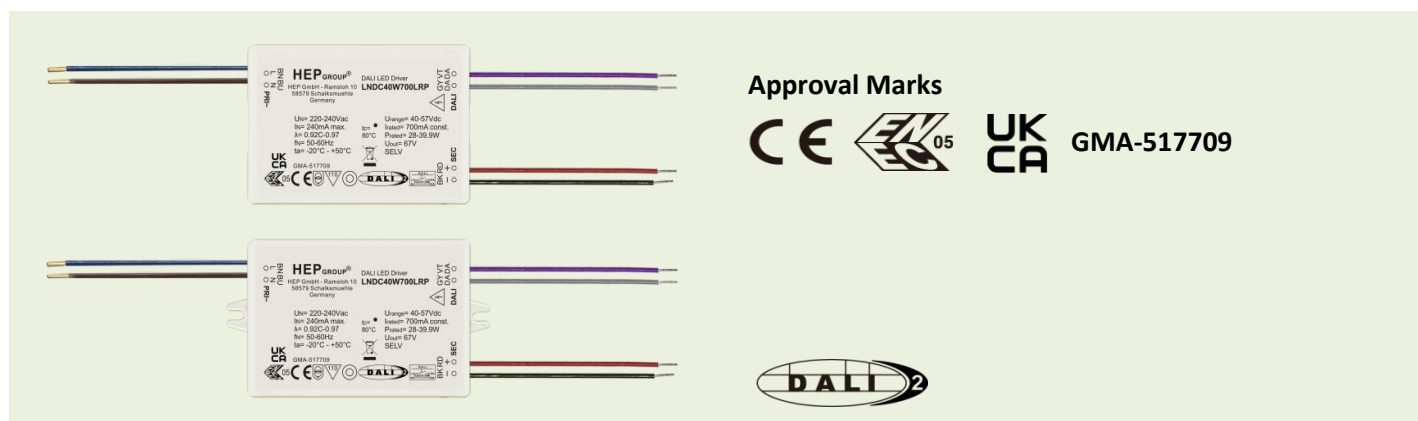




Item		Value	Remark
Input	Nominal voltage	220–240V	
	Nominal frequency	50–60Hz	
	AC voltage range	198–264V	
	DC voltage range (start)	NA	
	DC voltage range (operation)	NA	
	Nominal current		
	LNDC40W500LRP	170mA	
	LNDC40W600LRP	205mA	
	LNDC40W700LRP	240mA	
	LNDC40W800LRP	210mA	
	LNDC40W850LRP	225mA	
	LNDC40W900LRP	240mA	
	LNDC40W950LRP	215mA	
	LNDC40W1000LRP	230mA	
	LNDC40W1050LRP	240mA	
	Total Harmonic Distortion (THD)	< 25%	Full load @230VAC
	Power factor		Full load @230VAC
	LNDC40W500/600LRP	0.87C-0.95	
	LNDC40W700LRP	0.92C-0.97	
	LNDC40W800/950LRP	0.89C-0.95	
	LNDC40W850LRP	0.9C-0.96	
	LNDC40W900LRP	0.94C-0.97	
	LNDC40W1000LRP	0.91C-0.96	
	LNDC40W1050LRP	0.93C-0.96	
	Displacement factor		Full load @230VAC
	LNDC40W500/600LRP	0.87C-0.95	
	LNDC40W700LRP	0.92C-0.97	
	LNDC40W800/950LRP	0.89C-0.95	
	LNDC40W850LRP	0.9C-0.96	
	LNDC40W900LRP	0.94C-0.97	
	LNDC40W1000LRP	0.91C-0.96	
	LNDC40W1050LRP	0.93C-0.96	
	Efficiency	85% (Typ.)	Full load @230VAC

