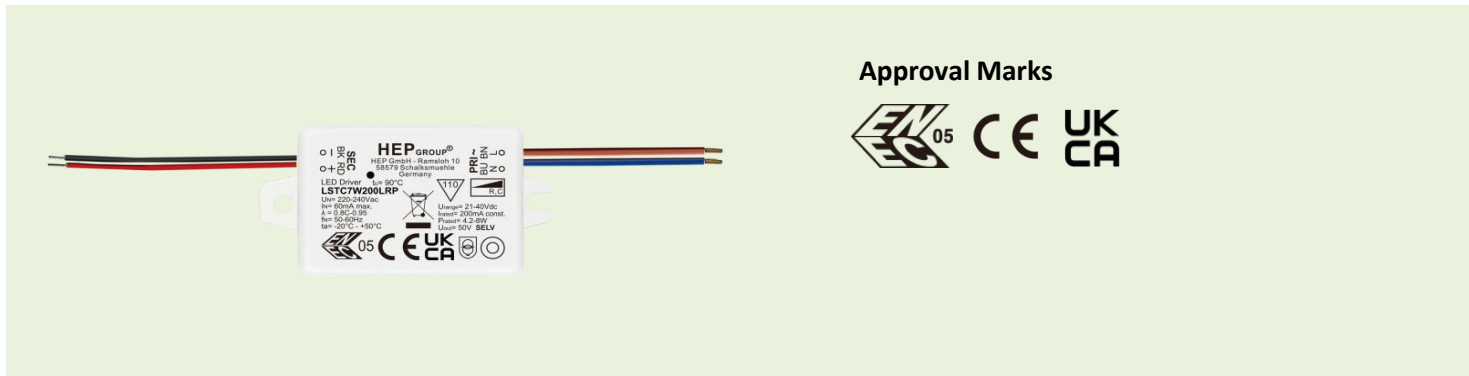




Item		Value	Remark
Nominal voltage		220–240V	
Nominal frequency		50–60Hz	
AC voltage range		198–264V	
DC voltage range (start)		NA	
DC voltage range (operation)		NA	
Nominal current		60mA	Full load @ 230VAC
Total Harmonic Distortion (THD)		< 25%	Full load @ 230VAC
Power factor			Min-load @ 240Vac and Full-load @ 220Vac
Input	LSTC7W150/180/250/300/350LRP	0.9C-0.95	
	LSTC7W200LRP	0.8C-0.95	
	LSTC7W500LRP	0.85C-0.95	
	Displacement factor		Min-load @ 240Vac and Full-load @ 220Vac
	LSTC7W150/180/250/300/350LRP	0.9C-0.95	
	LSTC7W200LRP	0.8C-0.95	
	LSTC7W500LRP	0.85C-0.95	
	Efficiency		Full load @ 230VAC
	LSTC7W150LRP	79% (Typ.)	
	LSTC7W180LRP	78% (Typ.)	
	LSTC7W200LRP	77% (Typ.)	
	LSTC7W250/300/350LRP	76% (Typ.)	
	LSTC7W500LRP	73% (Typ.)	
No-load power		NA	
Stand-by power		NA	
Protection class		NA	
Inrush current		15 A / 30 us	
Max.units per circuit breaker	Type B , 10A MCB	61	
	Type B , 16A MCB	97	
	Type C , 10A MCB	76	
	Type C , 16A MCB	121	
Earth leakage current		NA	

