LV100W24

Constant Voltage Driver

Model: LV100W24



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage
LV100W24	4200mA	0.55A	112W	0-100.8W	0.95	92%	24V

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

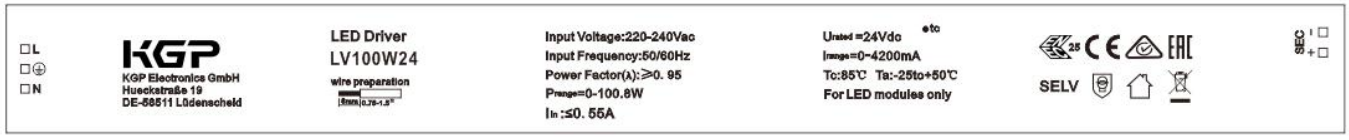
1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Voltage
	Dimming Type	N/A
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class I
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	176-264VAC
	Range of DC Input Voltage	170-275VDC
	Frequency	50/60Hz
	Input Current	≤0.55A (230VAC，full load)
	Input Power	≤112W (230VAC，full load)
	Power Factor	≥0.95 (230VAC，full load)
	THD	≤20% (230VAC，full load)
	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	57A/240us typical (230VAC，full load)
	Connected quantity of 16A Breaker	5pcs/type B ; 8pcs/type C @ 230Vac
Output	Output Voltage	24VDC +/-5%
	No Load Voltage	26VDC Max.
	Output Current	0 -4200mA
	Max. Output Power	100.8W
	Efficiency	≥92% (230VAC，full load,at output terminals)
	Voltage Ripple	±1% (230VAC，full load (Vmax-Vmin) / (Vmax+Vmin)
	Current Accuracy	N/A
	Start-up Time	≤0.5S (230VAC，full load)
Protection	Short Circuit Protection	Auto Recovery

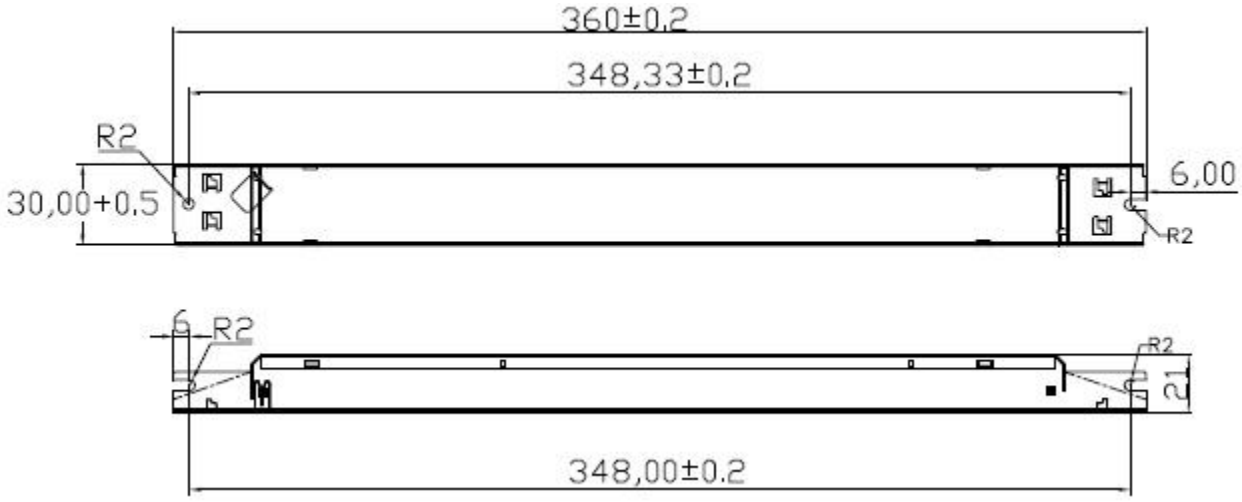
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	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Insulation voltage	3000V 5mA 60S between P-S,1500V 5mA 60S between P-E
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	< 250μA, I/P to O/P or I/P to PE @230V input
Environment	Ta/Operation Temperature	-25….+50℃
	Ts/Storage Temperature	-40….+85℃
	Tc/Enclosure Temperature	85℃
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Build-in
	PRI Wire preparation	0.75-1.5□
	SEC Wire preparation	0.75-1.5□
	Dimension	360*30*21mm (L*W*H)
Standards	Certification	complied to CE ENEC SAA
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017, EN62493:2015, AS/NZS IEC61347.2.13:2013, AS/NZS 61347.1:2016
	EMC Standards	EN55015:2013/A1:2015,EN61000-3-2:2014, EN61000-3-3:2013,EN61547:2009
	Performance	EN62384
	Surge	L-N/1KV （L/N)-PE/2KV
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h @50℃ (Ta) / 85℃ (Tc)
	Warranty	5years ， F.R. < 10000ppm
Remark: 1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ 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



3. Dimension （Unit：mm）



4. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
410*270*190	35	0.304	10.64	11.2

5. Wiring Diagram

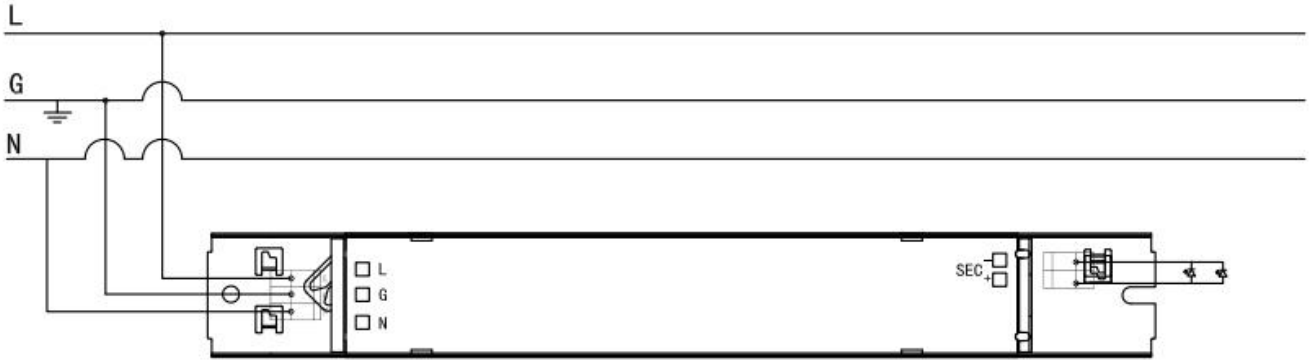


Fig. A:LV100W24

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