

LC40W250-400

PRELIMINARY EDITION

Model: LC40W250-400

Constant Current Driver



Model	Output Current	Input Current	Input Power	Output Power	PF	Efficiency	Output Voltage	No load Voltage
LC40W250-400	250mA	0.28	45.5W	20-40W	0.95	88 %	80-160V	185V
	300mA		45.9W	19.5-39.9W		87 %	65-133V	
	350mA		46.4W	22.8-39.9W		86 %	65-114V	
	400mA		46.5W	26-40W			65-100V	

* Test result @230V, 50Hz, Full Load.

1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	180-264VAC
	Frequency	50/60Hz
	Input Current	≤0.28A (180VAC, full load)
	Input Power	≤46.5W (230VAC, full load)
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤15% (230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	≤21A/400us (230VAC, Full-load)
Output	Connected quantity of 16A Breaker	24pcs/type B ; 38pcs/type C @ 230Vac
	Current Accuracy	± 5%
		± 8% @ (80-160V250MA)
	Max. Output Power	40W
	Started Delay Time	≤0.5S (230VAC, full load)
Protection	Current Ripple	± 5%(Imax-Imin)/(Imax+Imin)
	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Insulation voltage	I/P to O/P , 3KVac/1min
	Insulation resistance	>100M ohm @ 500VDC

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KGP-V0.01

	Leakage current	I/P to O/P < 250 μ A
Environment	Ta/Operation Temperature	-20...+50°C
	Ts/Storage Temperature	-40....+80°C
	Tc/Enclosure Temperature	85 °C
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Build-in
	PRI Wire preparation	0.75-1.5 $\square$
	SEC Wire preparation	0.5-1.5 $\square$
	Dimension	230*30*21mm (L*W*H)
Standards	Certification	CE
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017,EN62493:2015
	EMC Standards	EN55015:2013/A1:2015,EN61000-3-2:2014,E N61000-3-3:2013,EN61547:2009
	Performance	EN62384
	Surge	L-N-PE/2KV
Others	RoHS	Complied to 2011/65/EU
	Life Time	50000h @50°C (Ta) / @85°C (Tc)
	Warranty	5years , F.R. <10000ppm

Remark: 1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.
2.LED Driver is a component of the luminaires. Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

2. Label

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LED Power Supply
LC40W250-400
 Constant Current Type

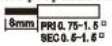
PIN1	PIN2	I _{rated} (mA)	P _{rated} (W)	U _{rated} (V)	U _N /f _N	I _m (A)	t _c [°C]	t _a [°C]	λ
OFF	OFF	250	40	80-160	220-240VAC 50/60Hz	0.28	85	-20...+50	0.95
ON	OFF	300	39.9	85-133					
OFF	ON	350	39.9	85-114					
ON	ON	400	40	85-100					

U_{out}: Max. 185VDC
 For LED modules only

SELV

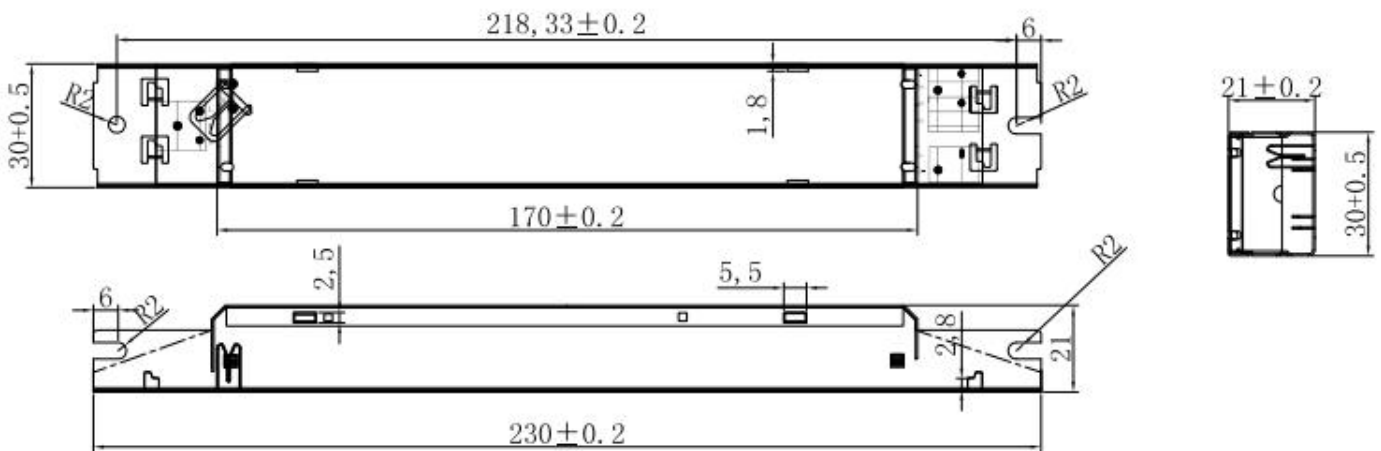




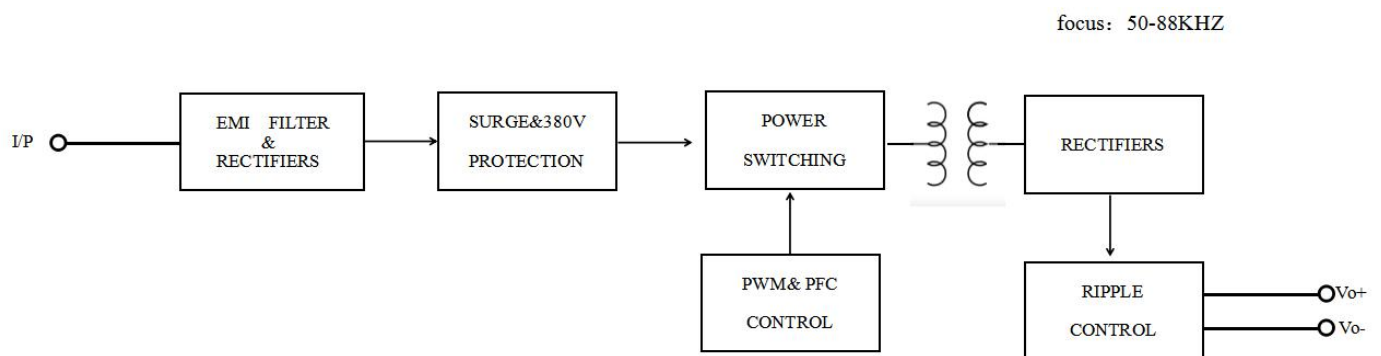

wire preparation
 

18mm PRI 0.75-1.6[□]
 SEC 0.5-1.6[□]

3. Dimension (Unit: mm)



4. Block Diagram



5. Packing information

Carton L*W*H(mm)	Pcs/Carton(g)	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
410*270*190	60	0.17	10.2	10.76

6. Wiring Diagram

