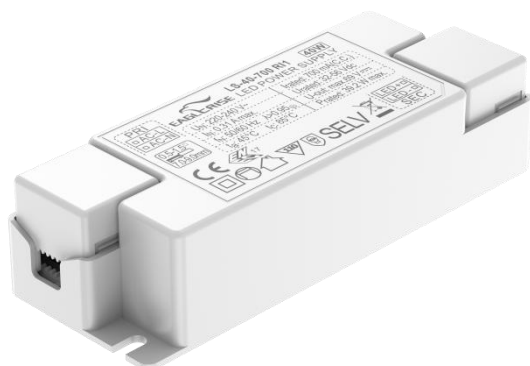


40W Constant Current -LS Series



■ Approve



Features

- Class II, SELV, independent
- Input Voltage 220-240VAC
- Protections: SCP/OLP/OVP
- Power Factor 0.95C
- Efficiency $\geq 88\%$
- 5 years warranty

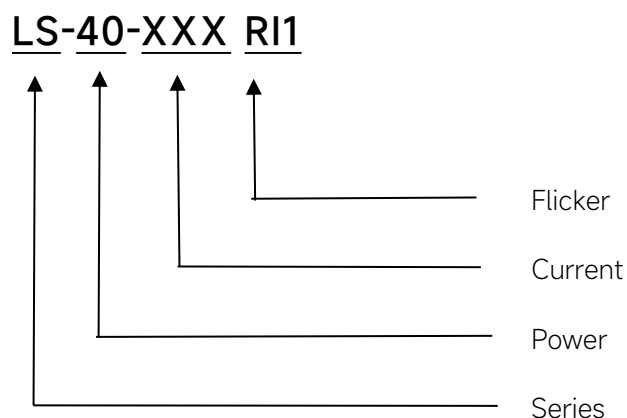
Applications

- LED panel, LED down light
- LED spot light

◆ Description

LS-40-XXX RI1 is a 40W constant current LED driver that operates from 176-264Vac input with 500 to 1050mA output current. With it's compact dimensions from 116 x 42.5 x 28mm it is easy to integrate in LED Panel and down light products. To ensure trouble-free operation, protection is provided against output short circuit and over Load.