	Item	Value	Remark
Output	Nominal voltage range		
	LSTC7W150LRP	25–42Vdc	
	LSTC7W180LRP	21–41Vdc	
	LSTC7W200LRP	21–40Vdc	
	LSTC7W250LRP	16–26Vdc	
	LSTC7W300LRP	14–24Vdc	
	LSTC7W350LRP	12–21Vdc	
	LSTC7W500LRP	6.5–13Vdc	
	Maximum voltage		
	LSTC7W150/180/200LRP	50Vdc	
	LSTC7W250/300/350LRP	35Vdc	
	LSTC7W500LRP	25Vdc	
	Nominal current range		
	LSTC7W150LRP	150mA	
	LSTC7W180LRP	180mA	
	LSTC7W200LRP	200mA	
	LSTC7W250LRP	250mA	
	LSTC7W300LRP	300mA	
	LSTC7W350LRP	350mA	
	LSTC7W500LRP	500mA	
	Current accuracy	± 6%	Full load @230VAC
	Typical output LF current ripple		Low Frequency< 120Hz Full load @230VAC
	LSTC7W150/180/200LRP	± 10%	
	LSTC7W250/300LRP	± 8%	
	LSTC7W350/500LRP	± 8%	
	SVM	≤ 0.4	Full load @230VAC
	P _{st} LM	≤ 1	Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
	Nominal power range		
Dimming	LSTC7W150LRP	3.8-6.3W	
	LSTC7W180LRP	3.8-7.3W	
	LSTC7W200LRP	4.2-8.0W	
	LSTC7W250LRP	4.0-6.5W	
	LSTC7W300LRP	4.2-7.2W	
	LSTC7W350LRP	4.2-7.3W	
	LSTC7W500LRP	3.3-6.5W	
	Maximum power	8W	
	Dimming control	Trailing edge	
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Dimming range	10%-100%	
	Lowest dimming current	5%-10%	
	Galvanic isolation	NA	

	Item	Value	Remark
Environment	Ambient temperature range t _a	-20°C - +50°C	
	Maximum case temperature t _c		
	LSTC7W150/180/200/250/ 300/350/500LRP	90°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 - +90°C	
	Relative humidity	10% - 90%	
	Surge transient protection	1 kV	L/N
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	
	Expected lifetime		
	LSTC7W250/300/350/500LRP		
	Full Load	> 30,000 h, t _c 85 °C @ t _a 50 °C	0.33% / 1,000 h failure rate
	LSTC7W150/180/200LRP		
	Full Load	> 50,000 h, t _c 85 °C @ t _a 50 °C	0.2% / 1,000 h failure rate
Packing	Gross weight/box	4.3 kg	
	Net weight/box	3.5 kg	
	Pcs/box	100 PCS	
	Dimension/box	240(L)*190(W)*185(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	
Cable information			
PRI	Connection	L	N
	Color	Brown	Blue
	Wire type	7022	7022
	Wire diameter	AWG20	AWG20
	Wire length	143mm	145mm
	Stripping	6mm	6mm
	Tolerance	±5mm	±5mm
Sec	Connection	+	-
	Color	Red	Black
	Wire type	1332	1332
	Wire diameter	AWG22	AWG22
	Wire length	145mm	145mm
	Strip length	6mm	6mm
	Tolerance	±5mm	±5mm

