

Approval Marks

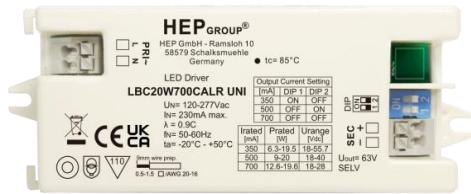


Item	Value	Remark
Nominal voltage	120 - 277 V	
Nominal frequency	50 - 60 Hz	
AC voltage range	108 - 304 V	
DC voltage range (start)	NA	
DC voltage range (operation)	NA	
Nominal current	230 / 110 mA	Full load @120/230VAC
Total Harmonic Distortion (THD)	<8%	Full load @120/230VAC
Power factor	0.9 C	Full load @120/230VAC
Displacement factor	0.9 C	Full load @120/230VAC
Efficiency		Full load @120/230VAC
Input	350mA	86 %(Typ.)
	500mA	84 %(Typ.)
	700mA	83 %(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	17
	Type B , 16A MCB	28
	Type C , 10A MCB	22
	Type C , 16A MCB	35
Earth leakage current	NA	
Nominal voltage range	18 - 55.7 Vdc	
Maximum voltage	350mA	55.7 Vdc
	500mA	40 Vdc
	700mA	28 Vdc
Nominal current range	350 - 700 mA	
Current accuracy	± 5 %	Full load @120/230VAC
Typical output LF current ripple	± 5 %	Low Frequency< 120Hz Full load @120/230VAC
SVM	≤ 0.4	Full load @120/230VAC
P _{stLM}	≤ 1	Full load @120/230VAC

	Item	Value	Remark
Output	Starting time	< 0.5 S	Full load @120/230VAC
	Nominal power range	6.3 - 20 W	
	Maximum power	20 W	
Dimming	Dimming control	NA	
	Dimming technique	NA	
	PWM frequency	NA	
	Dimming range	NA	
	Lowest dimming current	NA	
	Galvanic isolation	NA	
	Environment	Ambient temperature range t_a	- 20 °C - + 50 °C
Maximum case temperature t_c		85 °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			
Full load 20W		> 50,000 h , t_c 85 °C @ t_a 50 °C	0.2% / 1,000 h failure rate
Output load \leq 14W		> 40,000 h , t_c 85 °C @ t_a 60 °C	0.25% / 1,000 h failure rate
Packing		Gross weight/Carton	16.7 kg
	Net weight/Carton	15.5 kg	
	Pcs/Carton	120 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	9 mm	
	Pull test cable type	H03VV(H2)-F 2x0,75-1.0 mm ² /H05VV(H2)-F 2x0,75 mm ²	
SEC Connection			
	Cable cross-section	0.5 - 1.5 □ / AWG 20 - 16	
	Stripping	9 mm	
Terminal			
	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 120/230VAC input (for 120-277 VAC input).



