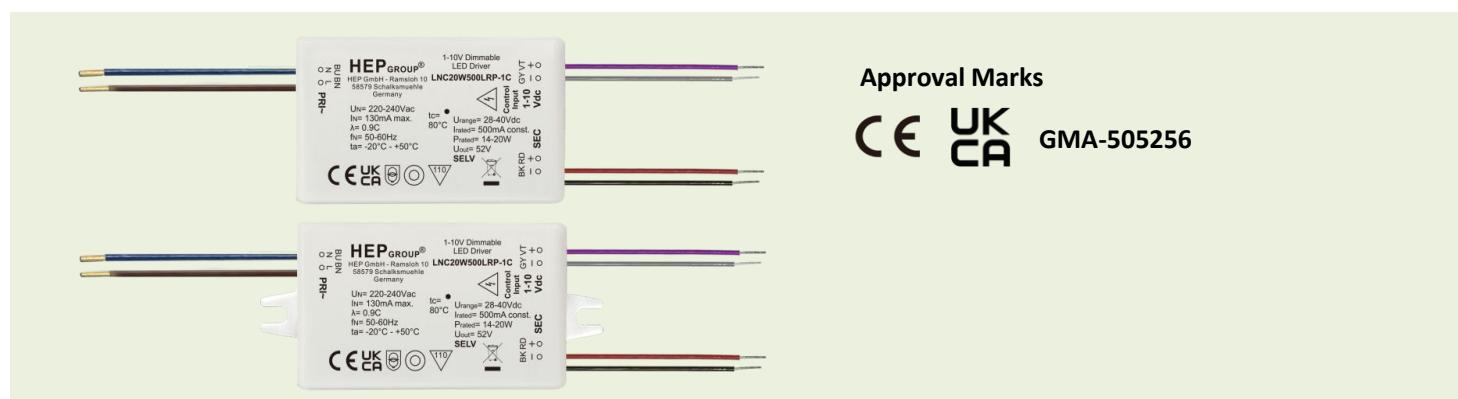




Item		Value	Remark
Input	Nominal voltage	220–240V	
	Nominal frequency	50–60Hz	
	AC voltage range	198–264V	
	DC voltage range (start)	NA	
	DC voltage range (operation)	NA	
	Nominal current		
	LNC20W700LRP-1C	130mA	
	LNC20W600LRP-1C	115mA	
	LNC20W550LRP-1C	110mA	
	LNC20W500LRP-1C	130mA	
	LNC20W450LRP-1C	120mA	
	LNC20W400LRP-1C	110mA	
	LNC20W350LRP-1C	130mA	
	LNC20W300LRP-1C	110mA	
	LNC20W200LRP-1C	85mA	
	Total Harmonic Distortion (THD)	< 25%	Full load @ 230VAC
	Power factor	0.9C	Full load @ 230VAC
	Displacement factor	0.9C	Full load @ 230VAC
	Efficiency	80% (Typ.)	Full load @ 230VAC
	No-load power	NA	
	Stand-by power	< 0.5W	
	Protection class	NA	
	Inrush current	6.24 A / 17.6µs	
	Max.units per circuit breaker	Type B , 10A MCB	31
		Type B , 16A MCB	49
		Type C , 10A MCB	38
		Type C , 16A MCB	62
	Earth leakage current	NA	
Output	Nominal voltage range		
	LNC20W700/600/550LRP-1C	20-29 Vdc	
	LNC20W500/450/400LRP-1C	28-40 Vdc	
	LNC20W350/300/200LRP-1C	40-58 Vdc	
	Maximum voltage		
	LNC20W700/600/550LRP-1C	40 Vdc	
	LNC20W500/450/400LRP-1C	52 Vdc	
	LNC20W350/300/200LRP-1C	68 Vdc	

	Item	Value	Remark
Output	Nominal current range		
	LNC20W700LRP-1C	700mA	
	LNC20W600LRP-1C	600mA	
	LNC20W550LRP-1C	550mA	
	LNC20W500LRP-1C	500mA	
	LNC20W450LRP-1C	450mA	
	LNC20W400LRP-1C	400mA	
	LNC20W350LRP-1C	350mA	
	LNC20W300LRP-1C	300mA	
	LNC20W200LRP-1C	200mA	
	Current accuracy	± 5%	
	Typical output LF current ripple	± 6%	Low Frequency<120Hz Full load @ 230VAC (Peak to Peak)
	Starting time	< 0.5 S	Full load @230VAC
	Nominal power range		
	LNC20W700LRP-1C	14.0-20.3W	
	LNC20W600LRP-1C	12.0-17.4W	
	LNC20W550LRP-1C	11.0-15.9W	
	LNC20W500LRP-1C	14.0-20.0W	
	LNC20W450LRP-1C	12.6-18.0W	
	LNC20W400LRP-1C	11.2-16.0W	
	LNC20W350LRP-1C	14.0-20.3W	
	LNC20W300LRP-1C	12.0-17.4W	
	LNC20W200LRP-1C	8.0-11.6W	
Dimming	Maximum power	20W	
	Dimming control	0/1-10V	0V:Dimming Port Short
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Dimming range	5-100%	
	Lowest dimming current	4-8%	1V : Full load @ 230VAC When dimming under 1V, the output current won't be defined.
Environment	Galvanic isolation	Basic insulated to PRI and supplementary insulated to SEC	
	Ambient temperature range t _a	-20°C - +50°C	
	Maximum case temperature t _c	80°C	ta = 50 °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
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	
	Expected lifetime	> 50,000 h, tc 80 °C @ ta 50 °C > 100,000 h, tc 70 °C @ ta 40 °C	0.2 % / 1,000 h failure rate @ tc 85 °C 0.1 % / 1,000 h failure rate @ tc 75 °C
Packing	Gross weight/Carton	9.4 kg	
	Net weight/Carton	8.3 kg	
	Pcs/Carton	64 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
SAA standard:	AS/NZS 61347.1, AS/NZS IEC 61347.2.13

