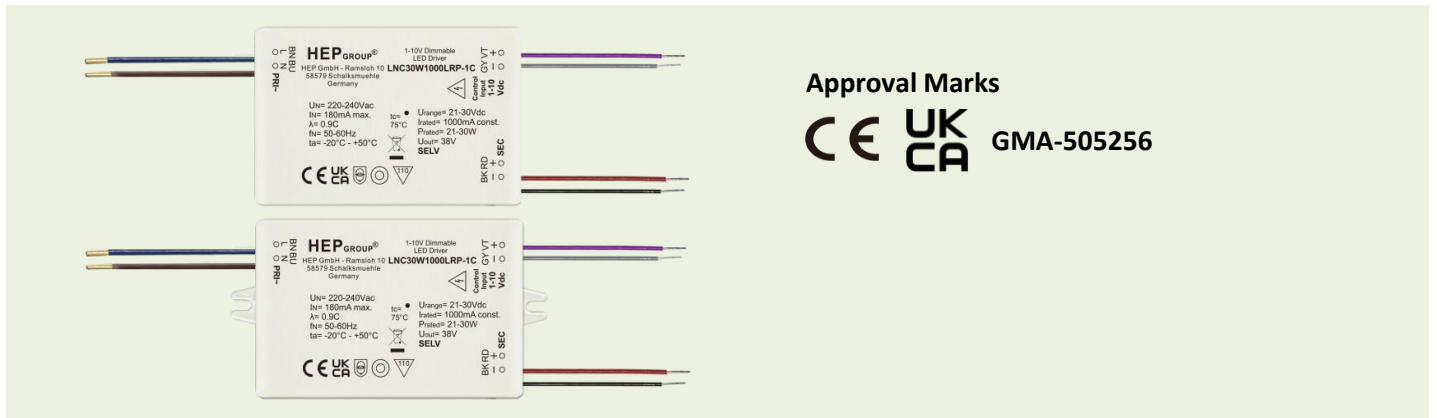




Input		Item	Value	Remark
		Nominal voltage	220–240V	
		Nominal frequency	50–60Hz	
		AC voltage range	198–264V	
		DC voltage range (start)	NA	
		DC voltage range (operation)	NA	
		Nominal current		
		LNC30W400LRP-1C	130mA	
		LNC30W450LRP-1C	145mA	
		LNC30W500LRP-1C	160mA	
		LNC30W550LRP-1C	140mA	
		LNC30W600LRP-1C	150mA	
		LNC30W700LRP-1C	175mA	
		LNC30W800LRP-1C	145mA	
		LNC30W900LRP-1C	160mA	
		LNC30W1000LRP-1C	180mA	
		Total Harmonic Distortion (THD)	< 25%	Full load @230VAC
		Power factor	0.9C	Full load @230VAC
		Displacement factor	0.9C	Full load @230VAC
		Efficiency	85%(Typ.)	Full load @230VAC
		No-load power	NA	
		Stand-by power	<0.5W	
		Protection class	NA	
		Inrush current	6 A / 30μs	
		Max.units per circuit breaker	Type B , 10A MCB	22
			Type B , 16A MCB	36
			Type C , 10A MCB	28
			Type C , 16A MCB	44
		Earth leakage current	NA	
Output		Nominal voltage range		
		LNC30W400/450/500LRP-1C	36-54Vdc	
		LNC30W550/600/700LRP-1C	30-42Vdc	
		LNC30W800/900/1000LRP-1C	21-30Vdc	

