



Approval Marks



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		
	LNTC6W350LR	40mA	
	LNTC6W500/700LR	45mA	
	Total Harmonic Distortion (THD)	< 20%	Full load @230VAC
	Power factor		Min-load @240VAC and Full-load @220VAC
	LNC6W350/500LR	0.93C-0.97	
	LNC6W700LR	0.93C-0.95	
	Displacement factor		Min-load @240VAC and Full-load @220VAC
	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		
Dimming	LNTC6W350LR	3.5-5.9W	
	LNTC6W500LR	3.5-6.5W	
	LNTC6W700LR	3.4-6.0W	
	Maximum power	6.5W	
	Dimming control	Trailing Edge	
	Dimming technique	Amplitude	
	PWM frequency	NA	
Environment	Dimming range	10-100%	
	Lowest dimming current	NA	
	Galvanic isolation	NA	
	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 , 2KV	L/N , L-PE/N-PE
	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 61547:2023
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	3385	3385
Wire diameter	AWG22	AWG22
Wire length	140mm	142mm
Stripping	6mm	6mm
Tolerance	±5mm	±5mm

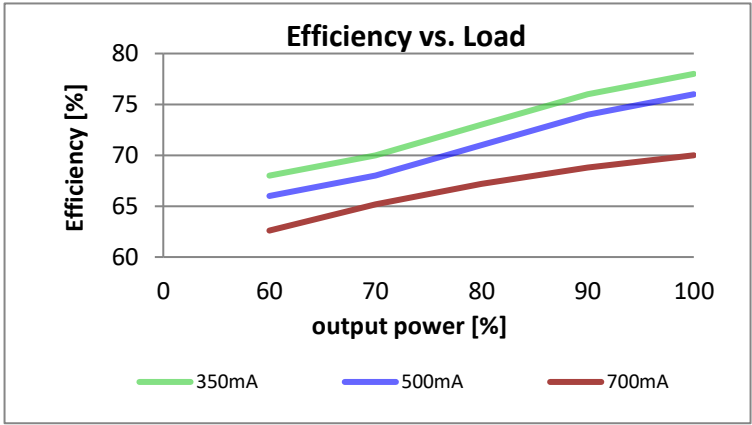
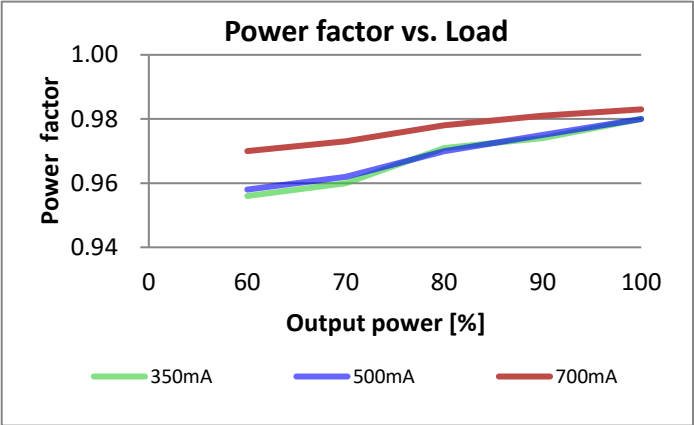
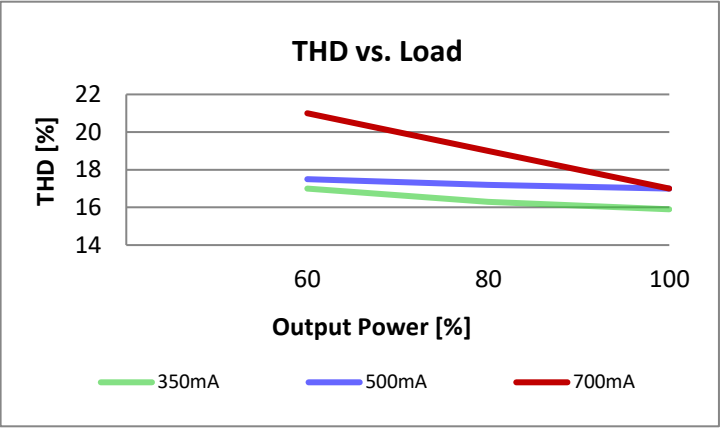
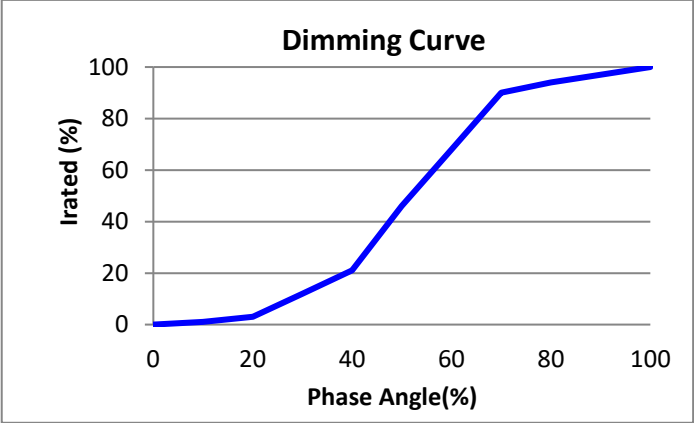
* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

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

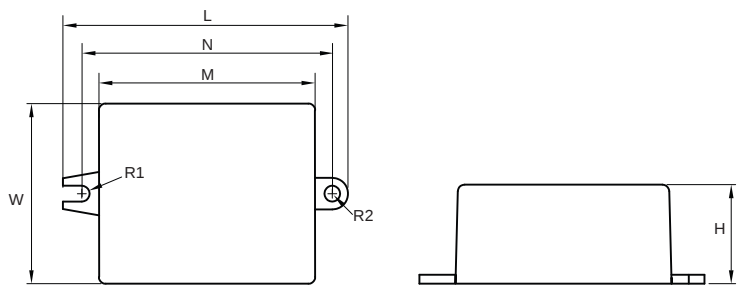
Trailing Edge Dimmer list approved by HEP

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

