

Approval Marks



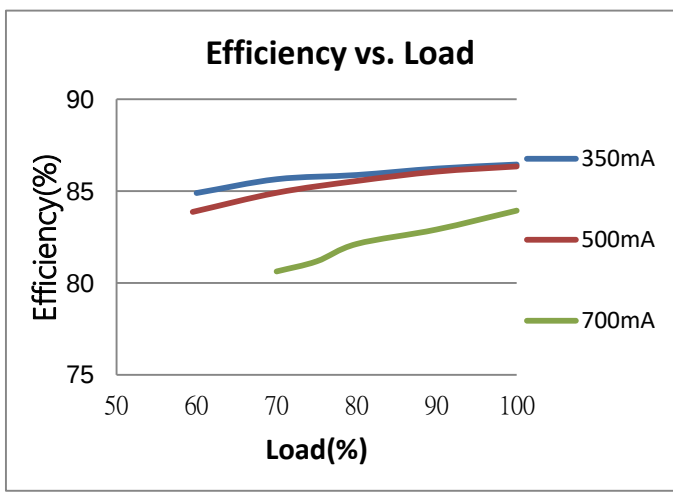
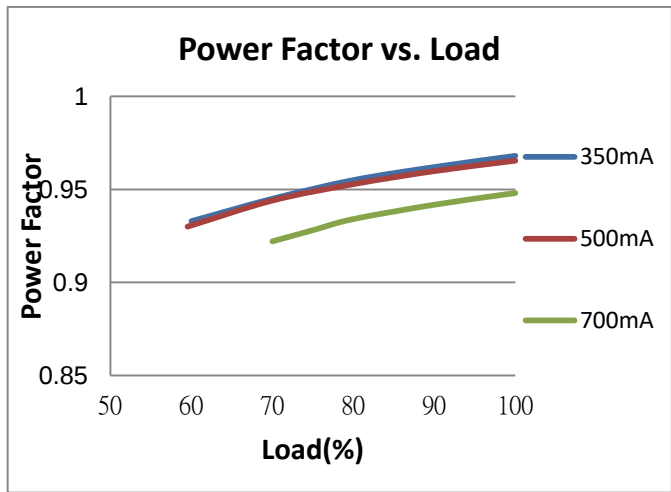
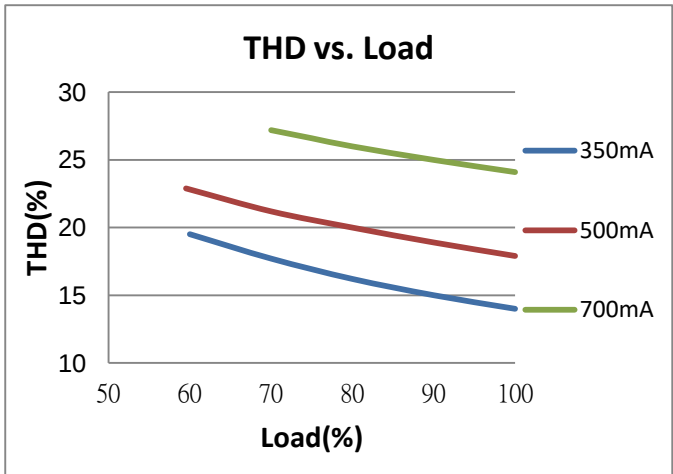
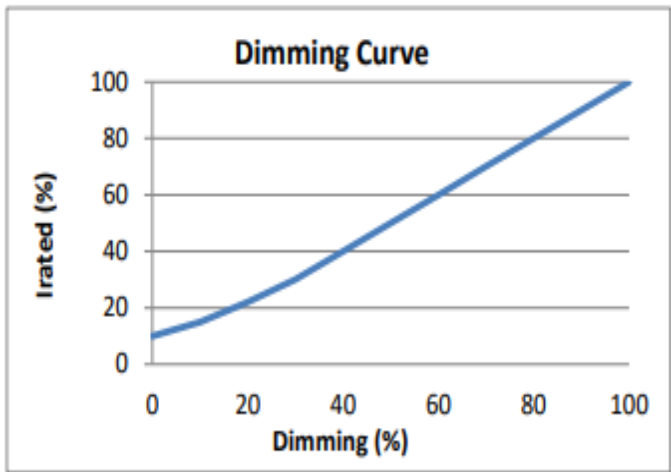
Item		Value	Remark
Nominal voltage		220-240V	
Nominal frequency		50-60Hz	
AC voltage range		198-264V	
DC voltage range (start)		NA	
DC voltage range (operation)		NA	
Nominal current			Full load @230VAC
Input	LETC20W350LR-Z	108mA	
	LETC20W500LR-Z	120mA	
	LETC20W700LR-Z	107mA	
	Total Harmonic Distortion (THD)	< 20%	Full load @230VAC
	LETC20W350/700LR-Z	< 25%	
	LETC20W500LR-Z	< 20%	
	Power factor	0.9C-0.96	Full load @230VAC
	Displacement factor	0.9C-0.96	Full load @230VAC
	Efficiency		Full load @230VAC
	LETC20W350LR-Z	86% (Typ.)	
	LETC20W500LR-Z	87% (Typ.)	
	LETC20W700LR-Z	84% (Typ.)	
	No-load power	NA	
	Stand-by power	NA	
	Protection class	II	Suitable for class I and II luminaires
	Inrush current		Full load @230VAC
	LETC20W350/700LR-Z	16A / 28us	
	Type B , 10A MCB	37	
	Type B , 16A MCB	59	
	Type C , 10A MCB	46	
	Type C , 16A MCB	74	
	LETC20W500LR-Z	13.5A / 26us	
	Type B , 10A MCB	33	
	Type B , 16A MCB	53	
	Type C , 10A MCB	42	
	Type C , 16A MCB	67	
Earth leakage current		NA	

