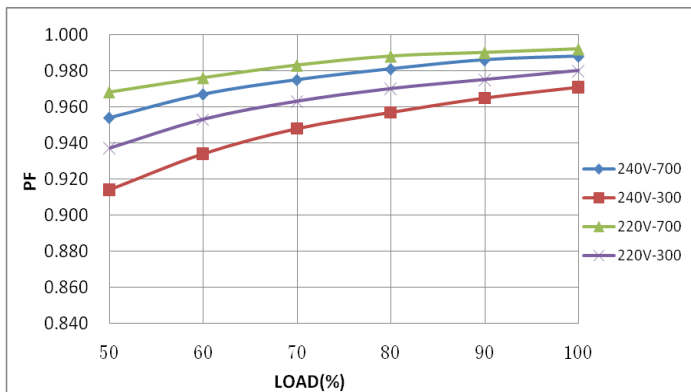
Lifetime vs. Ambient Temperature Curve



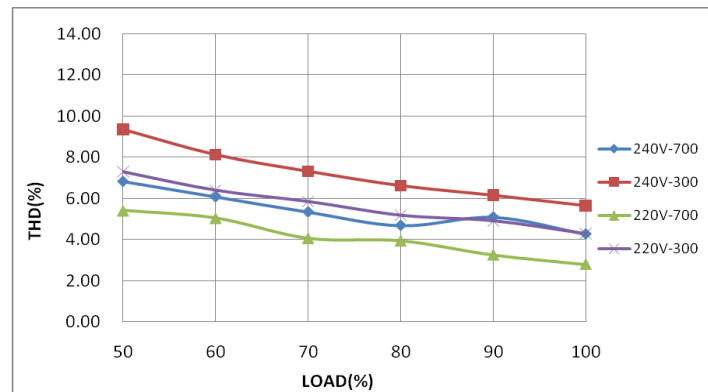
Efficiency vs. Load



power factor characteristics



THD vs. Load



Dimensions

