



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		
LNTC6W350LR	40mA	
LNTC6W500/700LR	45mA	
Total Harmonic Distortion (THD)	< 20%	Full load @230VAC
Power factor		Full load @230VAC
LNC6W350/500LR	0.93C-0.97	
LNC6W700LR	0.93C-0.95	
Displacement factor		Full load @230VAC
LNC6W350/500LR	0.93C-0.97	
LNC6W700LR	0.93C-0.95	
Efficiency		
LNTC6W700LR	70% (Typ.)	Full load @230VAC
LNTC6W500LR	73% (Typ.)	Full load @230VAC
LNTC6W350LR	75% (Typ.)	Full load @230VAC
No-load power	NA	
Stand-by power	NA	
Protection class	NA	
Inrush current	10 A / 40 μs	
Max.units per circuit breaker	Type B , 10A MCB	89
	Type B , 16A MCB	142
	Type C , 10A MCB	111
	Type C , 16A MCB	178
Earth leakage current	NA	

	Item	Value	Remark
Output	Nominal voltage range		
	LNTC6W350LR	10.0-17.0Vdc	
	LNTC6W500LR	7.0-13.0Vdc	
	LNTC6W700LR	4.8-8.6Vdc	
	Maximum voltage		
	LNTC6W350LR	24Vdc	
	LNTC6W500LR	17Vdc	
	LNTC6W700LR	13Vdc	
	Nominal current range		
	LNTC6W350LR	350mA	
	LNTC6W500LR	500mA	
	LNTC6W700LR	700mA	
	Current accuracy		Full load @230VAC
	LNTC6W350LR	± 5%	
	LNTC6W500/700LR	± 5%	
Typical output LF current ripple	± 5%	Low Frequency<120Hz Full load @230VAC	
SVM	≤ 0.4	Full load @230VAC	
PstLM	≤ 1	Full load @230VAC	
Starting time	< 0.5 S	Full load @230VAC	
Nominal power range			
LNTC6W350LR	3.5-5.9W		
LNTC6W500LR	3.5-6.5W		
LNTC6W700LR	3.4-6.0W		
Maximum power	6.5W		
Dimming	Dimming control	Trailing Edge	
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Dimming range	10-100%	
	Lowest dimming current	NA	
	Galvanic isolation	NA	
Environment	Ambient temperature range t_a	-20°C - +50°C	
	Maximum case temperature t_c		
	LNTC6W350LR	65°C	
	LNTC6W500LR	65°C	
	LNTC6W700LR	75°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	-25°C - +85°C	
	Relative humidity	10% - 85%	
	Surge transient protection	1 kV	L/N
	Environmental rating	Indoor	
	IP rating	IP20	
Mains switching cycles	> 100,000		
Expected lifetime			
LNTC6W350/500LR	Full load	> 50,000 h, t_c 65 °C @ t_a 50 °C	0.2 % / 1,000 h failure rate
LNTC6W700LR	Full load	> 50,000 h, t_c 75 °C @ t_a 50 °C	0.2 % / 1,000 h failure rate

Packing	Gross weight/Carton	8.9 kg
	Net weight/Carton	8 kg
	Pcs/Carton	192 PCS
	Dimension/Carton	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
EMC standard:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547
CCC standard:	GB17625.1,GB/T17743,GB19510.1,GB19510.14
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	142mm	144mm
Stripping	6mm	6mm
Tolerance	±5mm	±5mm

Sec Connection	+	-
Color	Red	Black
Wire type	1332	1332
Wire diameter	AWG22	AWG22
Wire length	140mm	142mm
Stripping	6mm	6mm
Tolerance	±5mm	±5mm

