



LED Electrical Specification for **LETC10WxxxLR-Z**

Phase Dimmable LED Driver



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		Full load @230VAC
LETC10W200LR-Z	52mA	
LETC10W250LR-Z	62mA	
LETC10W300LR-Z	49mA	
LETC10W350LR-Z	57mA	
LETC10W450LR-Z	57mA	
LETC10W500LR-Z	63mA	
Total Harmonic Distortion (THD)	< 20%	Full load @230VAC
Power factor		Full load @230VAC
Input	LETC10W200/300LR-Z	0.7-0.9C
	LETC10W250LR-Z	0.9C-0.96
	LETC10W350LR-Z	0.88C-0.97
	LETC10W450LR-Z	0.8-0.9C
	LETC10W500LR-Z	0.83-0.94C
Displacement factor		Full load @230VAC
LETC10W200/300LR-Z	0.7-0.9C	
LETC10W250LR-Z	0.9C-0.96	
LETC10W350LR-Z	0.88C-0.97	
LETC10W450LR-Z	0.8-0.9C	
LETC10W500LR-Z	0.83-0.94C	
Efficiency		Full load @230VAC
LETC10W200LR-Z	83%(Typ.)	
LETC10W250LR-Z	84%(Typ.)	
LETC10W300LR-Z	82%(Typ.)	
LETC10W350LR-Z	83%(Typ.)	
LETC10W450LR-Z	82%(Typ.)	
LETC10W500LR-Z	82%(Typ.)	

Item		Value	Remark
Input	No-load power	NA	
	Stand-by power	NA	
	Protection class	II	Suitable for class II luminaires
	Inrush current	13A / 28us	
	Max.units per circuit breaker	Type B , 10A MCB	63
		Type B , 16A MCB	102
		Type C , 10A MCB	79
		Type C , 16A MCB	127
	Earth leakage current	NA	
	Nominal voltage range		
Output	LETC10W200/250LR-Z	25-42Vdc	
	LETC10W300/350LR-Z	13-26Vdc	
	LETC10W450/500LR-Z	12-21Vdc	
	Maximum voltage		
	LETC10W200/250LR-Z	55Vdc	
	LETC10W300/350LR-Z	35Vdc	
	LETC10W450/500LR-Z	28Vdc	
	Nominal current range		
	LETC10W200LR-Z	200mA	
	LETC10W250LR-Z	250mA	
	LETC10W300LR-Z	300mA	
	LETC10W350LR-Z	350mA	
	LETC10W450LR-Z	450mA	
	LETC10W500LR-Z	500mA	
	Current accuracy	± 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		
	LETC10W200LR-Z	5-8.4W	
	LETC10W250LR-Z	6.3-10.5W	
	LETC10W300LR-Z	3.9-7.8W	
	LETC10W350LR-Z	4.6-9.1W	
	LETC10W450LR-Z	5.4-9.4W	
	LETC10W500LR-Z	6-10.5W	
	Maximum power	10.5W	
Dimming	Dimming control	Trailing edge	
	Dimming range	10-100%	
	Lowest dimming current	1-6%	
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Galvanic isolation	NA	