◆ Model code



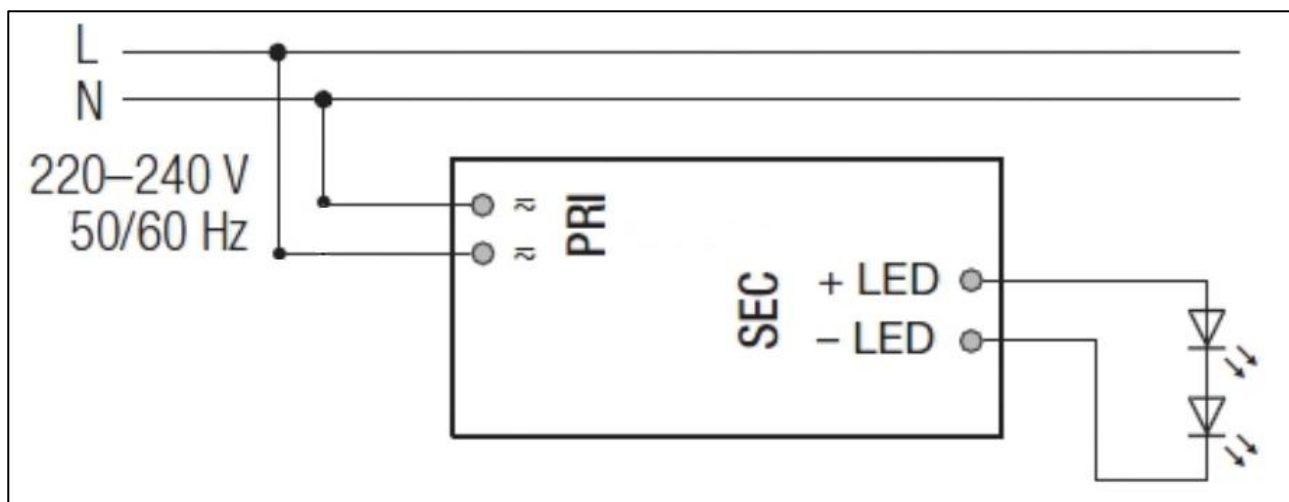
◆ Specification

Output	Constant Current	500mA	700mA	900mA	...	1050mA
	Voltage Range	48-80VDC	32-56VDC	25-44.5VDC	...	23-40VDC
	Unload voltage Max.	90VDC	63VDC	54VDC	...	48VDC
	Current Accuracy	±5%				
	Ripple& Noise *Note.2	±25%				
	Efficiency(Typ.)	88%				
Input	Rated input voltage	220-240VAC				
	Range of input voltage	176-264VAC				
	Frequency(Hz)	50/60 Hz				
	Power Factor	0.95C				
	Input Current max	0.31A				
	Start-up time	< 0.5S				
	No Load Power	≤0.5W				
	THD (Typ.)	< 8%				
Protection	Over Load Protection	103-120%				
		YES/Auto Resume				
	Over Voltage Protection	> 90VDC	> 63VDC	> 54VDC	...	> 48VDC
		YES/Auto Resume				
	Short circuit Protection	YES/Auto Resume				
Environment	Operating Temperature	-20°C~+45°C				
	Humidity	20%-90%RH				
	Tc	85°C				
	Storage Temperature	-25°C...+60°C				
	Life time	> 50000h@Tc=75°C,230VAC				
Surface	Dimension	116X42.5X28(LXWXH)mm				
Standards	EN 61347-1; EN61347-2-13; EN62384; EN55015; EN61000-3-2 ; EN61000-3-3; EN 61547;					
Others	RoHS	RoHS (2011/65/EU) (EU)2015/863				
Note	1.All parameters NOT specially mentioned are measured at 240VAC 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.					

