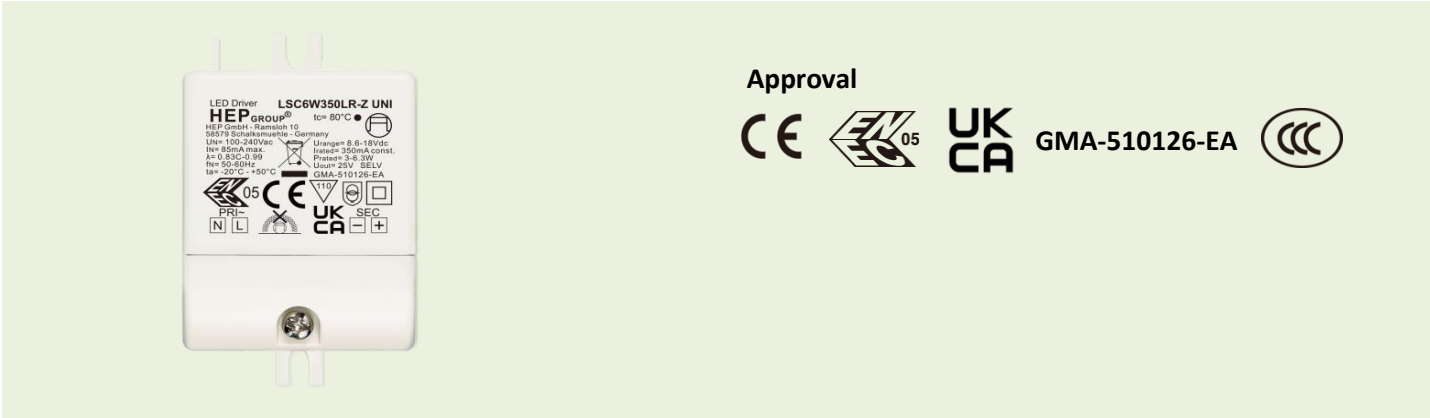




Electrical Specification for **LSC6WxxxLR-Z UNI**

Constant current LED Driver



Item		Value	Remark
Nominal voltage		100–240V	
Nominal frequency		50–60Hz	
AC voltage range		90–264V	
DC voltage range (start)		NA	
DC voltage range (operation)		NA	
Nominal current			
Input	LSC6W350LR-Z UNI	85mA / 40mA	Full load @100/230VAC
	LSC6W500LR-Z UNI	82mA / 38mA	Full load @100/230VAC
	LSC6W700LR-Z UNI	90mA / 40mA	Full load @100/230VAC
	Total Harmonic Distortion (THD)	< 20%	Full load @100/230VAC
	Power factor		Full load @230VAC
	LSC6W350/700LR-Z UNI	0.83C-0.99	
	LSC6W500LR-ZUNI	0.86C-0.99	
	Displacement factor		Full load @230VAC
	LSC6W350/700LR-Z UNI	0.83C-0.99	
	LSC6W500LR-ZUNI	0.86C-0.99	
	Efficiency		Full load @230VAC
	LSC6W350LR-Z UNI	75% (Typ.)	
	LSC6W500/700LR-Z UNI	71% (Typ.)	
	No-load power	NA	
	Stand-by power	NA	
Protection class		II	Suitable for class II luminaires
Inrush current		4.5 A / 30 µs	Full load @230VAC
Max.units per circuit breaker		Type B , 10A MCB	44
		Type B , 16A MCB	71
		Type C , 10A MCB	56
		Type C , 16A MCB	89
Earth leakage current		N/A	
Output	Nominal voltage range		
	LSC6W350LR-Z UNI	8.6-18Vdc	
	LSC6W500LR-Z UNI	6-12Vdc	
	LSC6W700LR-Z UNI	4.3-9Vdc	