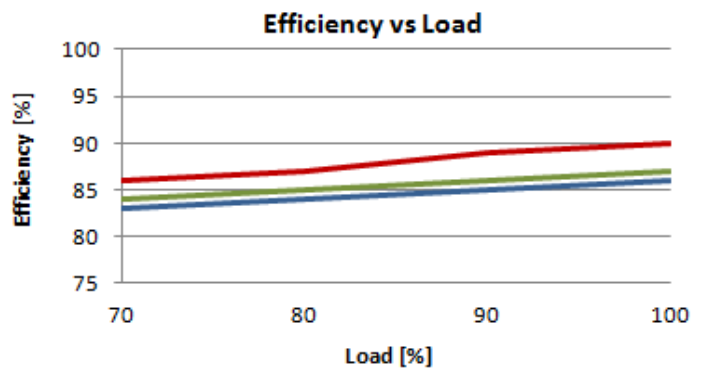
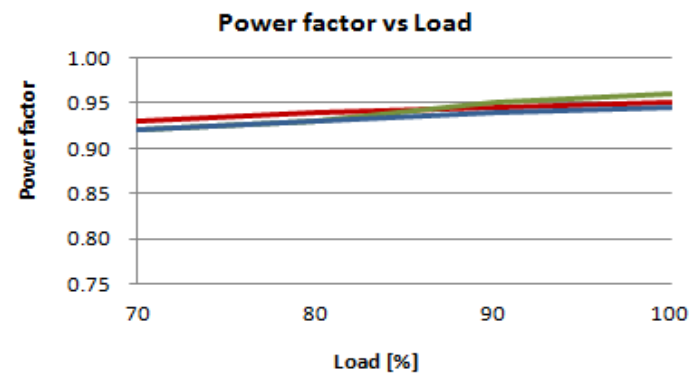
Item		Value	Remark
Input	No-load power	NA	
	Stand-by power	<0.5W	
	Protection class	NA	
	Inrush current	5.5 A / 35 μ s	
		Type B , 10A MCB	17
		Type B , 16A MCB	27
	Max.units per circuit breaker	Type C , 10A MCB	21
		Type C , 16A MCB	33
Touch current		< 0.7mA peak	IEC/EN 61347-1
Nominal voltage range			
	LNDC40W500/600/700LRP	40-57Vdc	
	LNDC40W800/850/900LRP	30-44Vdc	
	LNDC40W950/1000/1050LRP	27-38Vdc	
Maximum voltage			
	LNDC40W500/600/700LRP	67Vdc	
	LNDC40W800/850/900LRP	55Vdc	
	LNDC40W950/1000/1050LRP	50Vdc	
Output	Nominal current range		
	LNDC40W500LRP	500mA	
	LNDC40W600LRP	600mA	
	LNDC40W700LRP	700mA	
	LNDC40W800LRP	800mA	
	LNDC40W850LRP	850mA	
	LNDC40W900LRP	900mA	
	LNDC40W950LRP	950mA	
	LNDC40W1000LRP	1000mA	
	LNDC40W1050LRP	1050mA	
	Current accuracy	$\pm 5\%$	
	Typical output LF current ripple	$\pm 5\%$	Low Frequency< 120Hz Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
	Nominal power range		
	LNDC40W500LRP	20.0-28.5W	
	LNDC40W600LRP	24.0-34.2W	
	LNDC40W700LRP	28.0-39.9W	
	LNDC40W800LRP	24.0-35.2W	
	LNDC40W850LRP	25.5-37.4W	
	LNDC40W900LRP	27.0-39.6W	
	LNDC40W950LRP	25.7-36.1W	
	LNDC40W1000LRP	27.0-38.0W	
	LNDC40W1050LRP	28.4-39.9W	
Maximum power		40W	
Dimming	Dimming control	DALI/Touch Dim	
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Dimming range	5-100%	
	Lowest dimming current	3-5%	
	Galvanic isolation	Basic insulated to PRI and double insulated to SEC	

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	-40°C - +85°C	
	Relative humidity	10% - 95%	
	Surge transient protection	1 kV , 2KV	L/N , L-PE/N-PE
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	
	Expected lifetime	> 50,000 h, t _c 80 °C @ t _a 50 °C > 100000 h, t _c 70 °C @ t _a 40 °C	0.2 % / 1,000 h failure rate 0.1 % / 1,000 h failure rate
Packing	Gross weight/Carton	12.9 kg	
	Net weight/Carton	11.9 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	
SAA standard:		AS/NZS 61347.1, AS/NZS IEC 61347.2.13	
CCC standard:		GB17625.1,GB/T17743,GB19510.1,GB19510.14	
EMC standard:		EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547:2023	
DALI protocol standard:		EN 62386-101, EN 62386-102, EN 62386-207	
Cable information			
PRI	Connection	L	N
	Color	Brown	Blue
	Wire type	7022	7022
	Wire diameter	AWG18	AWG18
	Wire length	128mm	128mm
	Stripping	6mm	6mm
	Tolerance	±5mm	±5mm
Sec	Connection	+	-
	Color	Red	Black
	Wire type	3385	3385
	Wire diameter	AWG20	AWG20
	Wire length	149mm	149mm
	Stripping	10mm	10mm
	Tolerance	±5mm	±5mm
DALI/Touch Dim	Connection	DA	DA
	Color	Purple	Gray
	Wire type	7022	7022
	Wire diameter	AWG20	AWG20
	Wire length	135mm	135mm
	Stripping	10mm	10mm
	Tolerance	±5mm	±5mm