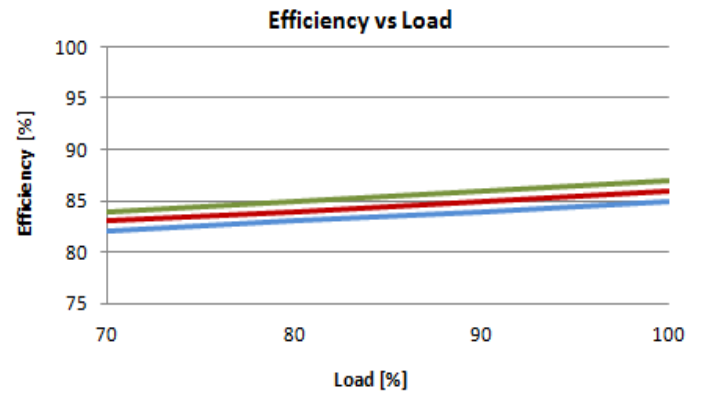
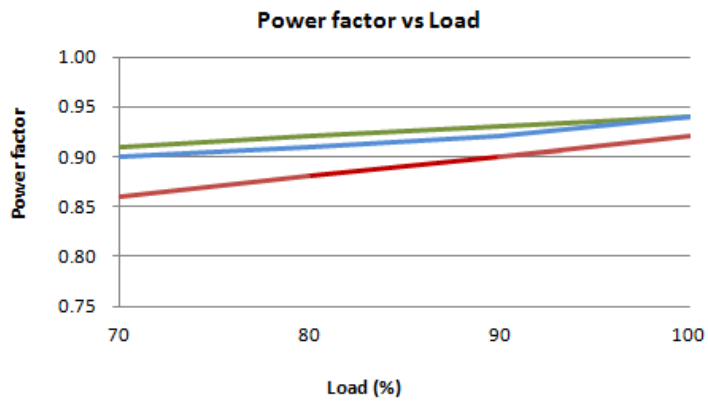
	Item	Value	Remark
Output	Maximum voltage		
	LNC30W400/450/500LRP-1C	63Vdc	
	LNC30W550/600/700LRP-1C	50Vdc	
	LNC30W800/900/1000LRP-1C	38Vdc	
	Nominal current range		
	LNC30W400LRP-1C	400mA	
	LNC30W450LRP-1C	450mA	
	LNC30W500LRP-1C	500mA	
	LNC30W550LRP-1C	550mA	
	LNC30W600LRP-1C	600mA	
	LNC30W700LRP-1C	700mA	
	LNC30W800LRP-1C	800mA	
	LNC30W900LRP-1C	900mA	
	LNC30W1000LRP-1C	1000mA	
	Current accuracy	± 5%	Full load @230VAC
	Typical output LF current ripple	± 5%	Low Frequency<120Hz Full load @ 230VAC (Peak to Peak)
	SVM	≤ 0.4	Full load @230VAC
	PstLM	≤ 1	Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
	Nominal power range		
	LNC30W400LRP-1C	14.4-21.6W	
	LNC30W450LRP-1C	16.2-24.3W	
	LNC30W500LRP-1C	18.0-27.0W	
	LNC30W550LRP-1C	16.5-23.1W	
	LNC30W600LRP-1C	18.0-25.2W	
	LNC30W700LRP-1C	21.0-29.4W	
	LNC30W800LRP-1C	16.8-24.0W	
	LNC30W900LRP-1C	18.9-27.0W	
	LNC30W1000LRP-1C	21.0-30.0W	
	Maximum power	30W	
Dimming	Dimming control	0/1-10V	0V:Dimming Port Short
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Dimming range	10-100%	1-10V
	Lowest dimming current	3-7%	1V : Full load @ 230VAC When dimming under 1V, the output current won't be defined.
Environment	Galvanic isolation	Basic insulated to PRI and supplementary insulated to SEC	
	Ambient temperature range t _a	-20°C - +50°C	
	Maximum case temperature t _c	75°C	ta = 50 °C
	Max. case temp. in fault condition	110°C	When operating under fault conditions, the temperature of the enclosure at any location should not exceed 110 °C
	Storage temperature range	-40°C - +85°C	
	Relative humidity	10% - 95%	
	Surge transient protection	1 kV	L/N
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	
	Expected lifetime	> 50,000 h, tc 75 °C @ ta 50 °C	0.2 % / 1,000 h failure rate