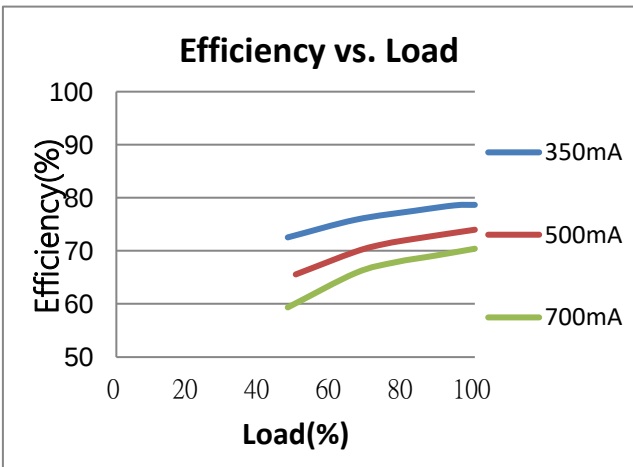
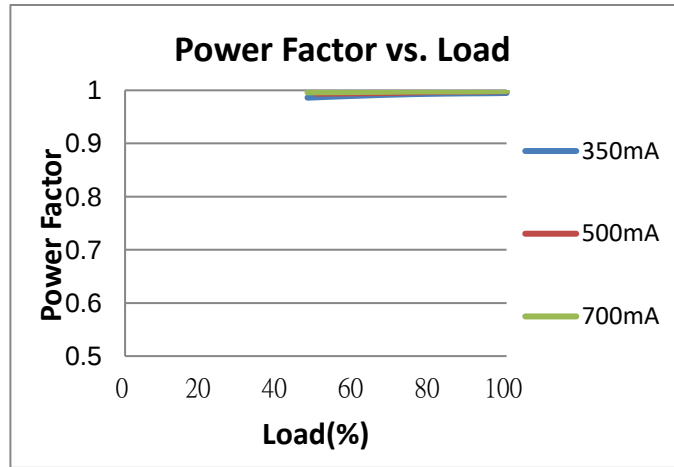
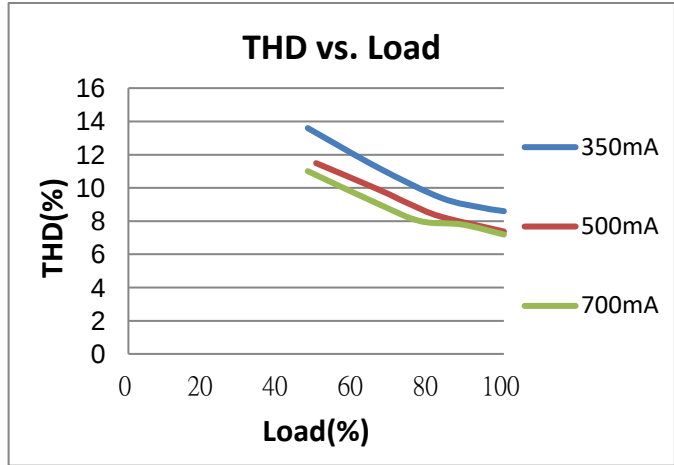
	Item	Value	Remark
Output	Maximum voltage		
	LSC6W350LR-Z UNI	25Vdc	
	LSC6W500LR-Z UNI	18Vdc	
	LSC6W700LR-Z UNI	16Vdc	
	Nominal current range		
	LSC6W350LR-Z UNI	350mA	
	LSC6W500LR-Z UNI	500mA	
	LSC6W700LR-Z UNI	700mA	
	Current accuracy	± 5%	Full load @100/230VAC
	Typical output LF current ripple	± 5%	Low Frequency< 120Hz Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
		<1.5 S	Full load @100VAC
	SVM	≤0.4	Full load @230VAC
	P _{st} LM	≤1	Full load @230VAC
	Nominal power range		
	LSC6W350LR-Z UNI	3.0-6.3W	
	LSC6W500LR-Z UNI	3.0-6.0W	
	LSC6W700LR-Z UNI	3.0-6.3W	
	Maximum power	6.3W	
Environment	Ambient temperature range t _a	-20°C - +50°C	
	Maximum case temperature t _c	80°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 , 2 kV	L-N , L/N-PE
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	
	Expected lifetime	> 50,000 h, t _c 80 °C @ t _a 50 °C > 100,000 h, t _c 70 °C @ t _a 40 °C	0.2 % / 1,000 h failure rate 0.1 % / 1,000 h failure rate
Packing	Gross weight/box	10.3 kg	
	Net weight/box	8.8 kg	
	Pcs/box	200 PCS	
	Dimension/box	385(L)*310(W)*260(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	
SAA standard:		AS/NZS 61347.1, AS/NZS IEC 61347.2.13	
EMC standard:		EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547	

Cable information		
PRI	Connection	
	Cable cross-section	0.5-2.5mm²/AWG 20-14
	Stripping	9mm
	Pull test cable type	H03VV(H2)-F 2x0,75-1,5 mm²,H05VV(H2)-F 2x0,75-1,5 mm²
Sec	Connection	
	Cable cross-section	0.34-2.5mm²/AWG 22-14
	Strip length	9mm
Terminal information		
PRI-Screw type		
SEC-Screw type		

