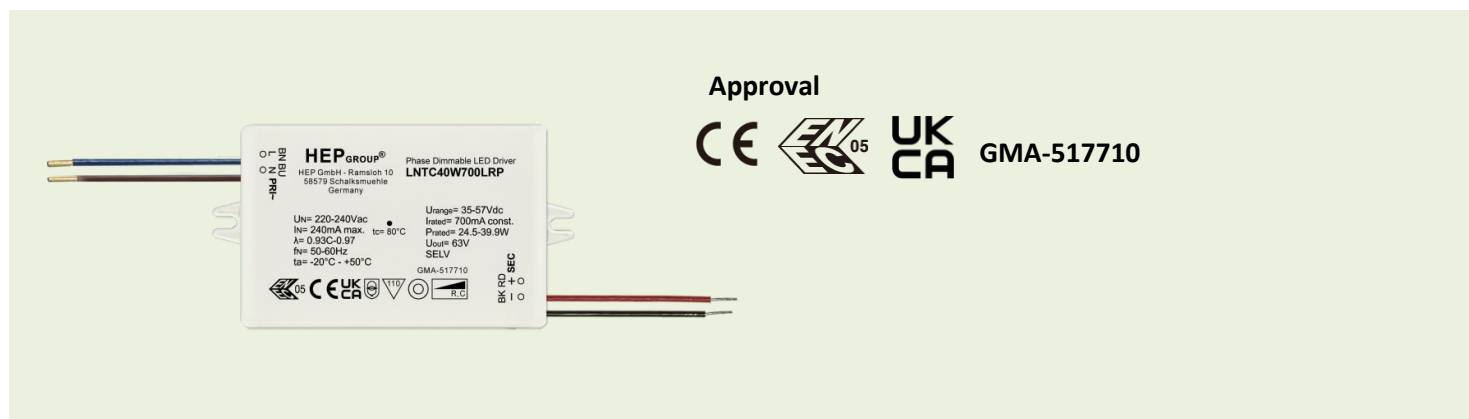




Item		Value	Remark
Input	Nominal voltage	220–240V	
	Nominal frequency	50–60Hz	
	AC voltage range	198–264V	
	DC voltage range (start)	NA	
	DC voltage range (operation)	NA	
	Nominal current		
	LNTC40W500LRP	170mA	
	LNTC40W600LRP	205mA	
	LNTC40W800/1000LRP	215mA	
	LNTC40W850LRP	225mA	
	LNTC40W700/900/1050LRP	240mA	
	Total Harmonic Distortion (THD)	< 25%	Full load @230VAC
	Power factor	0.93C-0.97	Min-load @240Vac and Full-load @220 Vac
	Displacement factor	0.93C-0.97	Min-load @240Vac and Full-load @220 Vac
	Efficiency	85% (Typ.)	Full load @230VAC
	No-load power	NA	
	Stand-by power	NA	
	Protection class	NA	
	Inrush current	12 A / 45 μs	
Max.units per circuit breaker	Type B , 10A MCB	17	
	Type B , 16A MCB	27	
	Type C , 10A MCB	21	
	Type C , 16A MCB	33	
	Earth leakage current	NA	
Output	Nominal voltage range		
	LNTC40W500/600/700LRP	35-57Vdc	
	LNTC40W800/850/900LRP	26-44Vdc	
	LNTC40W950/1000/1050LRP	22-38Vdc	
	Maximum voltage		
	LNTC40W500/600/700LRP	63Vdc	
	LNTC40W800/850/900LRP	50Vdc	
	LNTC40W950/1000/1050LRP	45Vdc	

	Item	Value	Remark
Output	Nominal current range		
	LNTC40W500LRP	500mA	
	LNTC40W600LRP	600mA	
	LNTC40W700LRP	700mA	
	LNTC40W800LRP	800mA	
	LNTC40W850LRP	850mA	
	LNTC40W900LRP	900mA	
	LNTC40W950LRP	950mA	
	LNTC40W1000LRP	1000mA	
	LNTC40W1050LRP	1050mA	
	Current accuracy	± 5%	Full load @230VAC
	Typical output LF current ripple	± 5%	Low Frequency<120Hz Full load @230VAC
	SVM	≤ 0.4	Full load @230VAC
	PstLM	≤ 1	Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
	Nominal power range		
	LNTC40W500LRP	17.5-28.5W	
	LNTC40W600LRP	21.0-34.2W	
	LNTC40W700LRP	24.5-39.9W	
	LNTC40W800LRP	20.8-35.2W	
	LNTC40W850LRP	22.1-37.4W	
	LNTC40W900LRP	23.4-39.6W	
	LNTC40W950LRP	20.9-36.1W	
	LNTC40W1000LRP	22.0-38.0W	
	LNTC40W1050LRP	23.1-39.9W	
	Maximum power	40W	
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		
	LNTC40W500/600/700LRP	80°C	
	LNTC40W800/850/900LRP	85°C	
	LNTC40W950/1000/1050LRP	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	-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	

Environment	Item		Value		Remark
	Expected lifetime				
	LNTC40W500/600/700LRP	Full load	> 50,000 h, tc 80 °C @ ta 50 °C		0.2 % / 1,000 h failure rate
	LNTC40W800/850/900LRP LNTC40W950/1000/1050LRP	Full load	> 50,000 h, tc 85 °C @ ta 50 °C		0.2 % / 1,000 h failure rate
Packing	Gross weight/Carton		12.6 kg		
	Net weight/Carton		11.5 kg		
	Pcs/Carton		56 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	135mm	135mm		
	Stripping	6mm	6mm		
	Tolerance	±5mm	±5mm		
Sec	Connection	+	-		
	Color	Red	Black		
	Wire type	3385	3385		
	Wire diameter	AWG22	AWG22		
	Wire length	134mm	134mm		
	Strip length	6mm	6mm		
	Tolerance	±5mm	±5mm		

