

Item		Value	Remark
Input	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		
	LNC40W500LRP-1C	170mA	
	LNC40W600LRP-1C	205mA	
	LNC40W700LRP-1C	240mA	
	LNC40W800LRP-1C	210mA	
	LNC40W850LRP-1C	225mA	
	LNC40W900LRP-1C	240mA	
	LNC40W950LRP-1C	215mA	
	LNC40W1000LRP-1C	230mA	
	LNC40W1050LRP-1C	240mA	
	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 / 30 µs	
Max.units per circuit breaker	Type B , 10A MCB	17	
	Type B , 16A MCB	27	
	Type C , 10A MCB	21	
	Type C , 16A MCB	33	
	Earth leakage current	NA	
	Nominal voltage range		
Output	LNC40W500/600/700LRP-1C	40-57Vdc	
	LNC40W800/850/900LRP-1C	30-44Vdc	
	LNC40W950/1000/1050LRP-1C	27-38Vdc	

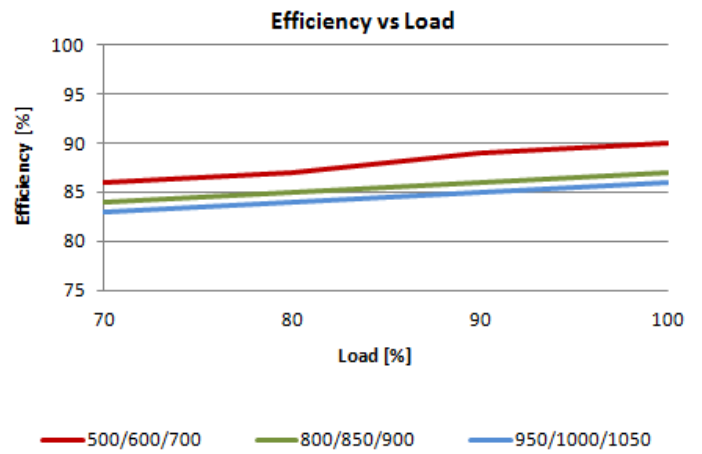
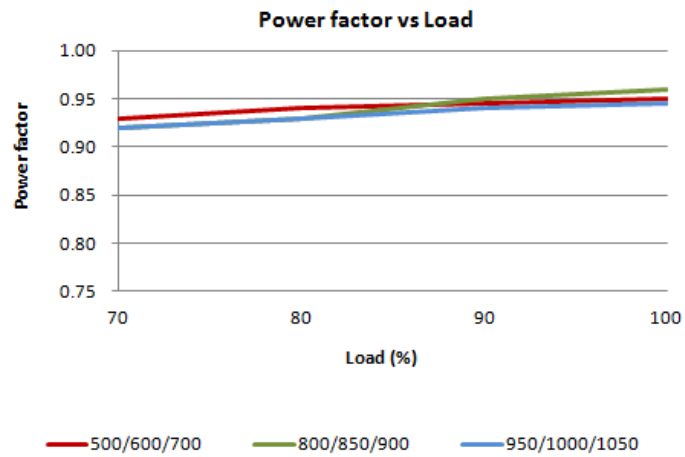
	Item	Value	Remark
Output	Maximum voltage		
	LNC40W500/600/700LRP-1C	67Vdc	
	LNC40W800/850/900LRP-1C	55Vdc	
	LNC40W950/1000/1050LRP-1C	50Vdc	
	Nominal current range		
	LNC40W500LRP-1C	500mA	
	LNC40W600LRP-1C	600mA	
	LNC40W700LRP-1C	700mA	
	LNC40W800LRP-1C	800mA	
	LNC40W850LRP-1C	850mA	
	LNC40W900LRP-1C	900mA	
	LNC40W950LRP-1C	950mA	
	LNC40W1000LRP-1C	1000mA	
	LNC40W1050LRP-1C	1050mA	
	Current accuracy	± 5%	
	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		
Dimming	LNC40W500LRP-1C	20.0-28.5W	
	LNC40W600LRP-1C	24.0-34.2W	
	LNC40W700LRP-1C	28.0-39.9W	
	LNC40W800LRP-1C	24.0-35.2W	
	LNC40W850LRP-1C	25.5-37.4W	
	LNC40W900LRP-1C	27.0-39.6W	
	LNC40W950LRP-1C	25.7-36.1W	
	LNC40W1000LRP-1C	27.0-38.0W	
	LNC40W1050LRP-1C	28.4-39.9W	
	Maximum power	40W	
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	80°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 80 °C @ ta 50 °C > 100000 h, tc 70 °C @ ta 40 °C	0.2 % / 1,000 h failure rate 0.1 % / 1,000 h failure rate

