

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		
LNTC30W550LRP	140mA	
LNTC30W400/800LRP	145mA	
LNTC30W600LRP	150mA	
LNTC30W900LRP	160mA	
LNTC30W450LRP	165mA	
LNTC30W700LRP	175mA	
LNTC30W500/1000LRP	180mA	
Total Harmonic Distortion (THD)	< 20%	Full load @230VAC
Power factor	0.94C-0.97	Full load @230VAC
Displacement factor	0.94C-0.97	Full load @230VAC
Efficiency	85% (Typ.)	Full load @230VAC
No-load power	NA	
Stand-by power	NA	
Protection class	NA	
Inrush current	12 A / 40 μs	
Max.units per circuit breaker	Type B , 10A MCB	22
	Type B , 16A MCB	36
	Type C , 10A MCB	28
	Type C , 16A MCB	44
Earth leakage current	NA	
Nominal voltage range		
LNTC30W400/450/500LRP	36-60Vdc	
LNTC30W550/600/700LRP	25-42Vdc	
LNTC30W800/900/1000LRP	18-30Vdc	
Maximum voltage		
LNTC30W400/450/500LRP	70Vdc	

	Item	Value	Remark
	LNTC30W550/600/700LRP	50Vdc	
	LNTC30W800/900/1000LRP	38Vdc	
	Nominal current range		
	LNTC30W400LRP	400mA	
	LNTC30W450LRP	450mA	
	LNTC30W500LRP	500mA	
	LNTC30W550LRP	550mA	
	LNTC30W600LRP	600mA	
	LNTC30W700LRP	700mA	
	LNTC30W800LRP	800mA	
	LNTC30W900LRP	900mA	
	LNTC30W1000LRP	1000mA	
	Current accuracy		Full load @230VAC
Output	LNTC30W400LRP	± 6%	
	LNTC30W450/500/550/600LRP	± 5%	
	LNTC30W700/800/900/1000LRP	± 5%	
	Typical output LF current ripple	± 5%	Low Frequency<120Hz Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
	SVM	≤ 0.4	Full load @230VAC
	PstLM	≤ 1	Full load @230VAC
	Nominal power range		
	LNTC30W400LRP	14.4-24W	
	LNTC30W450LRP	16.2-27W	
	LNTC30W500LRP	18-30W	
	LNTC30W550LRP	13.8-23.1W	
	LNTC30W600LRP	15-25.2W	
	LNTC30W700LRP	17.5-29.4W	
	LNTC30W800LRP	14.4-24W	
	LNTC30W900LRP	16.2-27W	
	LNTC30W1000LRP	18-30W	
	Maximum power	30W	
Dimming	Dimming control	Trailing Edge	
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Dimming range	10-100%	
	Lowest dimming current	NA	
	Galvanic isolation	NA	
Environment	Ambient temperature range t_a	-20°C - +50°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	-25°C - +85°C	
	Relative humidity	10% - 85%	
	Surge transient protection	1 kV	L/N
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	
	Expected lifetime	Full load	> 50,000 h, t_c 80 °C @ t_a 50 °C

Packing	Gross weight/Carton	11.2 kg
	Net weight/Carton	10.3 kg
	Pcs/Carton	64 PCS
	Dimension/Carton	415(L)*255(W)*240(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
CCC standard:	GB17625.1,GB/T17743,GB19510.1,GB19510.14
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	135mm	135mm
Stripping	6mm	6mm
Tolerance	±5mm	±5mm

Sec Connection	+	-
Color	Red	Black
Wire type	1332	1332
Wire diameter	AWG22	AWG22
Wire length	135mm	135mm
Strip length	6mm	6mm
Tolerance	±5mm	±5mm