	Item	Value	Remark
Output	Nominal voltage range		
	LETC20W350LR-Z	32-54Vdc	
	LETC20W500LR-Z	25-42Vdc	
	LETC20W700LR-Z	18-26Vdc	
	Maximum voltage		
	LETC20W350LR-Z	64Vdc	
	LETC20W500LR-Z	53Vdc	
	LETC20W700LR-Z	35Vdc	
	Nominal current range		Full load @230VAC
	LETC20W350LR-Z	350mA	
	LETC20W500LR-Z	500mA	
	LETC20W700LR-Z	700mA	
	Maximum voltage	± 5%	Full load @230VAC
	Typical output LF current ripple		
	LETC20W350/700LR-Z	± 5%	
	LETC20W500LR-Z	± 4%	
	SVM	≤ 0.4	Full load @230VAC
	P _{stLM}	≤ 1	Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
	Nominal power range		
Dimming	LETC20W350LR-Z	11.2-18.9W	
	LETC20W500LR-Z	12.5-21W	
	LETC20W700LR-Z	12.6-18.2W	
	Maximum power		
	LETC20W350/700LR-Z	18.9W	
	LETC20W500LR-Z	21W	
	Dimming control	Trailing Edge	
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Dimming range		
Environment	LETC20W350/700LR-Z	5-100%	
	LETC20W500LR-Z	10-100%	
	Lowest dimming current		
	LETC20W350/700LR-Z	4-6%	
	LETC20W500LR-Z	0.22-6%	
	Galvanic isolation	NA	
	Ambient temperature range t _a	-20°C - +45°C	
	Maximum case temperature t _c	80°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	-30°C - +80°C	
	Relative humidity	10% - 95%	
	Surge transient protection	1 kV	L/N
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	

Item	Value	Remark
Environment	Expected lifetime	
	LETC20W350LR-Z	> 40,000 h, tc 80 °C @ ta 45 °C > 80,000 h, tc 70 °C @ ta 35 °C
	LETC20W500LR-Z	> 46,000 h, tc 80 °C @ ta 45 °C > 100000 h, tc 70 °C @ ta 35 °C
	LETC20W700LR-Z	> 50,000 h, tc 80 °C @ ta 45 °C > 100,000 h, tc 70 °C @ ta 35 °C
		0.25 % / 1,000 h failure rate 0.13 % / 1,000 h failure rate 0.2 % / 1,000 h failure rate 0.1 % / 1,000 h failure rate 0.2 % / 1,000 h failure rate 0.1 % / 1,000 h failure rate
Packing	Gross weight/box	12.1 kg
	Net weight/box	10.6 kg
	Pcs/box	132 PCS
	Dimension/box	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	
Pull test cable type	H03VV(H2)-F 2x0,75-1,0 mm ² , H05VV(H2)-F 2x0,75 mm ²	
SEC Connection (Red/Black)		
Cable cross-section	0.5-1.5□/AWG 20-16	
Stripping	9mm	
Terminal information		
PRI Push button/Angled Entry		
SEC Push button/Angled Entry (Red/Black)		
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).		

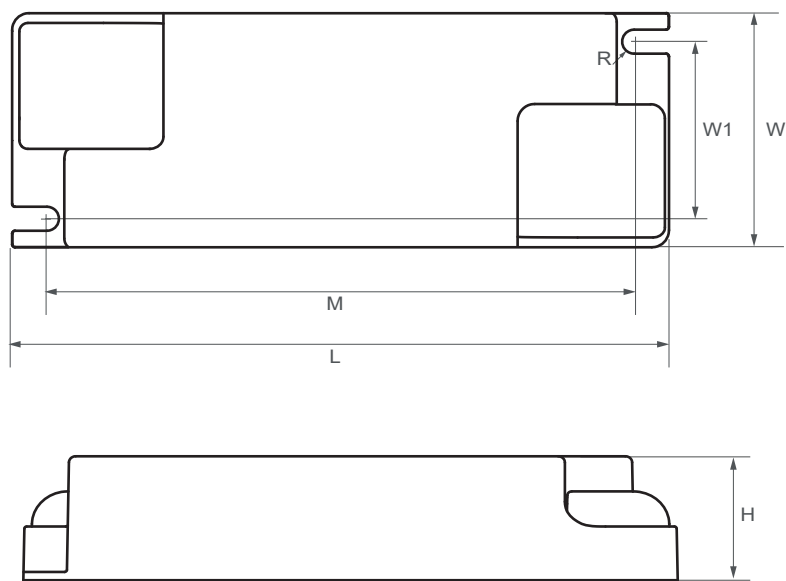
Trailing Edge Dimmer list approved by HEP

Manufacturer	Model	Q'ty of parallelconnection
Philips	SED-200A	8
Merten/Schneider	SBD315RC	12
Etman	ETM327	12
Etman	ETM329	12
Busch	6523 UR-103	14
Busch	6523 U-102	14
Niko	310-0190X	7
JUNG	LB-Management	3
Merten	SBD200LED(MEG5134-0000)	7
AU	P3	8
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