Packing	Gross weight/Carton		12.9 kg
	Net weight/Carton		11.5 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	1332	1332
	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

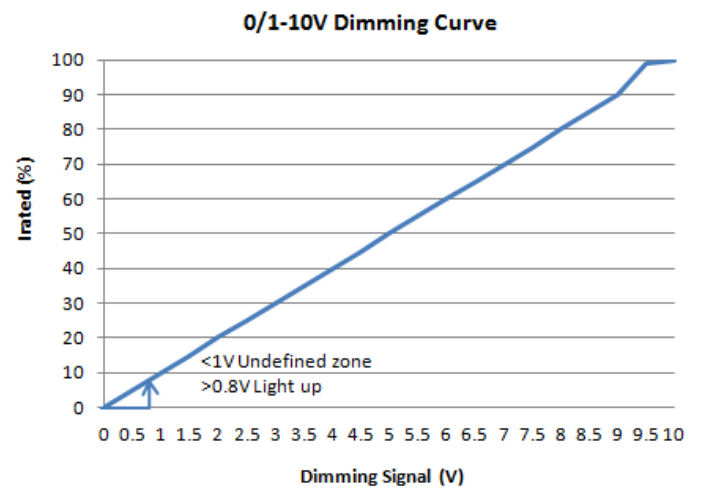
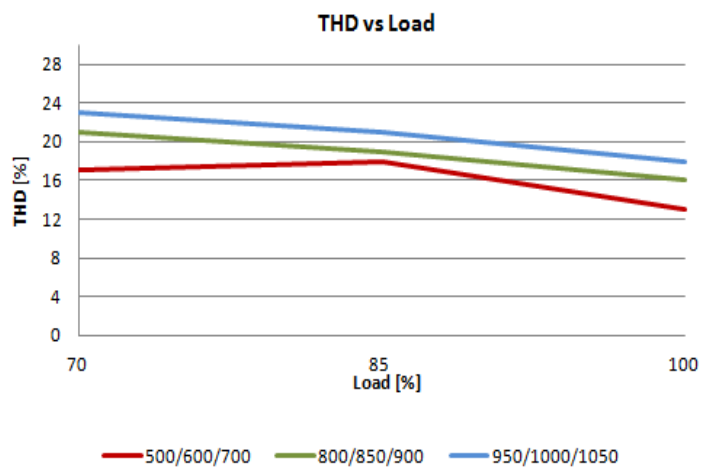
* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

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

Electrical Values



100 % load corresponds to the max output power.