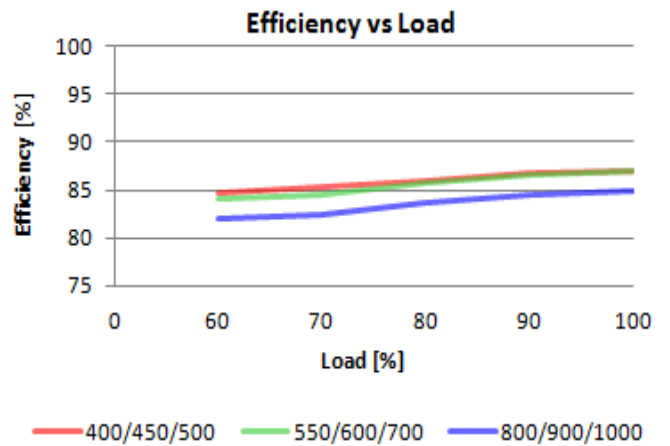
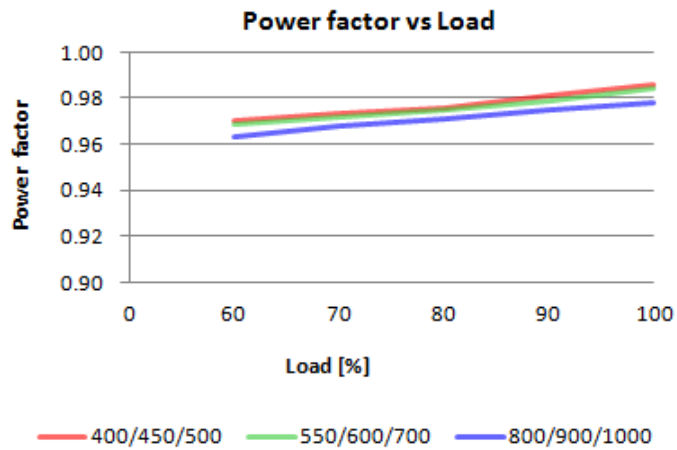
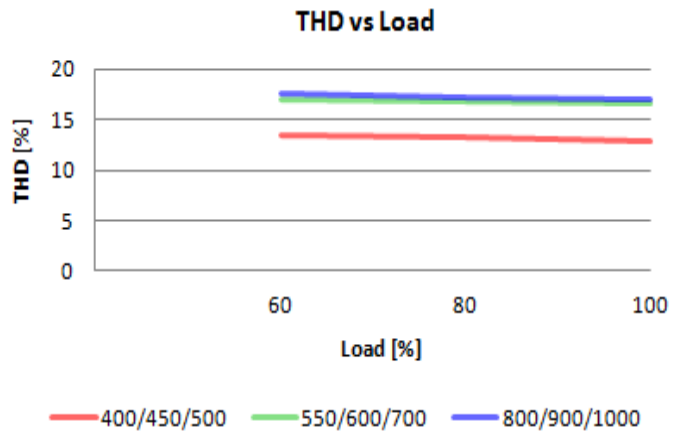
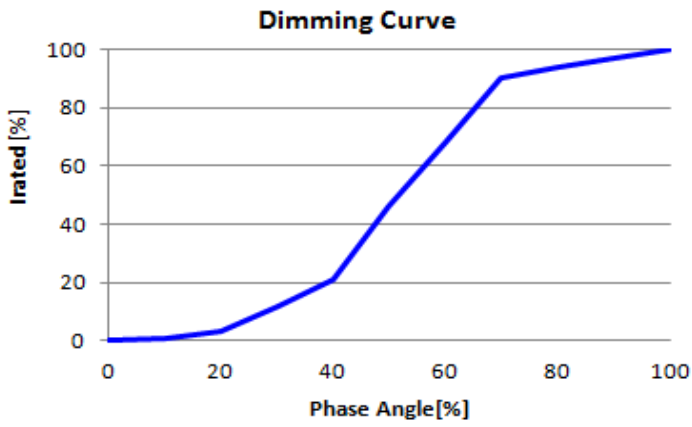
* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

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

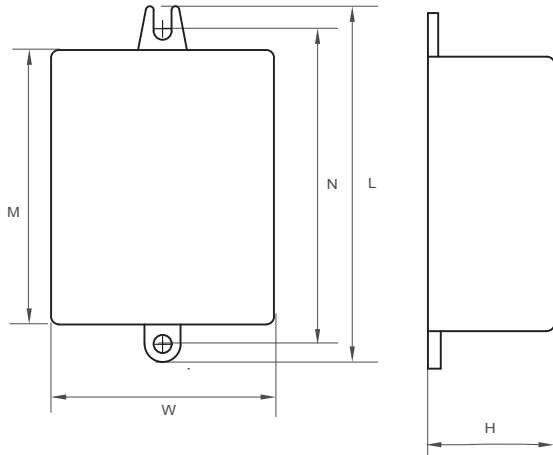
Trailing Edge Dimmer list approved by HEP

Manufacturer	Model	Q'ty of parallel connection	Min.load(W)
CLIPSAL	32E450TM	10	10W
Schneider	SBD315RC	10	20W
Busch	6513U-102	10	40W
Busch	6519U	10	40W
ETMAN	321P	10	25W
AcTEC	D350	10	10W
Busch	6523 UR-103	7	2W
Busch	6523 U-102	7	2W
Niko	310-0190X	4	5w
JUNG	LB-Management	7	20W
Merten	SBD200LED(MEG5134-0000)	6	4W
CASAMBI	CBU-TED	2	1W

Electrical Values



Physical Parameter



L : 78.3 mm W: 43.5 mm
M : 63 mm H : 26 mm
N : 71 mm

Tolerance : +/-1 mm , R : +/-0.5 mm

Housing Material : Polycarbonate
Soldering : Lead-Free, Comply With RoHS
Label : Surface Print

Wiring Diagram

