



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		
LETC42W1050LR-Z	230mA	
LETC42W1000LR-Z	220mA	
LETC42W900LR-Z	200mA	
LETC42W700LR-Z	210mA	
<b>Input</b> Total Harmonic Distortion (THD)	< 20%	Full load @230VAC
Power factor	0.95-0.98	Full load @230VAC
Displacement factor	0.95-0.98	Full load @230VAC
Efficiency	89% (Typ.)	Full load @230VAC
No-load power	NA	
Stand-by power	NA	
Protection class	II	Suitable for class II luminaires
Inrush current	12A / 50us	Full load @230VAC
Max.units per circuit breaker	Type B , 10A MCB	17
	Type B , 16A MCB	28
	Type C , 10A MCB	22
	Type C , 16A MCB	35
Earth leakage current	NA	
<b>Output</b> Nominal voltage range		
LETC42W900/1000/1050LR-Z	25-40Vdc	
LETC42W700LR-Z	32-54Vdc	
Maximum voltage		
LETC42W900/1000/1050LR-Z	53Vdc	
LETC42W700LR-Z	60Vdc	
Nominal current range		Full load @230VAC
LETC42W1050LR-Z	1050mA	
LETC42W1000LR-Z	1000mA	
LETC42W900LR-Z	900mA	
LETC42W700LR-Z	700mA	

	Item	Value	Remark
Output	Current accuracy	± 5%	
	Typical output LF current ripple	± 4%	Low Frequency < 120Hz Full load @230VAC
	SVM	≤ 0.4	Full load @230VAC
	PstLM	≤ 1	Full load @230VAC
	Nominal power range		
	LETC42W1050LR-Z	26.3-42W	
	LETC42W1000LR-Z	25-40W	
	LETC42W900LR-Z	22.5-36W	
	LETC42W700LR-Z	22.4-37.8W	
	Maximum power	42W	
Dimming	Dimming control	Trailing Edge	
	Dimming range	10-100%	
	Lowest dimming current	0.5-6%	
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Galvanic isolation	NA	
Environment	Ambient temperature range $t_a$	-20°C - +45°C	
	Maximum case temperature $t_c$	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	
	Expected lifetime	> 40,000 h, $t_c$ 80 °C @ $t_a$ 45 °C > 80000 h, $t_c$ 70 °C @ $t_a$ 35 °C	0.2 % / 1,000 h failure rate 0.1 % / 1,000 h failure rate
Packing	Gross weight/box	12.0 kg	
	Net weight/box	10.8 kg	
	Pcs/box	90 PCS	
	Dimension/box	490(L)*270(W)*225(H)mm	
<b>Protections</b>			
	Short-circuit Protection	Auto recovery	
	Open-circuit Protection	Auto recovery	
	Overload Protection	Auto recovery	
<b>Conformity &amp; Standards</b>			
	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	
<b>Cable information</b>			
<b>PRI Connection</b>			
	Cable cross-section	0.5-1.5□/AWG 20-16	
	Stripping	9mm	
	Pull test cable type	H03VV(H2)-F 2x0,75-1,0 m <sup>3</sup> ,H05VV(H2)-F 2x0,75-1,0 m <sup>3</sup>	

Item	Value	Remark
<b>SEC</b> 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)