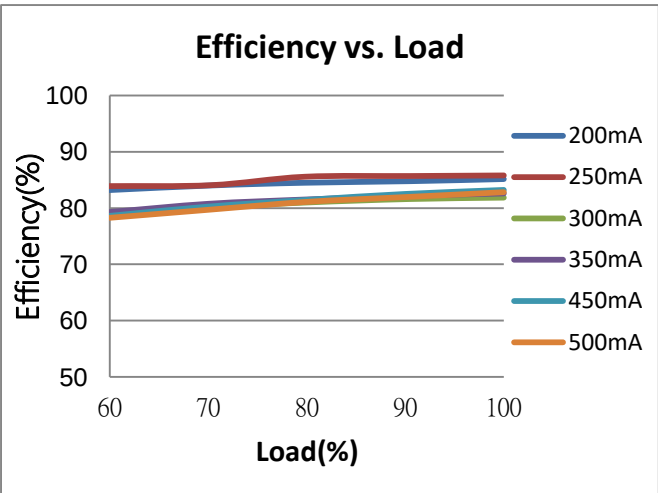
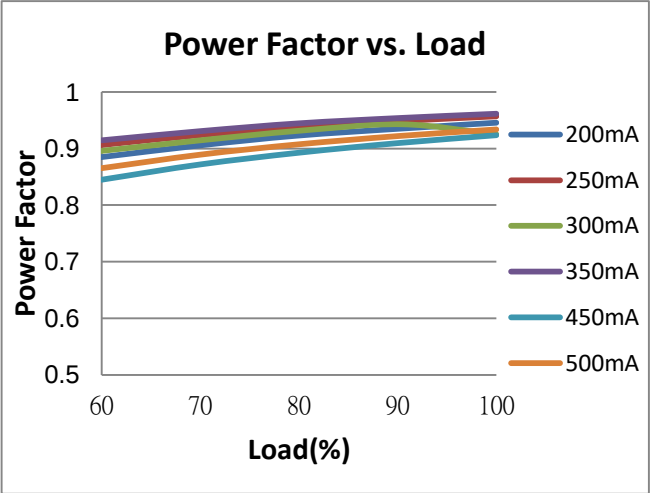
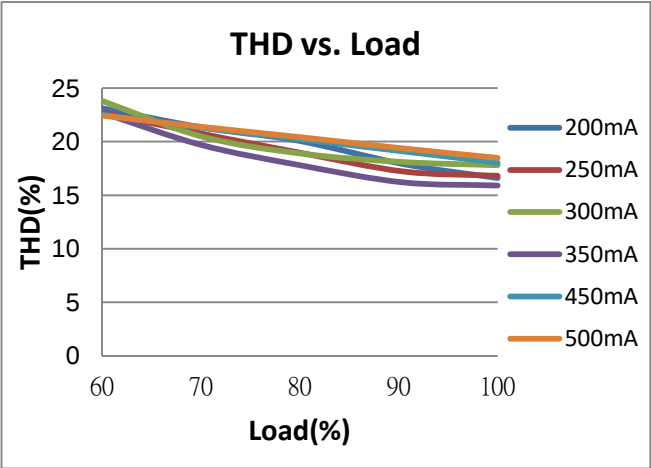
Environment	Ambient temperature range t_a	-20°C - +45°C	
	Maximum case temperature t_c	65°C	
	Max. case temp. in fault condition	110°C	When operating under fault conditions, the temperature of the enclosure at any location should not exceed 110 °C
	Storage temperature range	-40°C - +85°C	
	Relative humidity	10% - 90%	
	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 65 °C @ t_a 45 °C > 100,000 h, t_c 55 °C @ t_a 35 °C	0.2 % / 1,000 h failure rate 0.1 % / 1,000 h failure rate
Packing	Gross weight/Carton	11.5 kg	
	Net weight/Carton	10.3 kg	
	Pcs/Carton	132 PCS	
	Dimension/Carton	490 (L)*270(W)*225(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	
Cable information			
PRI Connection			
Cable cross-section		0.5-1.5□/AWG 20-16	
Stripping		9mm	
SEC Connection			
Cable cross-section		0.5-1.5□/AWG 20-16	
Stripping		9mm	
Terminal information			
PRI Push button/Angled Entry			
SEC Push button/Angled Entry			

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).

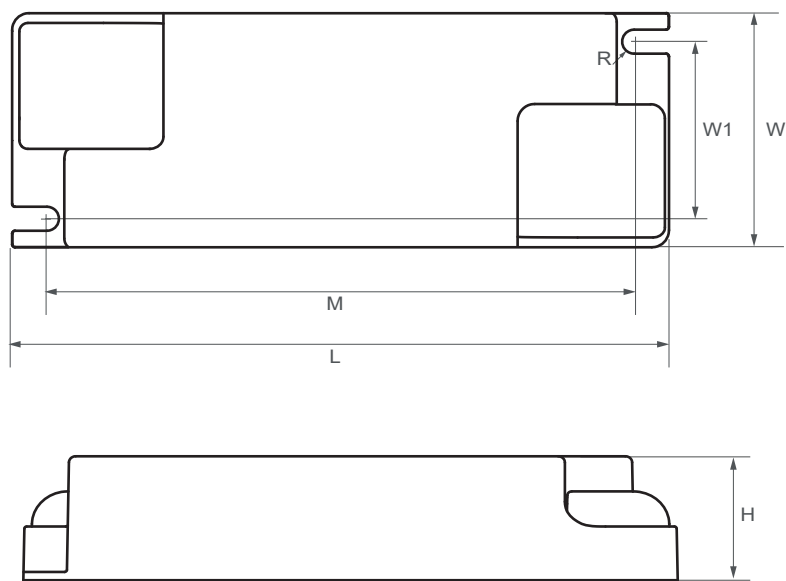
Trailing Edge Dimmer list approved by HEP

Manufacturer	Model	Q'ty of parallelconnection
Philips	SED-200A	13
Merten/Schneider	SBD315RC	20
Etman	ETM327	20
Etman	ETM329	20
CASAMBI	CBU-TED	6



Physical

Parameter



L : 115 mm W : 41 mm H : 25 mm
M 102.8 mm W1: 31 mm R : 2.1 mm

Slot On One Side Allowing Alignment : M+/-3 mm
Tolerance : +/-1 mm , R : +/-0.5 mm
Housing Material : Polycarbonate
Soldering : Lead-Free, Comply With RoHS
Label : Surface Print

Wiring Diagram