Packing	Gross weight/Carton		10.1 kg
	Net weight/Carton		9 kg
	Pcs/Carton		56 PCS
	Dimension/Carton		490(L)*270(W)*225(H)mm
Protections			
Short-circuit Protection		Auto recovery	
Open-circuit Protection		Auto recovery	
Overload Protection		Auto recovery	
Conformity & Standards			
Safety standard:		EN 61347-1, EN 61347-2-13, EN 62493	
Performance:		EN 62384	
EMC standard:		EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547	
SAA standard:		AS/NZS 61347.1, AS/NZS IEC 61347.2.13	
Cable information			
PRI	Connection	L	N
	Color	Brown	Blue
	Wire type	7022	7022
	Wire diameter	AWG18	AWG18
	Wire length	128mm	128mm
	Stripping	6mm	6mm
	tolerance	±5mm	±5mm
Sec	Connection	+	-
	Color	Red	Black
	Wire type	3385	3385
	Wire diameter	AWG20	AWG20
	Wire length	149mm	149mm
	Strip length	10mm	10mm
	tolerance	±5mm	±5mm
Control Input 1-10V		+	-
	Color	Purple	Gray
	Wire type	1332	1332
	Wire diameter	AWG22	AWG22
	Wire length	120mm	120mm
	Stripping	10mm	10mm
	tolerance	±5mm	±5mm

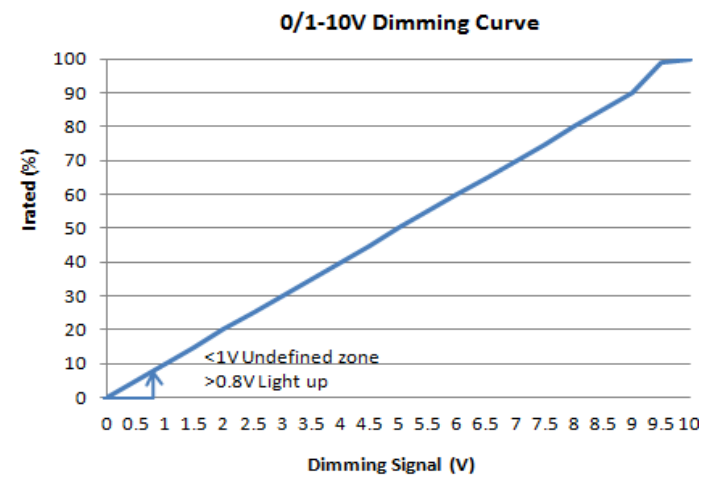
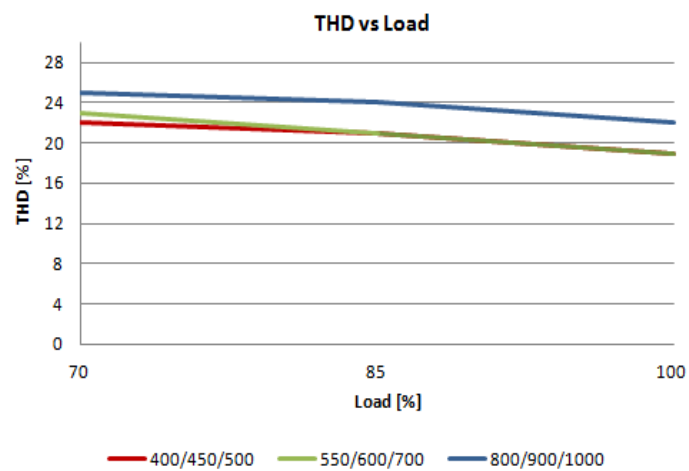
Subject to change without notice, HEP guarantees all products perform functionally well

* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

Electrical Values



100 % load corresponds to the max output power.