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

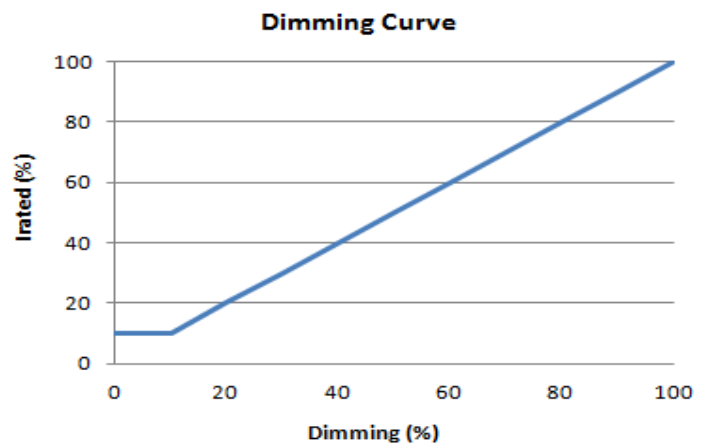
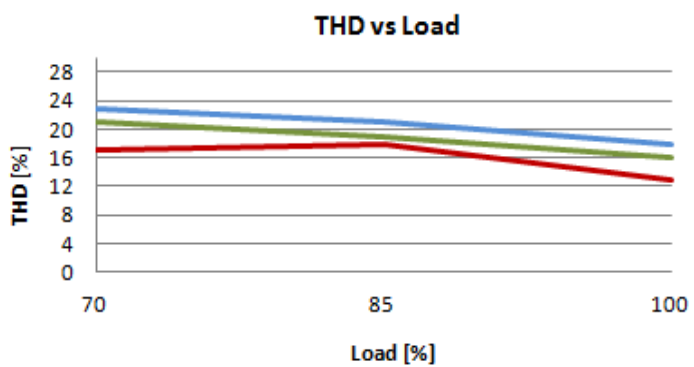
* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