Cable information

PRI Connection	L	N
Color	Brown	Blue
Wire type	7022	7022
Wire diameter	AWG18	AWG18
Wire length	130mm	128mm
Stripping	6mm	6mm
Tolerance	±5mm	±5mm

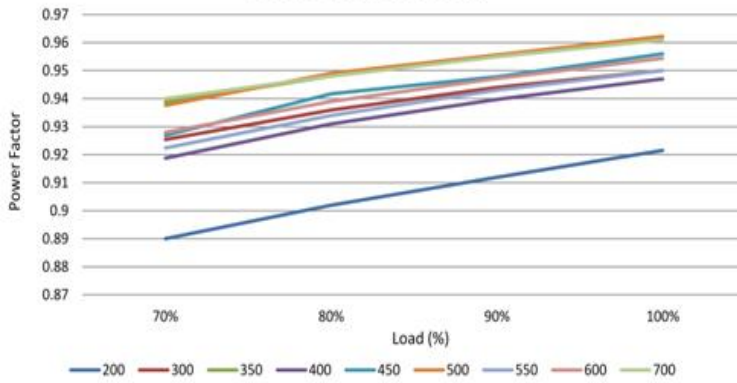
Sec Connection	+	-
Color	Red	Black
Wire type	3385	3385
Wire diameter	AWG22	AWG22
Wire length	141mm	138mm
Strip length	6mm	6mm
Tolerance	±5mm	±5mm

Control Input 1-10V	+	-
Color	Purple	Gray
Wire type	1332	1332
Wire diameter	AWG22	AWG22
Wire length	126mm	126mm
Stripping	10mm	10mm
Tolerance	±5mm	±5mm

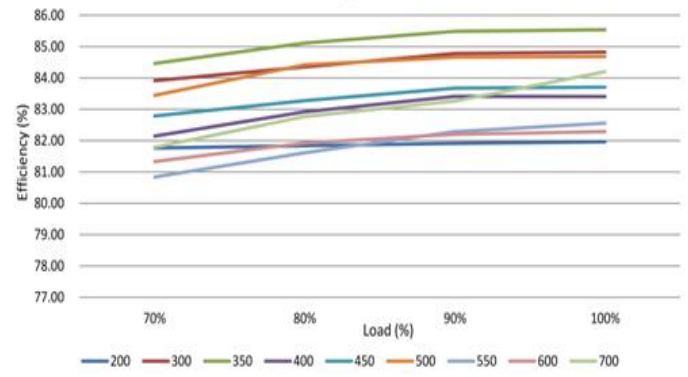
Subject to change without notice, HEP guarantees all products perform functionally well

*If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

Power Factor vs Load

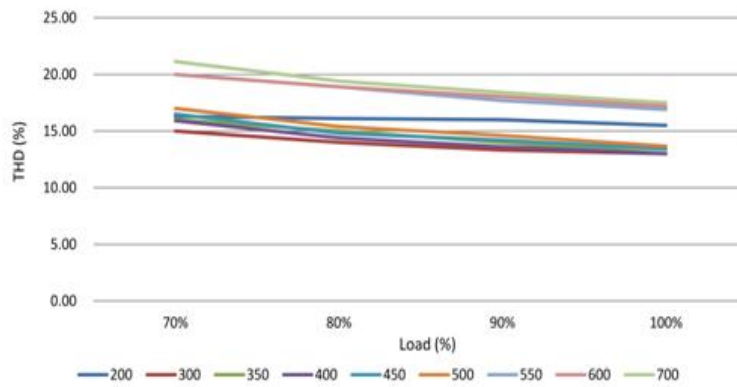


Efficiency vs Load

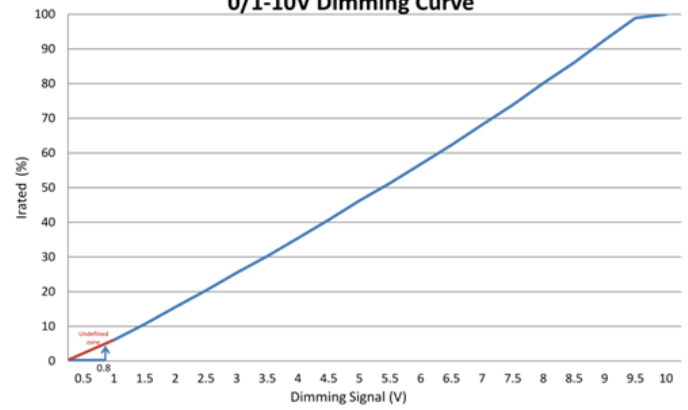


100 % load corresponds to the max output power.