Built-in type

Order number: LBC20W700CALR UNI

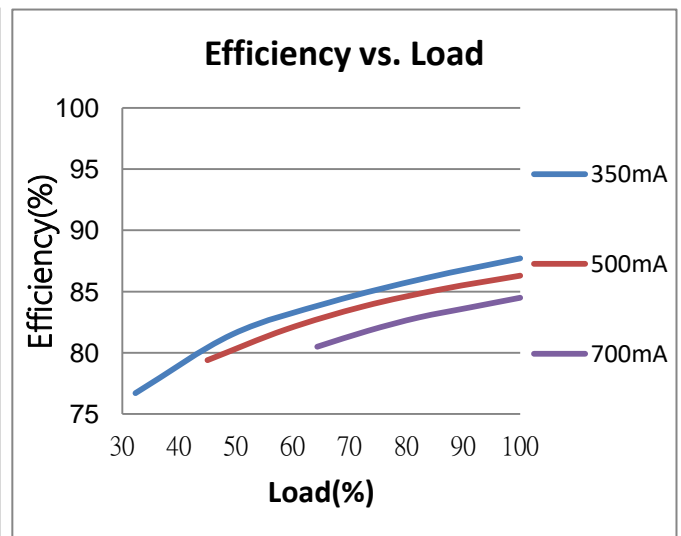
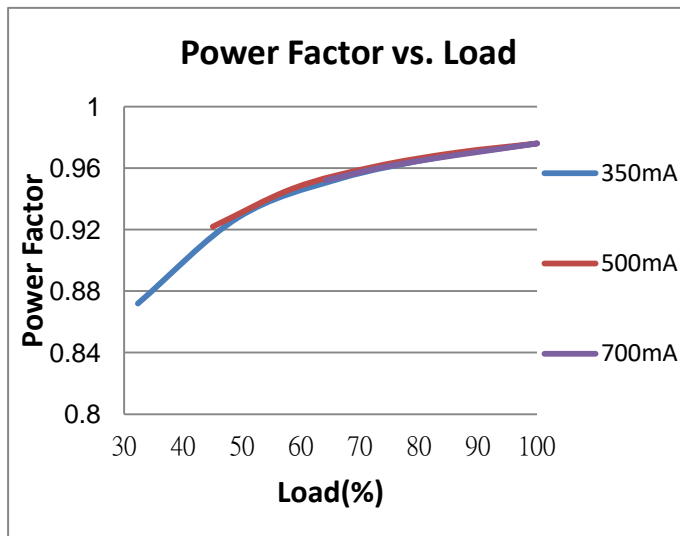
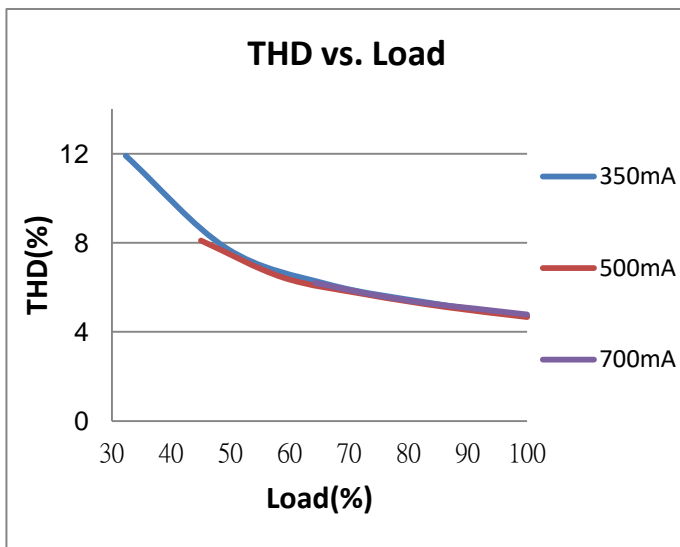


