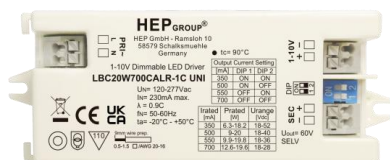


Item	Value	Remark	
Nominal voltage	120 - 277 V		
Nominal frequency	50 - 60 Hz		
AC voltage range	108 - 304 V		
DC voltage range (start)	NA		
DC voltage range (operation)	NA		
Nominal current	230 / 110 mA	Full load @ 120/230VAC	
Total Harmonic Distortion (THD)	< 8 %	Full load @ 120/230VAC	
Power factor	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	85 % (Typ.)	
	550mA	84 % (Typ.)	
	700mA	83 % (Typ.)	
	No-load power	NA	
Stand-by power	NA		
Networked standby power	NA		
Protection class	NA		
Inrush current	15 A / 30 us	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		
Nominal voltage range	18 - 52 Vdc		
Maximum voltage	60 Vdc		
Nominal current range	350 - 700 mA	Adjusted via Dip switch Factory default 350mA	
Current accuracy	± 5 %	Full load @ 120/230VAC	
Output	Typical output LF current ripple	± 5 %	Low Frequency < 120Hz Full load @ 230VAC
	SVM	≤ 0.4	Full load @ 120/230VAC
	P _{stLM}	≤ 1	Full load @ 120/230VAC
	Starting time	< 0.5 S	Full load @ 120/230VAC
	Nominal power range	6.3 - 20 W	
	Maximum power	20 W	
	Color tuning range	NA	
Dimming	Dimming control	1-10V	
	Dimming range	1-100%	1-10V
	Lowest dimming current	0.5-1.5%	
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Galvanic isolation	Basic insulated to PRI and supplementary insulated to SEC	
Environment	Ambient temperature range t _a	- 20 °C - + 50 °C	
	Maximum case temperature t _c	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 - + 85 °C	
	Relative humidity	10 % - 95 %	
Surge transient protection	1 kV	L/N	

Item	Value		Remark
Environment	Environmental rating		Indoor
	IP rating		IP20
	Mains switching cycles		> 100,000
	Expected lifetime		
	Full load 20W	> 50,000 h, tc 90 °C @ ta 50 °C	0.2 % / 1,000 h failure rate
Output load ≤ 12.6W	> 40,000 h, tc 90 °C @ ta 60 °C	0.25 % / 1,000 h failure rate	
Packing	Gross weight/box		17.5 kg
	Net weight/box		16 kg
	Pcs/box		120 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	
PRI Connection			
Cable cross-section	0.5 - 1.5 <input type="checkbox"/> / 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 <input type="checkbox"/> / AWG 20 - 16		
Stripping	9 mm		
1-10V Connection			
Cable cross-section	0.5 - 1.5 <input type="checkbox"/> / AWG 20 - 16		
Stripping	9 mm		
Terminal	PRI-	Push button/Angled Entry	
	SEC-	Push button/Angled Entry	
	1-10V-	Push button/Angled Entry	

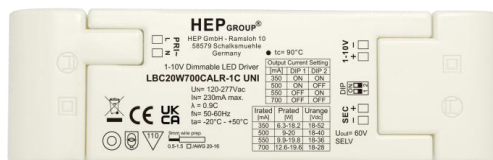
Subject to change without notice, HEP guarantees all products perform functionally well

* 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-1C UNI

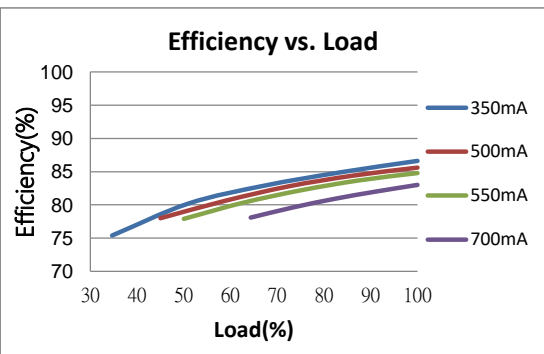
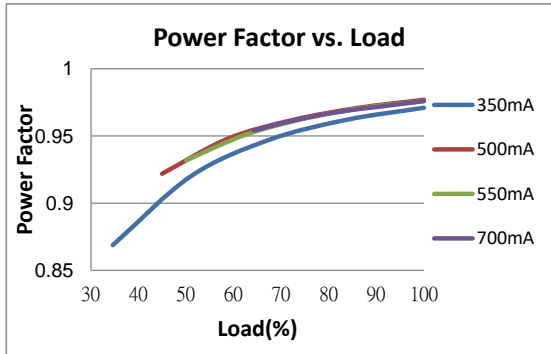
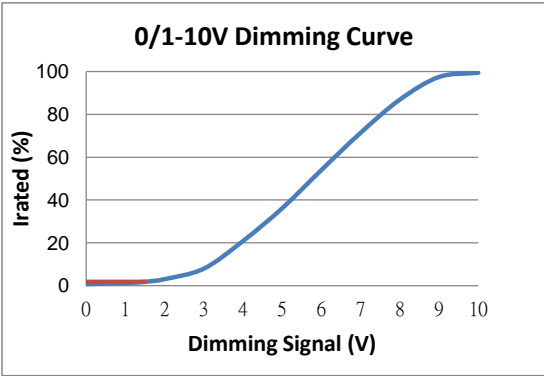
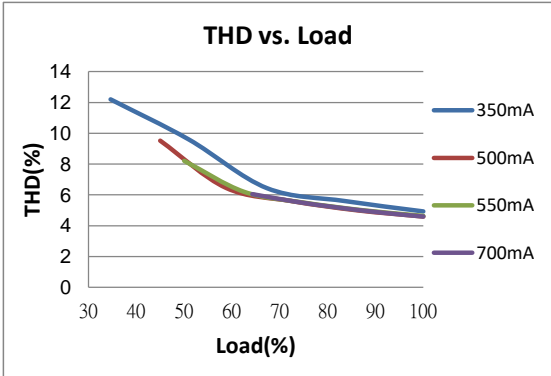