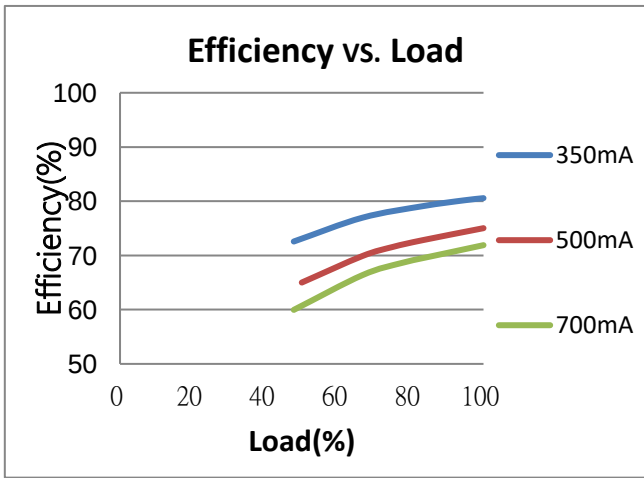
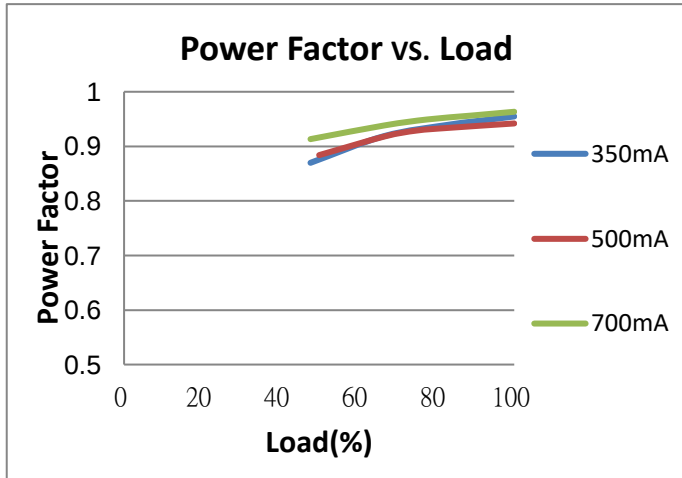
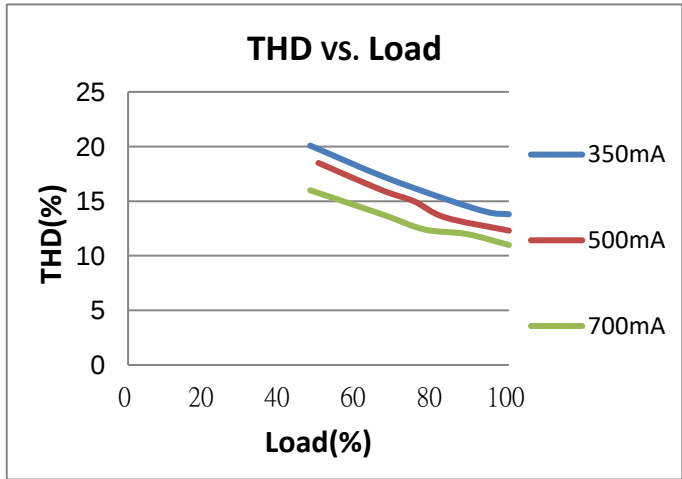
Subject to change without notice, HEP guarantees all products perform functionally well

*If not mentioned, all the test conditions are based on full load at 100/230VAC input (for 100-240 VAC input).

100V

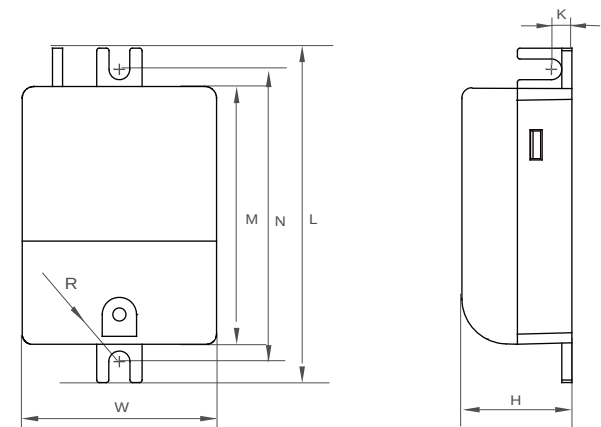


230V

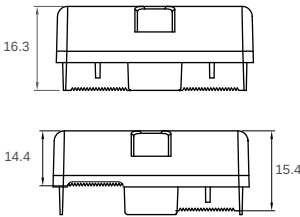


Physical

Parameter



Side Cover



L : 66.3 mm H : 21.8 mm
M : 51.1 mm R : 2.05 mm
N : 58 mm K : 4.05 mm
W : 38.5 mm
Tolerance : $\geq \pm 1$ mm
Housing Material : Polycarbonate

Wiring Diagram