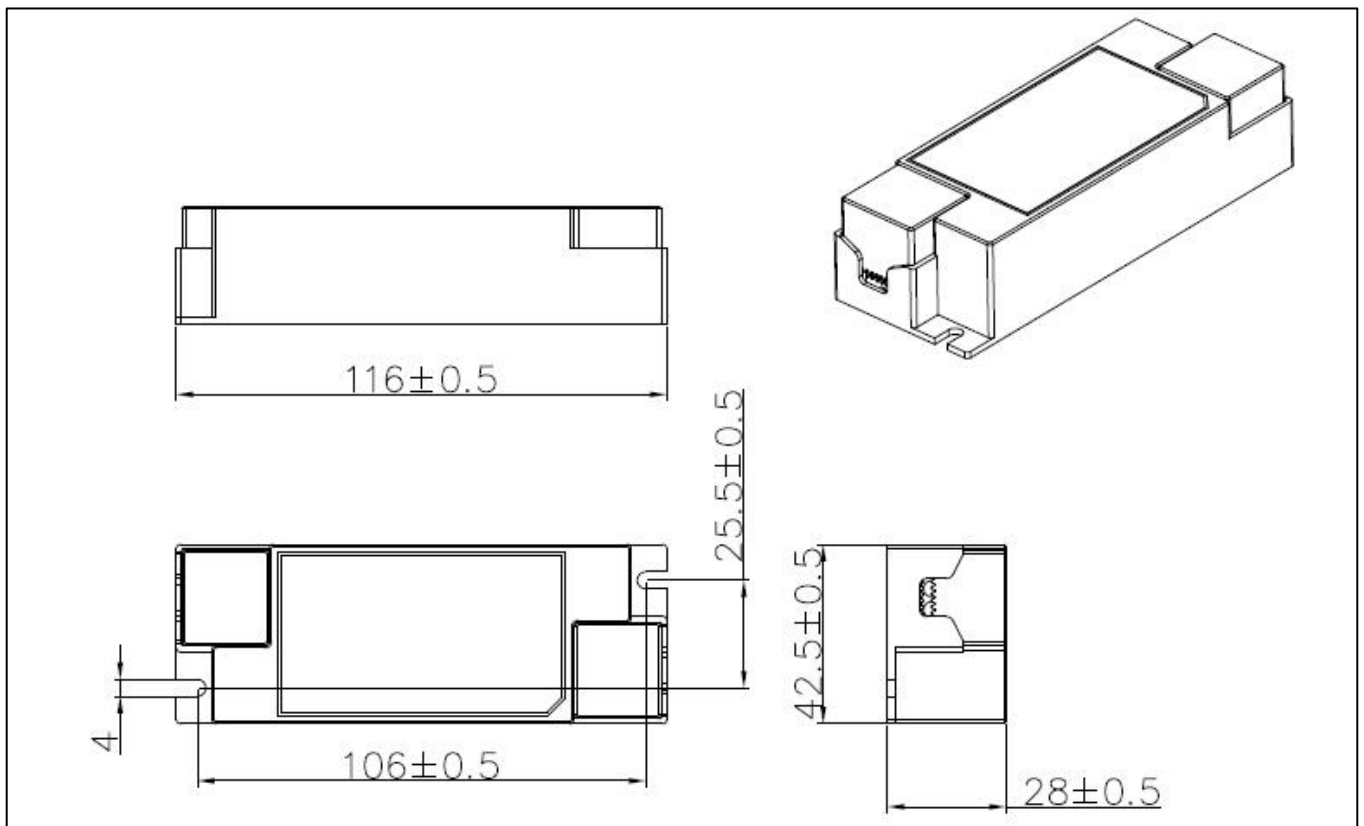
◆ Model list

Model number	Input			Output			Max. Prated(W)
	Voltage (VAC)	Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	
LS-40-500 RI1	220-240	0.31	50/60	500	48-80	90	40
LS-40-550 RI1				550	43.5-73	83	40.2
LS-40-600 RI1				600	40-67	77	40.2
LS-40-650 RI1				650	37-62	72	40.3
LS-40-700 RI1				700	32-56	63	39.2
LS-40-750 RI1				750	32-53.5	63	40.1
LS-40-800 RI1				800	30-50	60	40
LS-40-850 RI1				850	28.5-47.5	58	40.4
LS-40-900 RI1				900	25-44.5	54	40.1
LS-40-950 RI1				950	25-42	50	39.9
LS-40-1000 RI1				1000	24-40	50	40
LS-40-1050 RI1				1050	23-40	48	42

◆ Wiring diagram



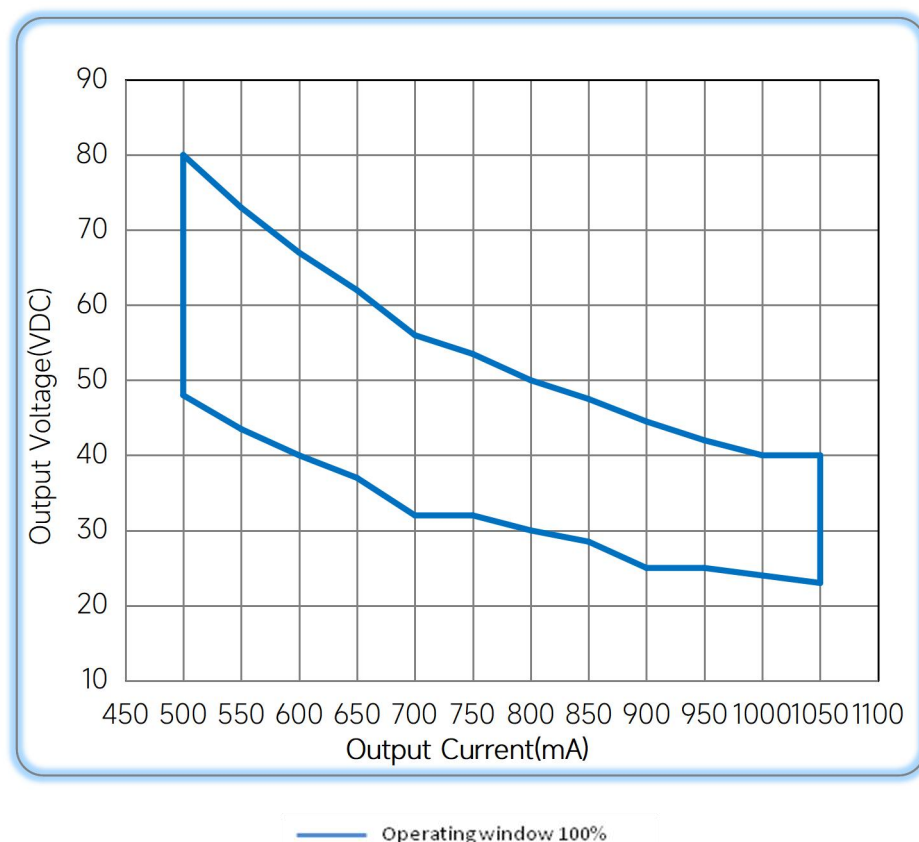
◆ 2D diagram



◆ 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

◆ Operating window



◆ Revision Updates

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

Tel: +86-0757-86256822, +86-0757-86256831

E-mail: sales@eaglerise.com

Website : <https://lighting.eaglerise.com>



EAGLERISE



Manual