Independent type

Order number: LBC20W700CALRZ UNI

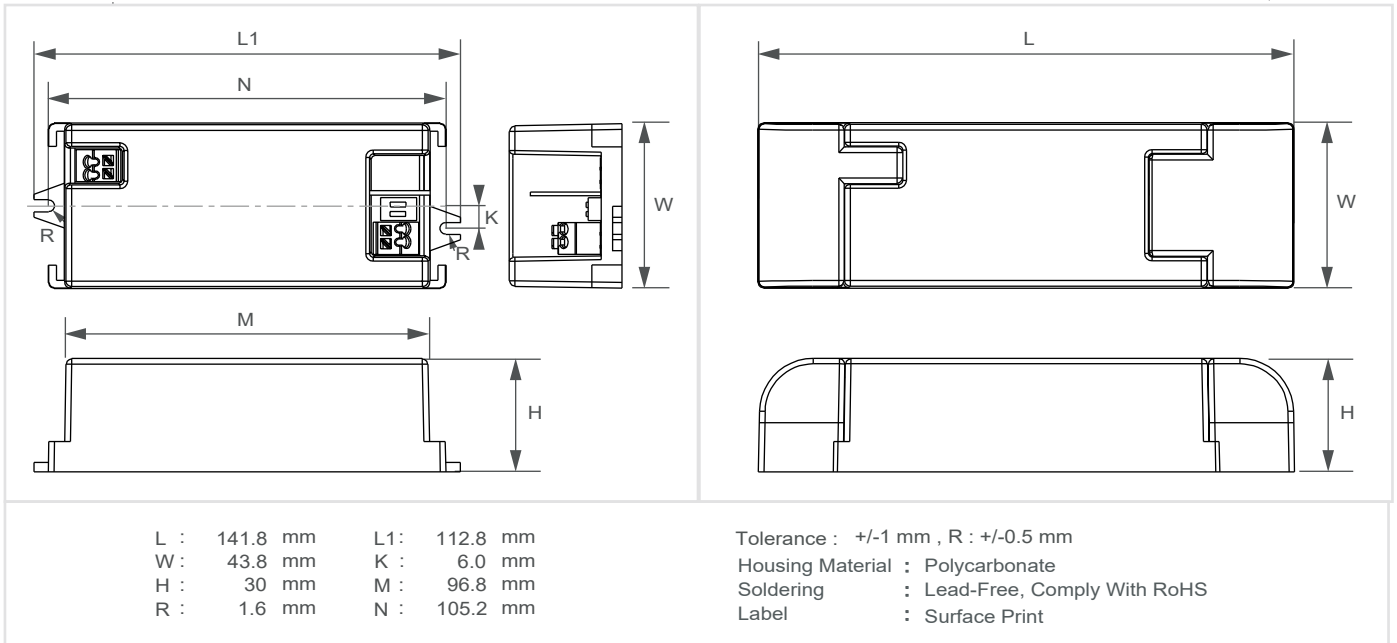
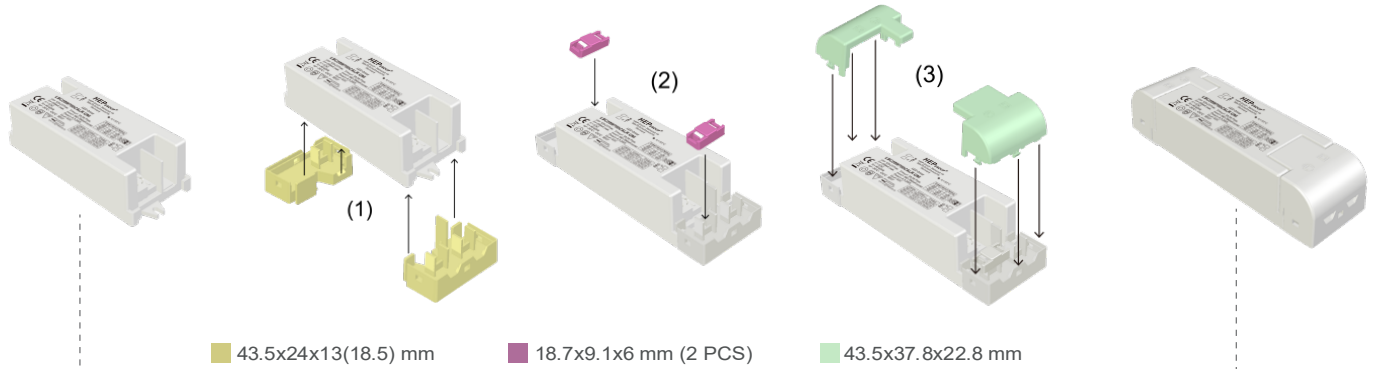
Electrical Values

Output Current (mA)	Output Voltage Range (V)	Output Power Range (W)
700	18-28	12.6-19.6
500	18-40	9.0-20.0
350	18-55.7	6.3-19.5



Physical
Parameter

▼ By adding side covers the built-in type simply easy as an independent unit.



Dip Switch - One driver offers 3 choosable output current



Current	Dip-switch setting	
	1	2
350mA	ON	-
500mA	-	ON
700mA	-	-

WiringDiagram

