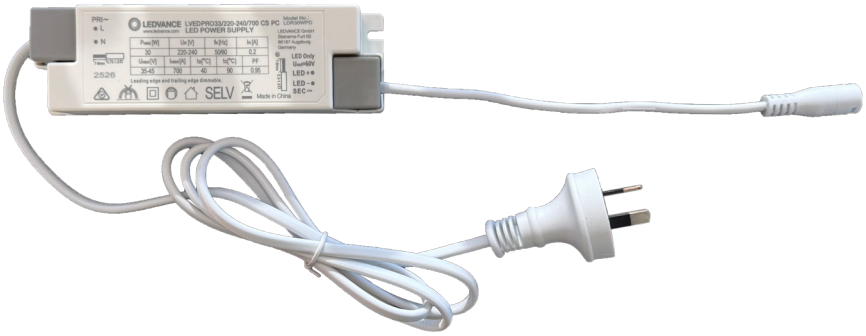
LDR30WPD PHASE DIMMING DRIVER 30W



SPECIFICATION

Output	Constant Current (mA)	550mA	400mA	.....	900mA
	Voltage Range(VDC)	60-85V	50-75V	.....	22—34V
	Unload voltage Max.(VDC)	105V	93V	.....	49V
	Current Accuracy	+5%			
	Output HF current ripple(≥1KHz)	+5%			
	Output LF current ripple(≤120Hz)	+5%			
	SVM	<0.4			
	PST	<1			
	Efficiency(Typ.)	≥86%			
Input	Rated input voltage(VAC)	220-240VAC			
	Range of input voltage(VAC)	198-264VAC			
	Frequency(Hz)	50/60 Hz			
	Displacement factor	≥0.9			
	Power Factor	0.95±0.05			
	Input Current Max	0.25A MAX.			
	Start-up time	< 0.5S			
	No Load Power	≤1W			
	THD (Typ.)	< 25% @Full Load, 230V AC			
Dimming	Dimming	YES			
	Dimming mode	Triac, Leading edge & trailing edge dimmable			
	Dimming depth	10%			
	Dimming current range	10 -100%			
Protection	Over Load Protection	103-120%			
		YES/Latch off			
	Over Voltage Protection	>105VDC	>93VDC	.....	>49VDC
		YES/Latch off			
	Short circuit Protection	YES/Latch off			
Environment	Operating Temperature	-20°C...+50°C			
	Humidity	20%-90%RH			
	Tc	75°C			
	Storage Temperature	-20°C...+60°C			
	Lifetime	> 30,000h@ta=45°C			
Surface	Dimension	L 150 mm X W 45mm X H 30 mm			

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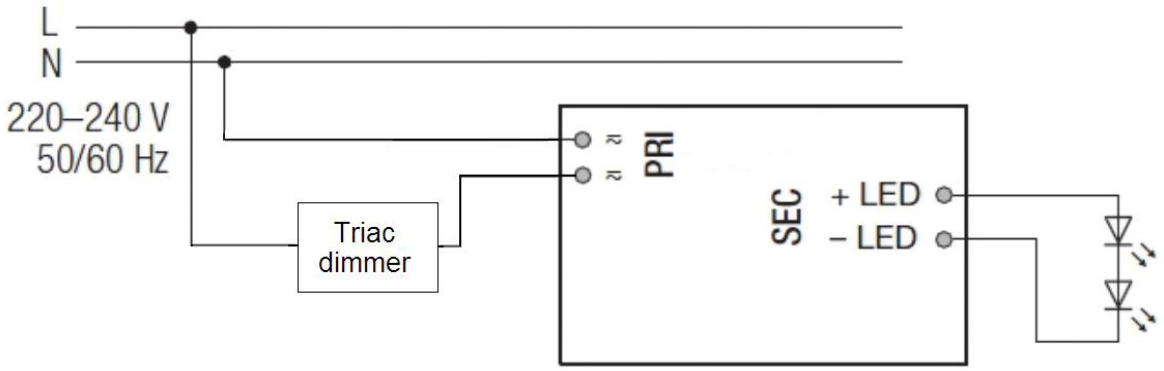
SPECIFICATION

Standards	EN 61347-1,EN 61347-2-13;GB 19510.1,GB 19510.14;EN 62384;EN IEC 55015,EN IEC 61000-3-2,EN 61000-3-3;GB/T 17743,GB 17625.1;EN 61547	
Others	**ErP**	EU 2019/2020
	RoHS	RoHS (2011/65/EU) (EU)2015/865
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 & 47uF parallel capacitor.	