THD vs Load



0/1-10V Dimming Curve

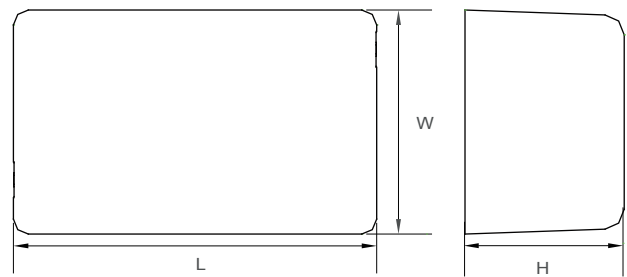


When dimming under 1V, the output current won't be defined.

Physical

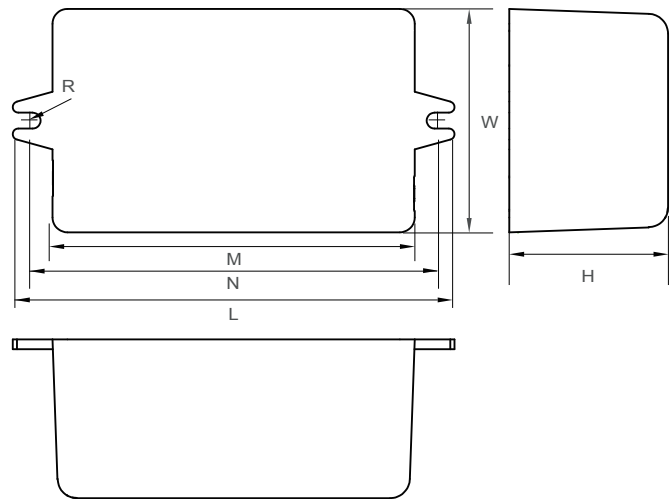
Parameter

Clear type



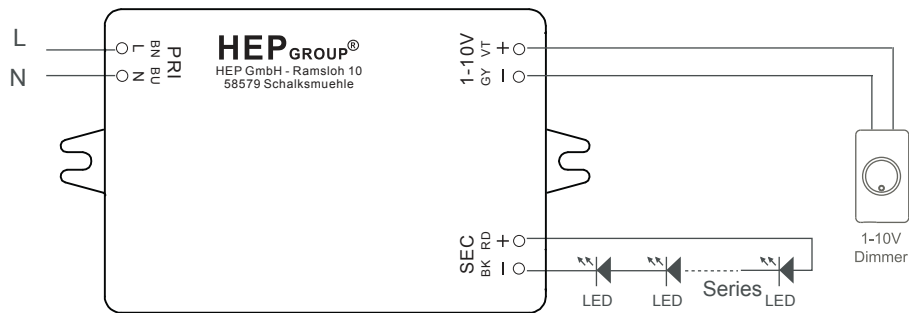
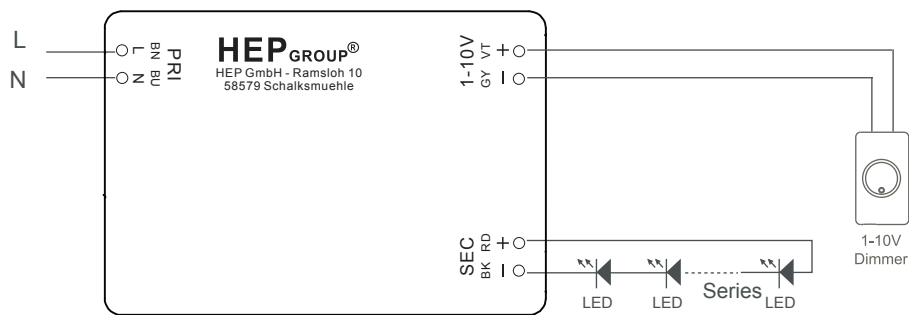
L : 73 mm H : 25 mm
W : 45 mm
Tolerance : +/-1 mm
Housing Material : Polycarbonate / Potting
Soldering : Lead-Free, Comply With RoHS
Label : Surface Print

Screw clip type



L : 88 mm N : 80.3 mm H : 25 mm
M : 73 mm W : 45 mm R : 1.6 mm
Tolerance : +/-1 mm , R : +/-0.5 mm
Housing Material : Polycarbonate / Potting
Soldering : Lead-Free, Comply With RoHS
Label : Surface Print

Wiring Diagram



Remark :
Before switching on the supply voltage all LEDs must be completely wired and connected,
and be sure all wire connection complying with instruction of wiring diagram.