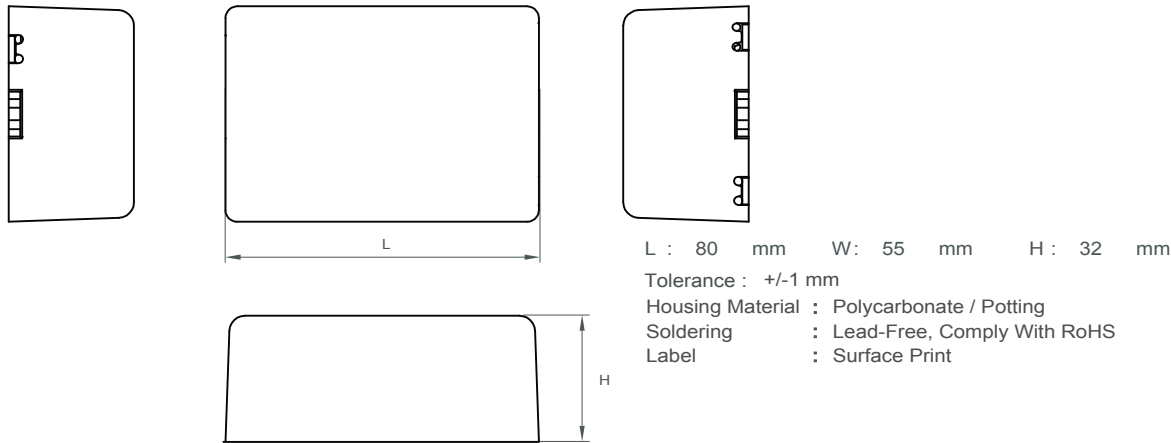


When dimming under 1V, the output current won't be defined.

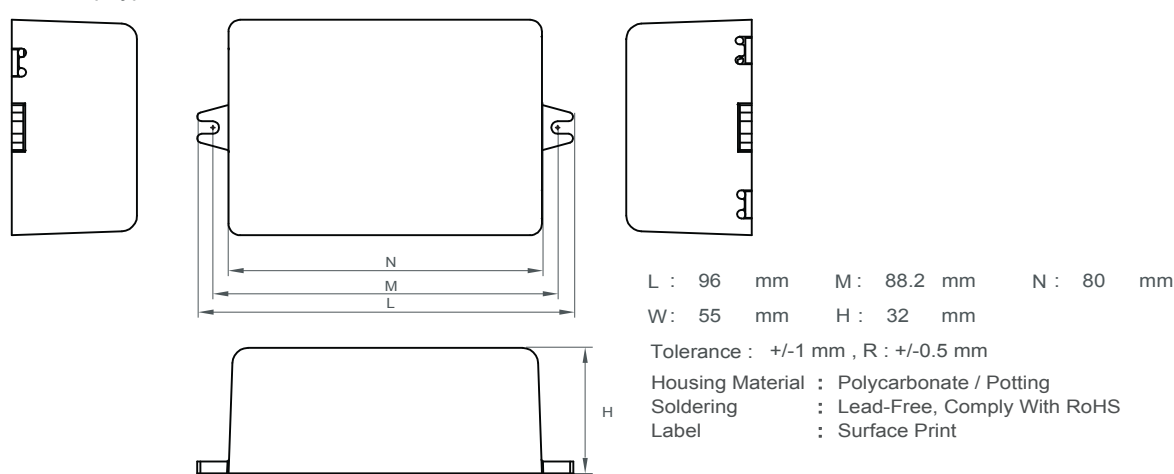
Physical

Parameter

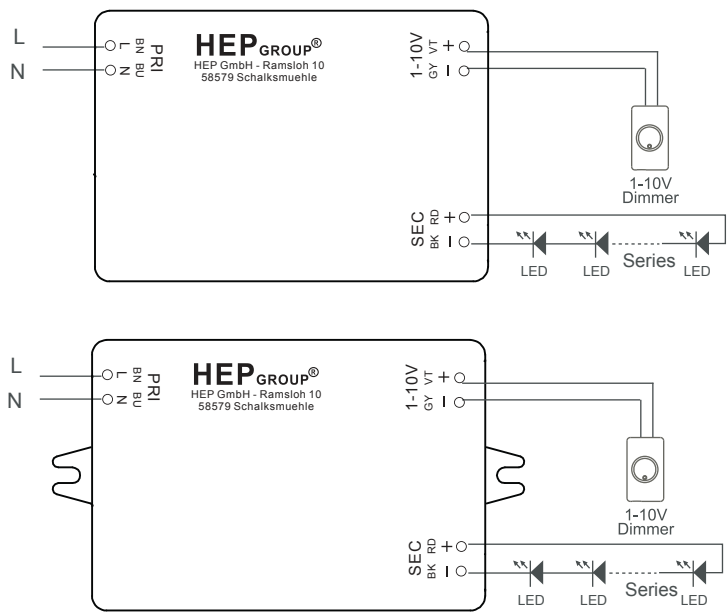
Clear type



Screw clip type



Wiring Diagram



Remark :
Before switching on the supply voltage all LEDs must be completely wired and connected, and be sure all wire connection complying with instruction of wiring diagram.