

Approval Marks



Item		Value	Remark
Input	Nominal voltage	220–240V	
	Nominal frequency	0 / 50–60Hz	
	AC voltage range	198–264V	
	DC voltage range (start)	NA	
	DC voltage range (operation)	NA	
	Nominal current	120mA	
	Total Harmonic Distortion (THD)	< 20%	Full load @230VAC
	Power factor	0.91C-0.97	Full load @230VAC
	Displacement factor	0.91C-0.97	Full load @230VAC
	Efficiency	86% (Typ.)	Full load @230VAC
	No-load power	NA	
	Stand-by power	NA	
	Protection class	NA	
	Inrush current	12A / 26us	
Output	Max.units per circuit breaker	Type B , 10A MCB	33
		Type B , 16A MCB	53
		Type C , 10A MCB	42
		Type C , 16A MCB	67
	Touch current	< 0.7mA peak	IEC/EN 61347-1
	Nominal voltage range	25-42Vdc	
	Maximum voltage	55Vdc	
	Nominal current range	500mA	
	Current accuracy	± 5%	
	Typical output LF current ripple	± 5%	Low Frequency< 120Hz Full load @230VAC
Output	SVM	≤ 0.4	Full load @230VAC
	P _{stLM}	≤ 1	Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
	Nominal power range	12.5-21W	
	Maximum power	21W	

	Item	Value	Remark
Dimming	Dimming control	Trailing Edge	
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Dimming range	10-100%	
	Lowest dimming current	2-6%	
	Galvanic isolation	NA	
Environment	Ambient temperature range t _a	-20°C - +50°C	
	Maximum case temperature t _c	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	-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, t _c 75 °C @ t _a 50 °C	0.2 % / 1,000 h failure rate
		> 100000 h, t _c 65 °C @ t _a 40 °C	0.1 % / 1,000 h failure rate
Packing	Gross weight/box	9.4 kg	
	Net weight/box	8.4 kg	
	Pcs/box	56 PCS	
	Dimension/box	490(L)*270(W)*225(H)mm	
Protections			
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	
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	AWG20	AWG20
	Wire length	143mm	143mm
	Stripping	6mm	6mm
	tolerance	±5mm	±5mm
SEC	Connection	+	-
	Color	Red	Black
	Wire type	3385	3385
	Wire diameter	AWG22	AWG22
	Wire length	142mm	142mm
	Stripping	6mm	6mm
	tolerance	±5mm	±5mm

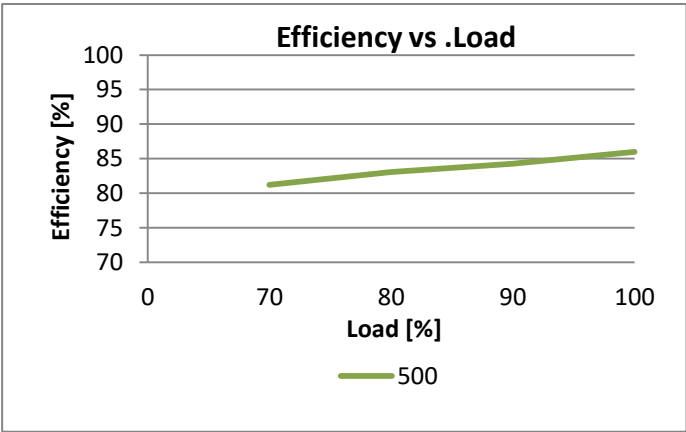
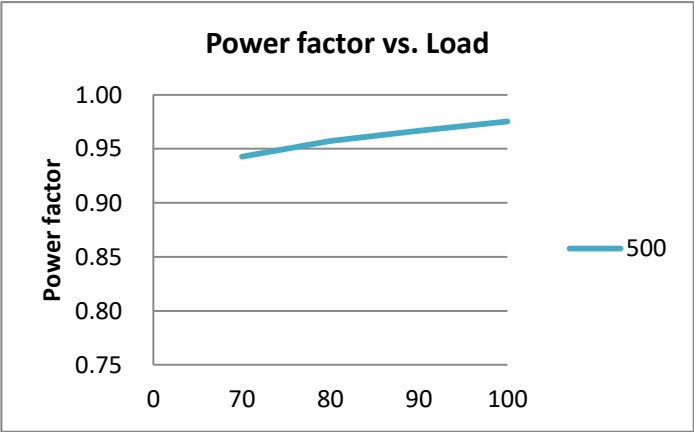
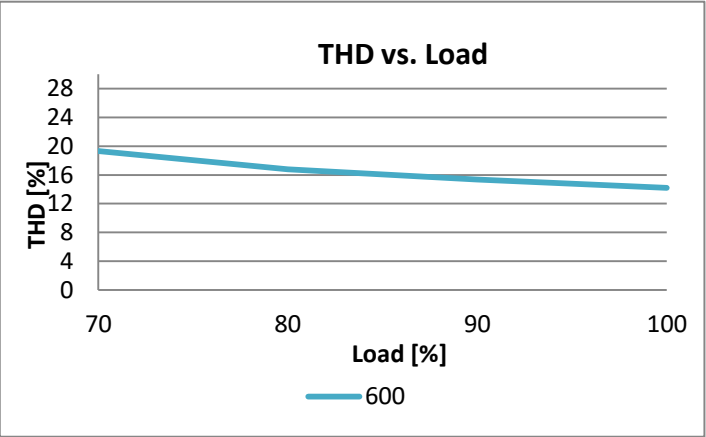
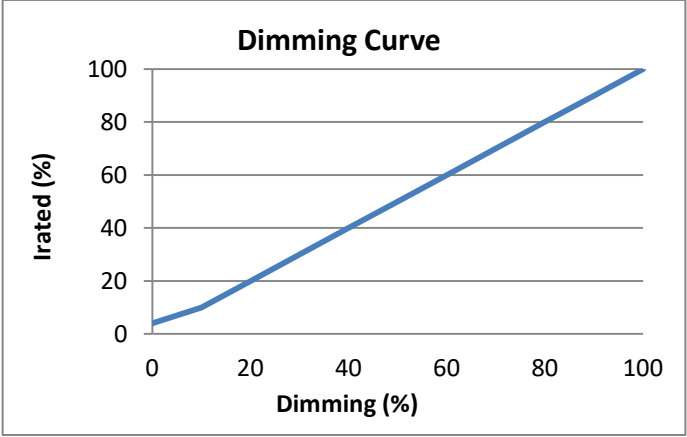
Subject to change without notice, HEP guarantees all products perform functionally well

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

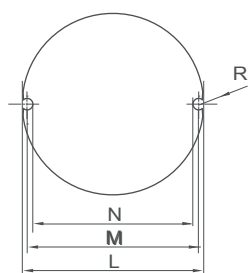
Trailing Edge Dimmer list approved by HEP

Manufacturer	Model	Q'ty of parallelconnection
Philips	SED-200A	8
Merten/Schneider	SBD315RC	12
Etman	ETM327	12
Etman	ETM329	12
CASAMBI	CBU-TED	4

Electrical Values



Physical Parameter



L : 55 mm M : 52 mm H : 22 mm
R : 1.7 mm N : 48.5 mm

Tolerance : ± 1 mm , R : ± 0.5 mm

Housing Material : Polycarbonate / Potting

Soldering : Lead-Free, Comply With RoHS

Label : Surface Print

Wiring Diagram