Independent type

Order number: LBC20W700CALR-1CZ UNI

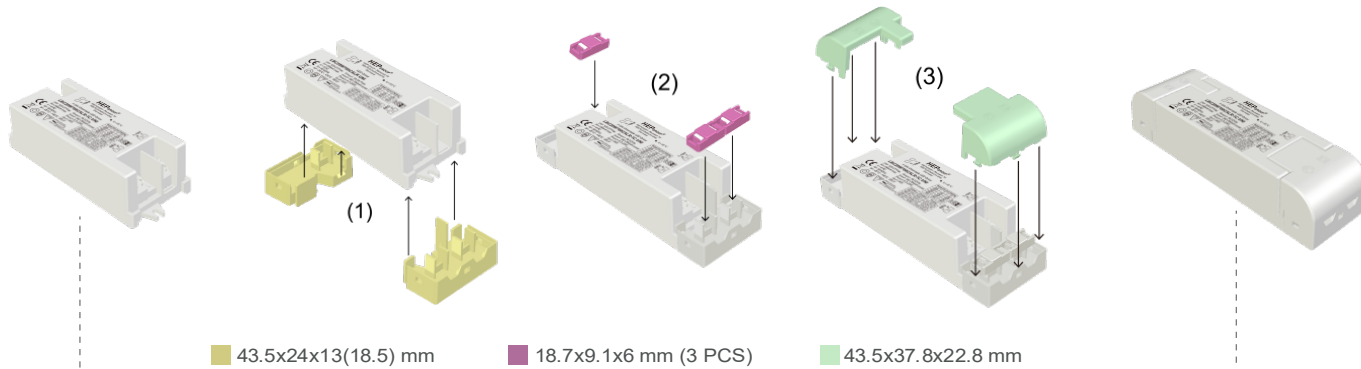
Electrical Values

Output Current (mA)	Output Voltage Range (V)	Output Power Range (W)
700	18-28	12.6-19.6
550	18-36	9.9-19.8
500	18-40	9.0-20.0
350	18-52	6.3-18.2

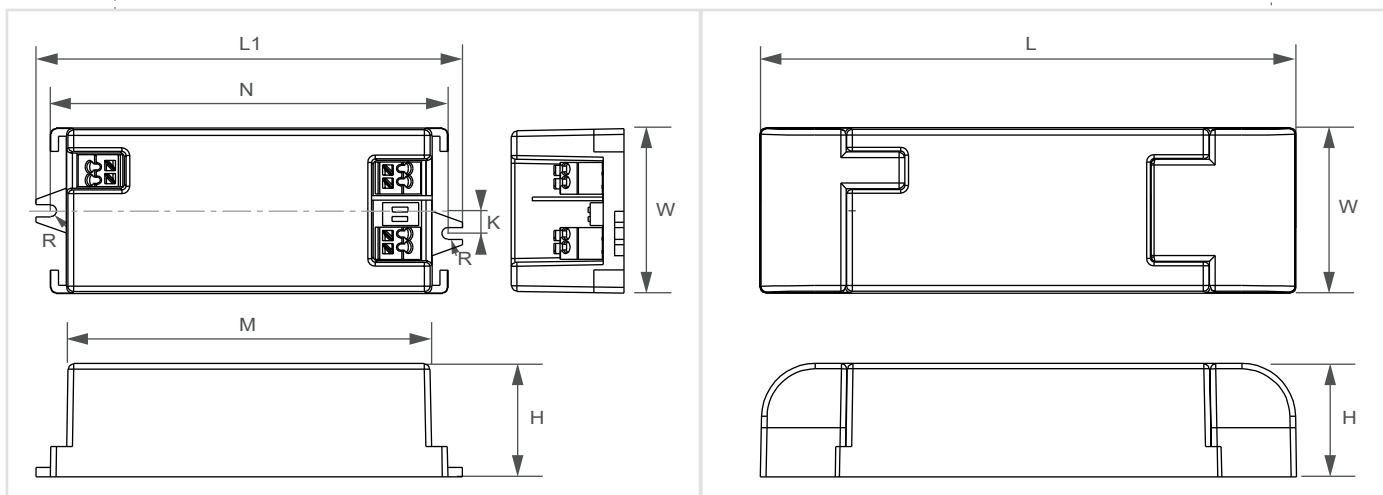


Physical
Parameter

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



■ 43.5x24x13(18.5) mm ■ 18.7x9.1x6 mm (3 PCS) ■ 43.5x37.8x22.8 mm



L :	141.8 mm	L1:	112.8 mm
W :	43.8 mm	K :	6.0 mm
H :	30 mm	M :	96.8 mm
R :	1.6 mm	N :	105.2 mm

Tolerance : +/-1 mm , R : +/-0.5 mm
 Housing Material : Polycarbonate
 Soldering : Lead-Free, Comply With RoHS
 Label : Surface Print

Dip Switch - One driver offers 4 choosable output current



Current	Dip-switch setting	
	1	2
350mA	ON	ON
500mA	ON	-
550mA	-	ON
700mA	-	-

WiringDiagram