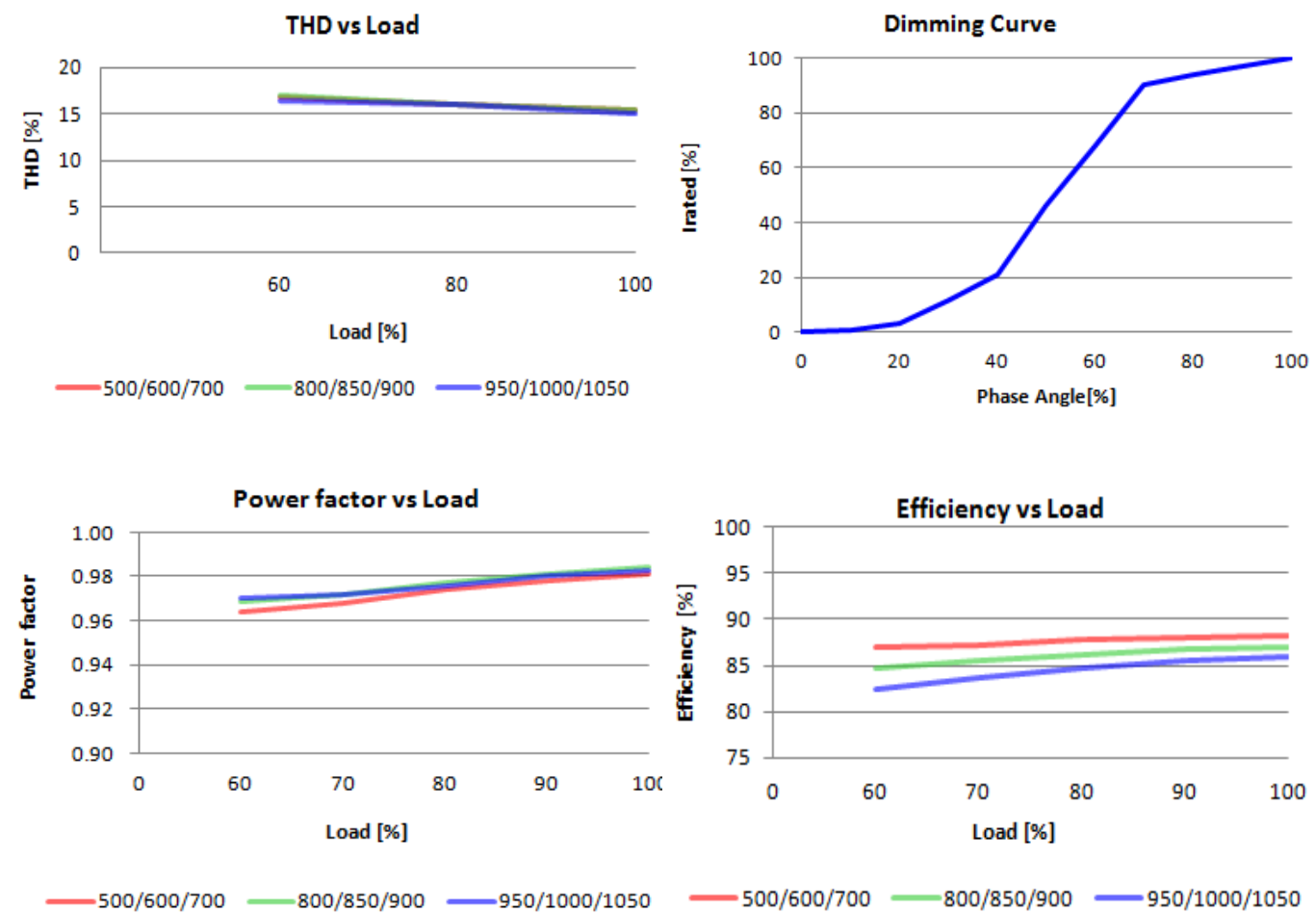
* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

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

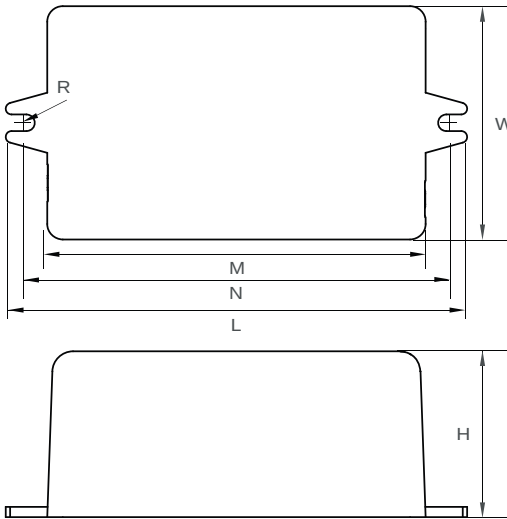
Trailing Edge Dimmer list approved by HEP

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	2	2W
Niko	310-0190X	7	5w
JUNG	LB-Management	7	20W
Merten	SBD200LED(MEG5134-0000)	7	4W
Casambi	CBU-TED	2	1W

Electrical Values



Physical
Parameter



L : 96 mm N : 88.2 mm H : 32 mm
M : 80 mm W : 55 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