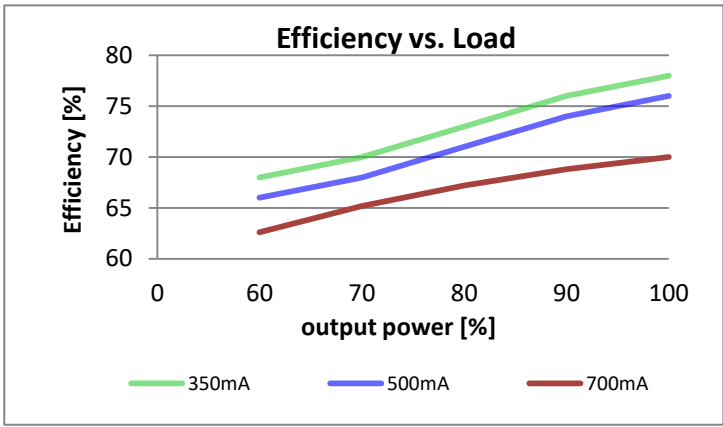
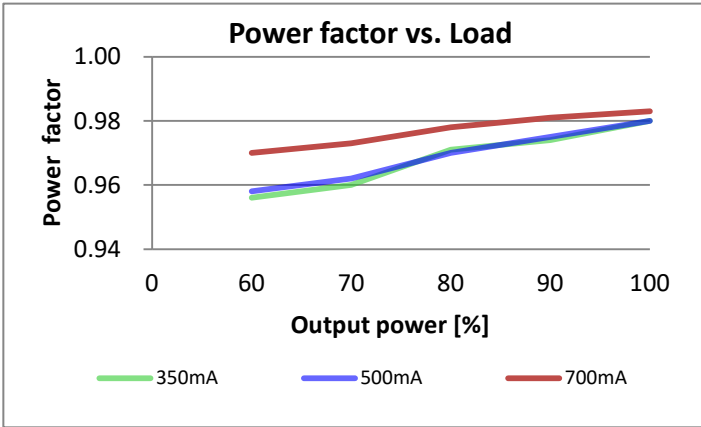
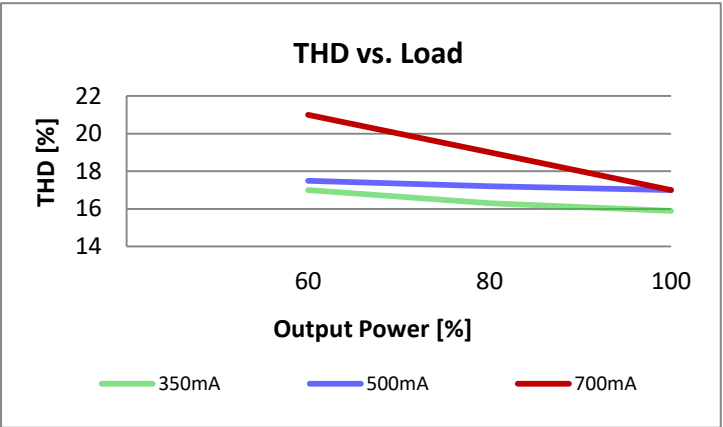
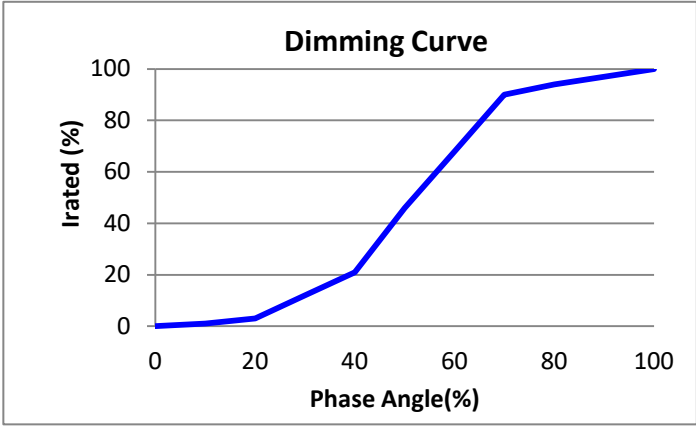
* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

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

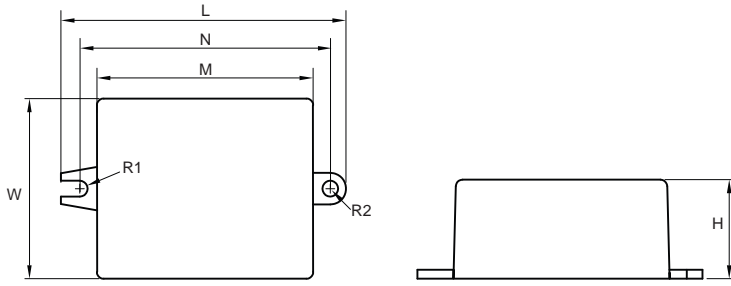
Trailing Edge Dimmer list approved by HEP

Manufacturer	Model	Q'ty of parallel connection	Min.load(W)
Berker	2874	10	20W
Busch	6513U-102	10	40W
Busch	6519U	10	40W
ETMAN	321P	10	25W
CASAMBI	CBU-TED	14	1W

Electrical Values



**Physical
Parameter**



L : 63.3 mm W : 40 mm H : 23 mm
M : 48 mm N : 55.6 mm R1: 1.75 mm R2: 3.5 mm

Tolerance : +/-1 mm , R : +/-0.5 mm

Housing Material : Polycarbonate
Soldering : Lead-Free, Comply With RoHS
Label : Surface Print

Wiring Diagram