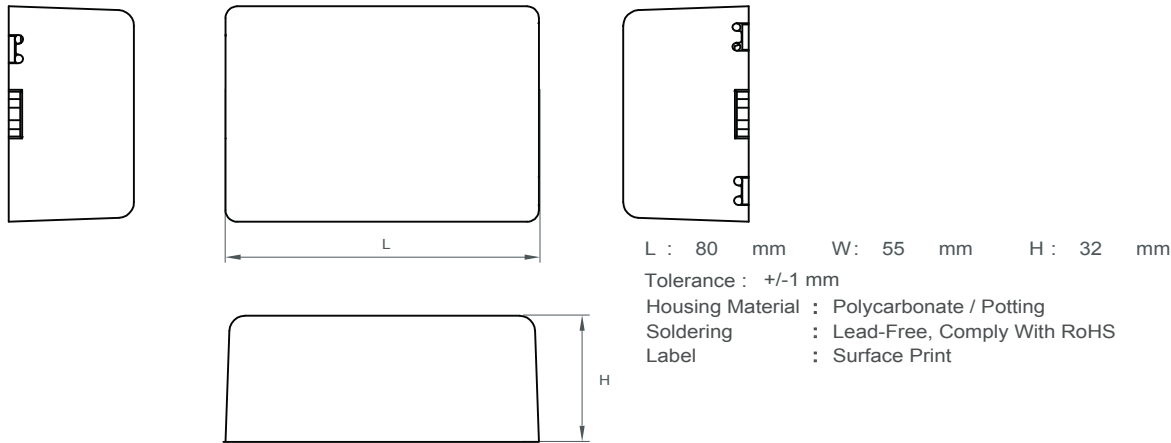


When dimming under 1V, the output current won't be defined.

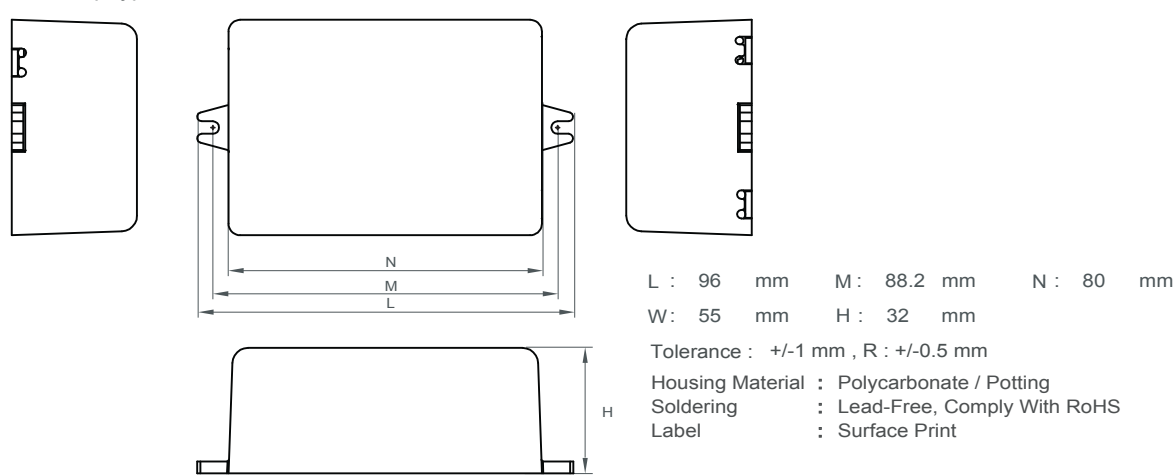
Physical

Parameter

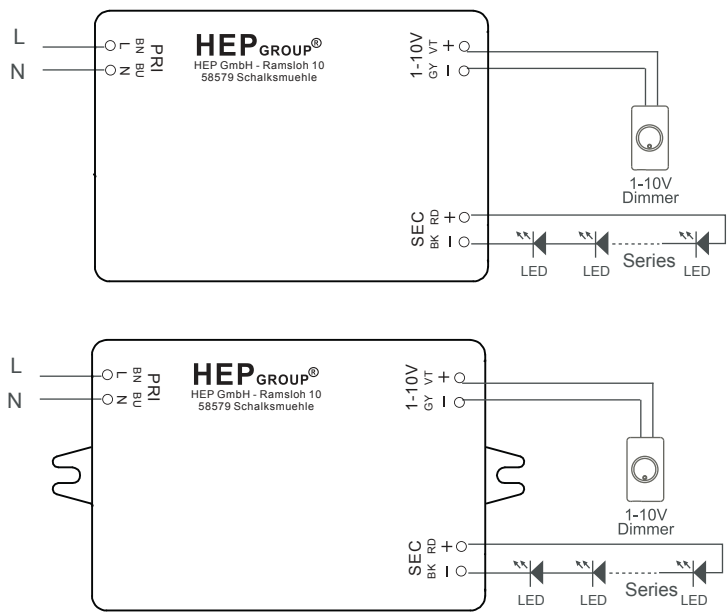
Clear type



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.