INPUT & OUTPUT

No.	Input		Output			Max. Prated (W)
	Voltage (VAC)	Max.Current (A)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	
1	220-240	0.25	350	60-85	105	29.8
2			400	50-75	93	50.0
3			450	50-70	88	51.5
4			500	40-60	78	50.0
5			550	55-55	72	50.5
6			600	55-50	65	50.0
7			650	50-45	62	29.5
8			700	27-42	57	29.4
9			750	27-40	55	50.0
10			800	27-40	55	32.0
11			850	24-37	52	31.5
12			900	22-34	49	30.6

WIRING DIAGRAM



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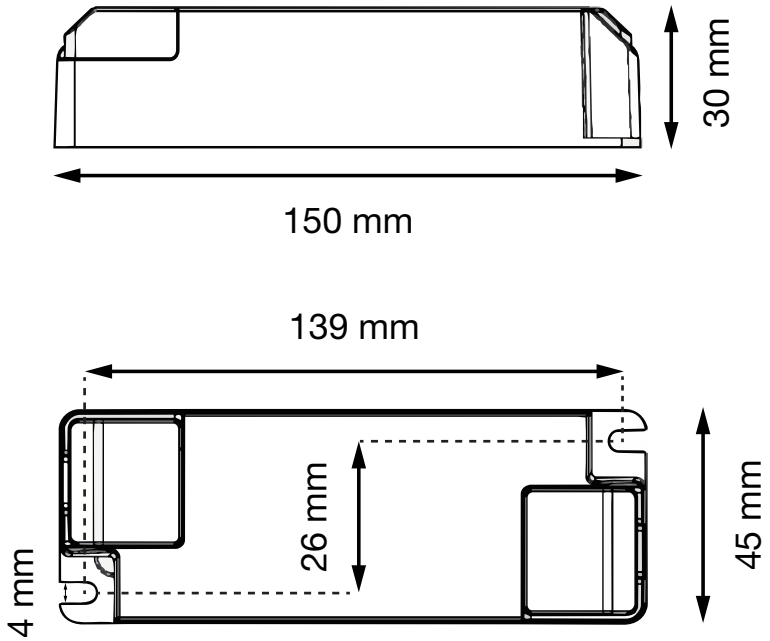
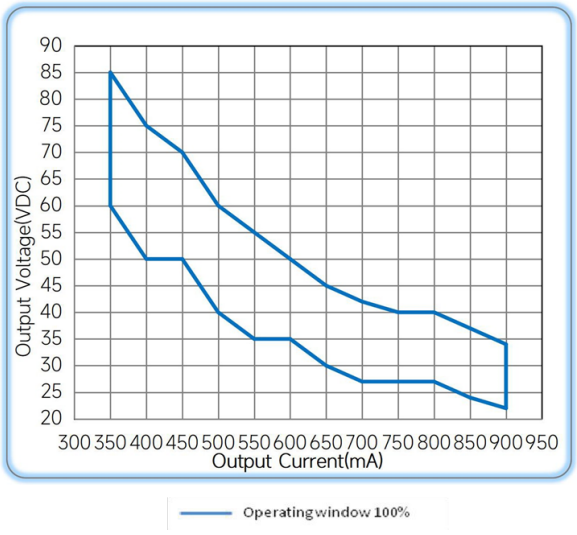
2D DIAGRAM



WIRING & CONNECTIONS

Specification item		Value (Unit)
Input	Input wire cross-section	0.75...1.5 mm2
	Input wire gauge.	16...20 AWG
	Input wire strip length	7...9mm
Output	Output wire cross-section	0.5. 1.5 mm2
	Output wire gauge.	16...20 AWG
	Output wire strip length	7...9mm

OPERATING WINDOW