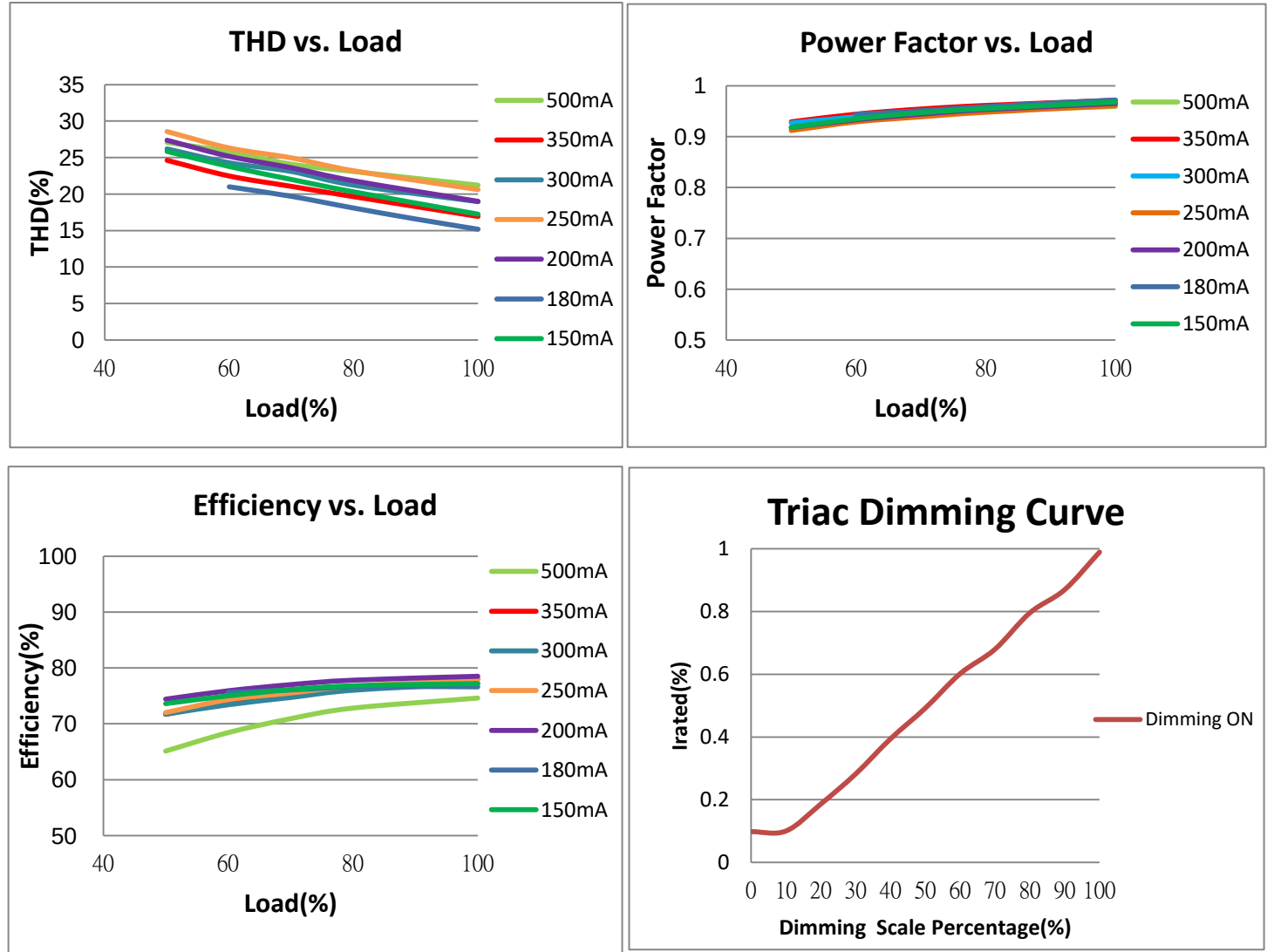
Subject to change without notice, HEP guarantees all products perform functionally well

*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

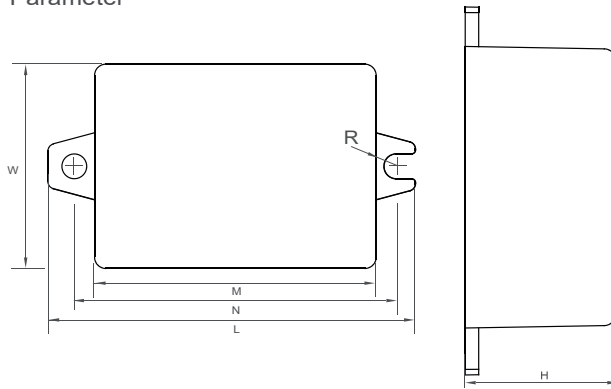
Manufacturer	Model	Q'ty of parallelconnection
Philips	SED-200A	13
Merten/Schneider	SBD315RC	18
Etman	ETM329	20
Merten	SBD200LED	20
Busch	6513 U-102	20
Busch	6523 UR-103	20
Busch	6523 U-102	14
Niko	310-0190X	18
JUNG	LB-Management	20
CASAMBI	CBU-TED	8

Electrical Values



Physical

Parameter



L : 49 mm H : 20 mm

M : 37.5 mm N : 42.9 mm

W : 27.2 mm R : 1.65 mm

Tolerance : ± 1 mm , R : ± 0.5 mm

Housing Material Polycarbonate/ Potting

Soldering Lead-Free, Comply With RoHS

Label Surface Print

Wiring Diagram