Electrical Values



500/600/700 800/850/900 950/1000/1050

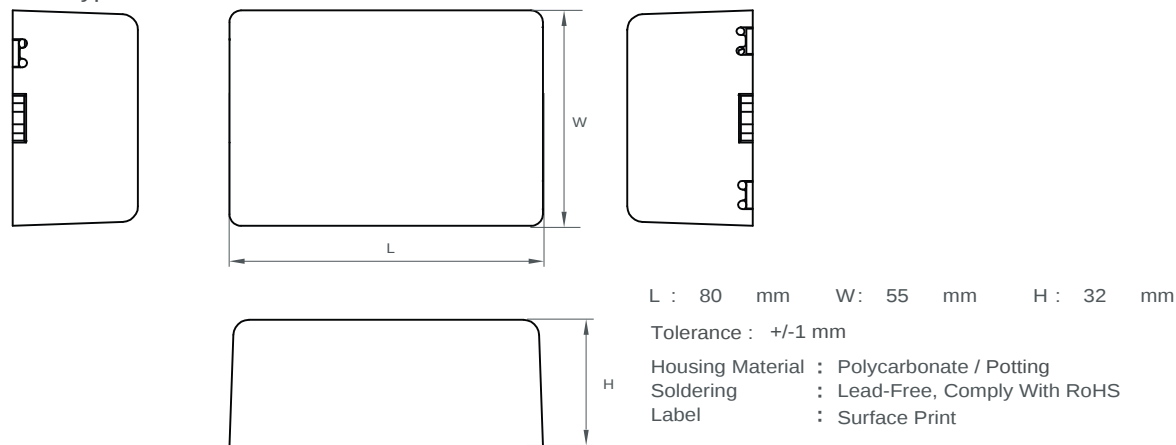
500/600/700 800/850/900 950/1000/1050



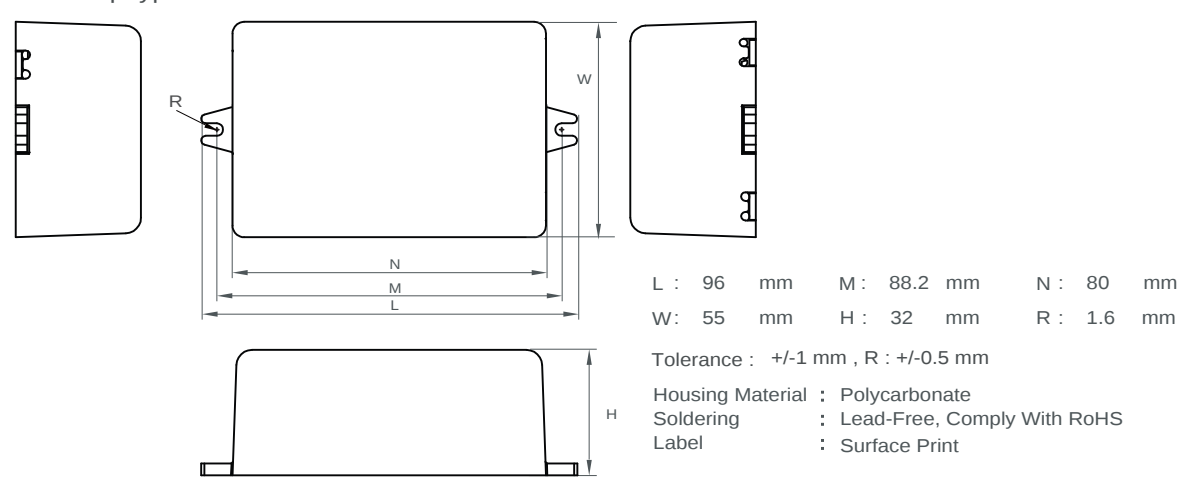
500/600/700 800/850/900 950/1000/1050

Physical
Parameter

Clear type



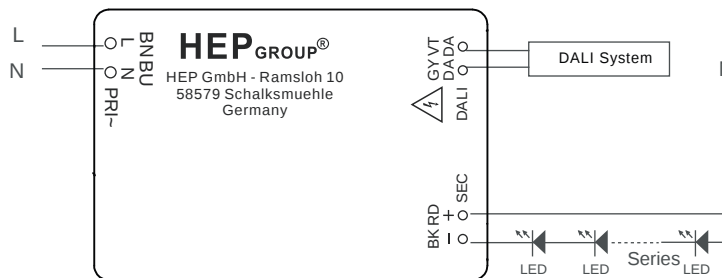
Screw clip type



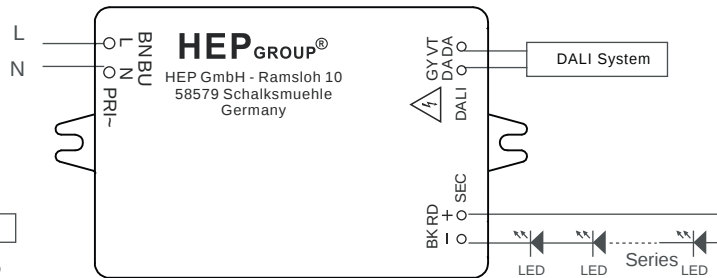
Wiring Diagram

DALI system

Clear type

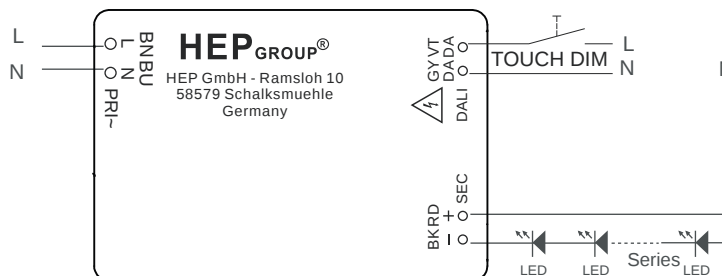


Screw clip type

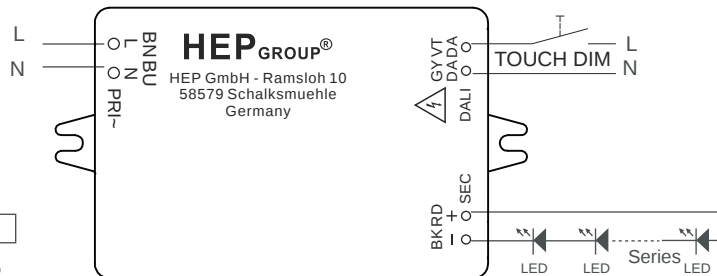


TOUCH DIM

Clear type



Screw clip type



* Touch Dim

Short push (<0.6sec.)

Push to turn ON-OFF

Long push (>0.6sec.)

Dimming up or down

Synchronization of Touch DIM

If a large number of driver with Touch Dim is operated in a system

there is a chance that an driver will operate out of synchronization with the others(= different dimming level setting or different switching state).

Synchronism can be restored as follows:

- 1.Step: Long push all the lamps are switched on
- 2.Step: Short push all the lamps are switched off
- 3.Step: Long push all the lamps are switched on the minimum dimming setting of the drivers and continuously fade up to the desired dimming level, then release push bottom.

Max. lead length : 20 M

Max. parallel units : 15 pcs