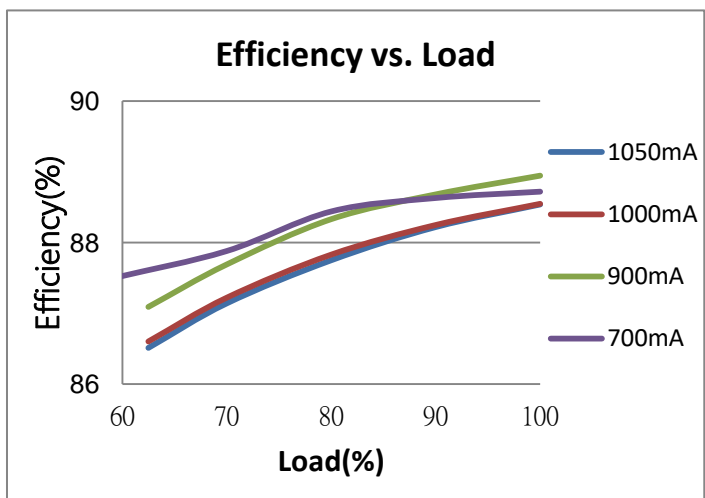
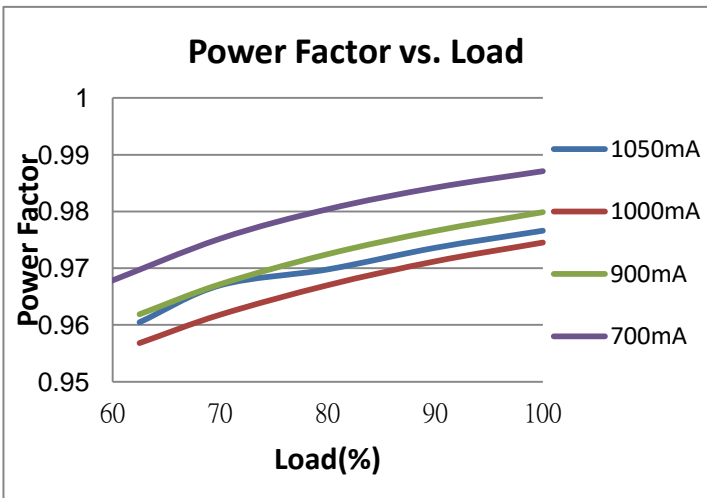
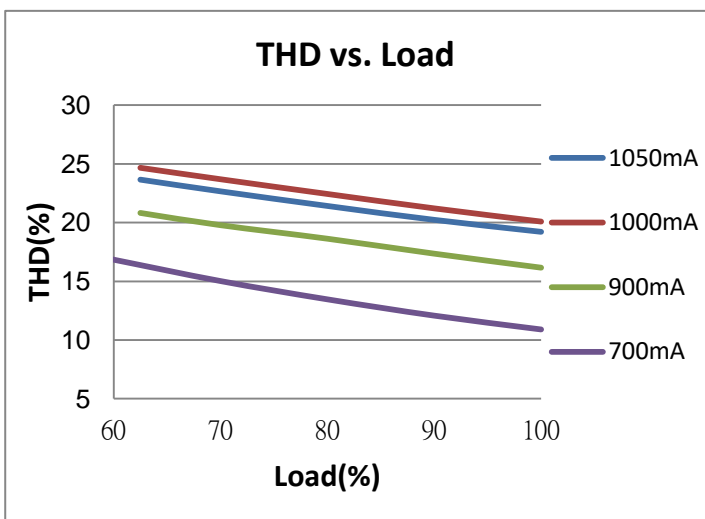
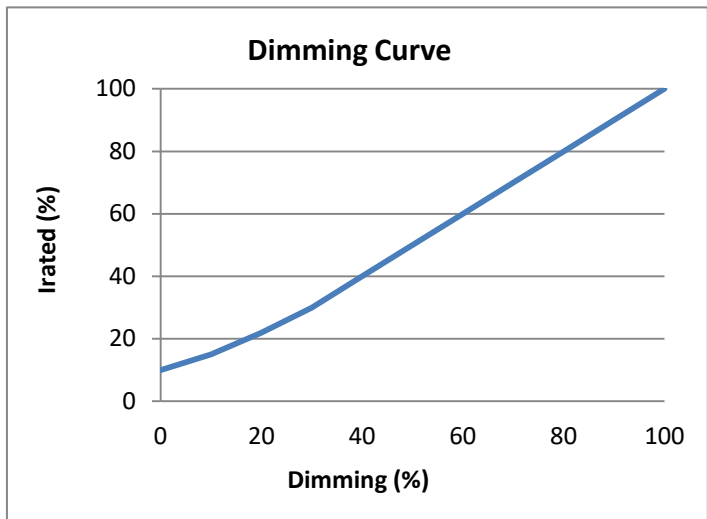
\*Subject to change without notice, HEP guarantees all products perform functionally well\*

\* 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**

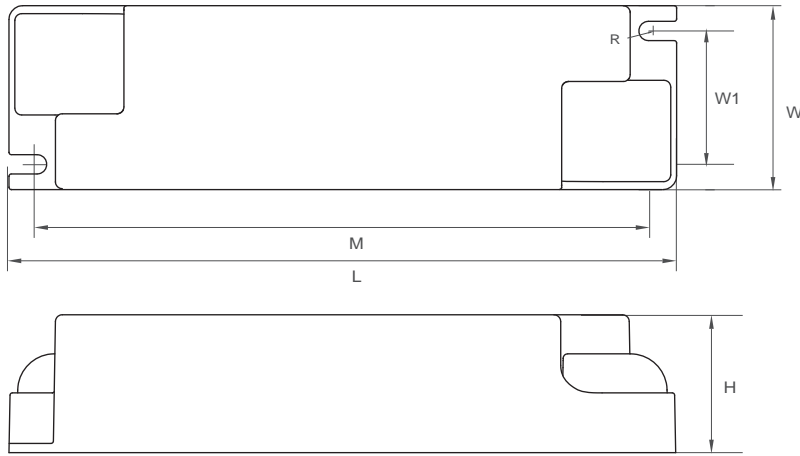
Manufacturer	Model	Q'ty of parallelconnection
Philips	SED-200A	4
Merten/Schneider	SBD315RC	6
Etman	ETM327	6
Etman	ETM329	6
Busch	6523 UR-103	7
Busch	6523 U-102	7
Niko	310-0190X	3
JUNG	LB-Management	2
Merten	SBD200LED(MEG5134-0000)	3
AU	P3	4
CASAMBI	CBU-TED	2

**Electrical Values**



## Physical

### Parameter



L : 145 mm    W : 40 mm    H : 30 mm  
M : 132.8 mm    W1 : 29 mm    R : 2.1 mm

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

## Wiring Diagram

