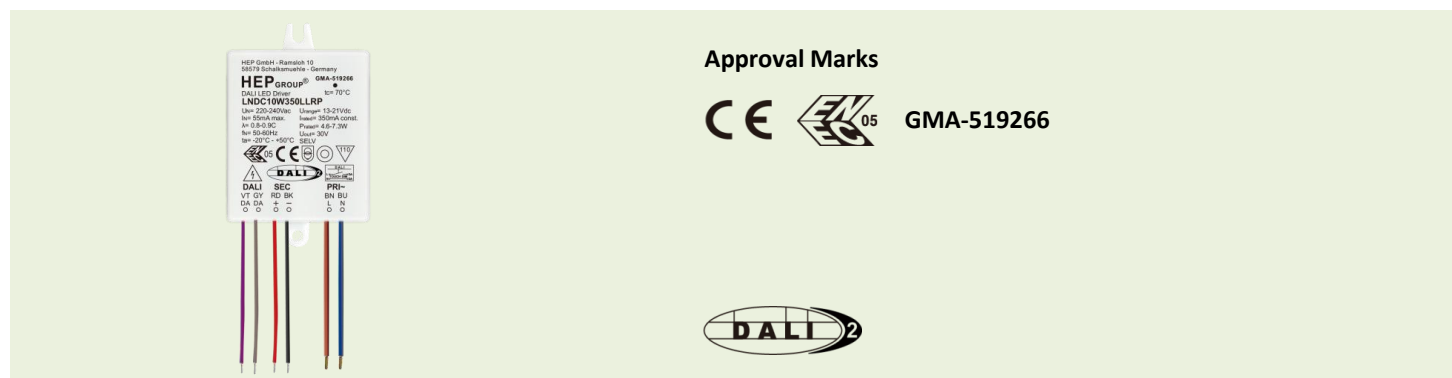




Item		Value	Remark
Nominal voltage		220–240V	
Nominal frequency		50–60Hz	
AC voltage range		198–264V	
DC voltage range (start)		NA	
DC voltage range (operation)		NA	
Nominal current			Full load @230VAC
Input	LNDC10W150HLRP	40mA	
	LNDC10W200HLRP	50mA	
	LNDC10W250HLRP	60mA	
	LNDC10W350LLRP	55mA	
	Total Harmonic Distortion (THD)	< 25%	Full load @230VAC
	Power factor		Min-load @ 240Vac and Full-load @ 220 Vac
	LNDC10W150HLRP	0.85-0.87C	
	LNDC10W200HLRP	0.8-0.85C	
	LNDC10W250HLRP	0.85-0.9C	
	LNDC10W350LLRP	0.8-0.9C	
	Displacement factor		Min-load @ 240Vac and Full-load @ 220 Vac
	LNDC10W150HLRP	0.85-0.87C	
	LNDC10W200HLRP	0.8-0.85C	
	LNDC10W250HLRP	0.85-0.9C	
	LNDC10W350LLRP	0.8-0.9C	
	Efficiency	78% (Typ.)	Full load @230VAC
	No-load power	NA	
	Stand-by power	<0.5W	
	Networked standby power	<0.5W	
	Protection class	NA	
	Inrush current	4A / 25 us	
Max.units per circuit breaker		Type B , 10A MCB	67
		Type B , 16A MCB	107
		Type C , 10A MCB	83
		Type C , 16A MCB	133
Touch current		< 0.7mA peak	IEC/EN 61347-1
Output	Nominal voltage range		
	LNDC10W150/200HLRP	30-42Vdc	
	LNDC10W250HLRP	28-40Vdc	
	LNDC10W350LLRP	13-21Vdc	
	Maximum voltage		
	LNDC10W150/200/250HLRP	50Vdc	
		LNDC10W350LLRP	30Vdc

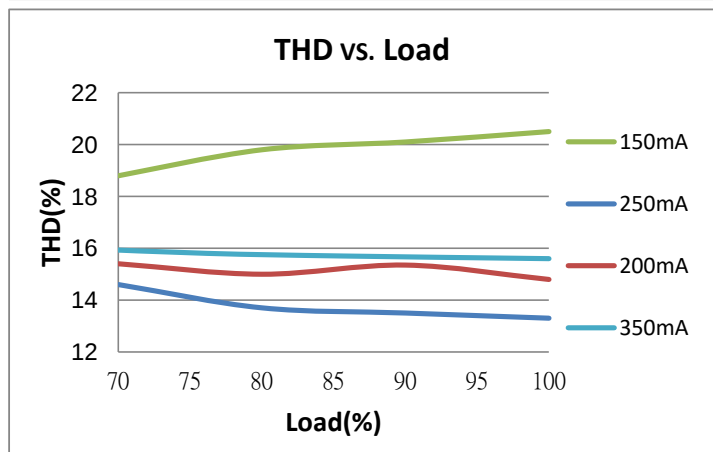
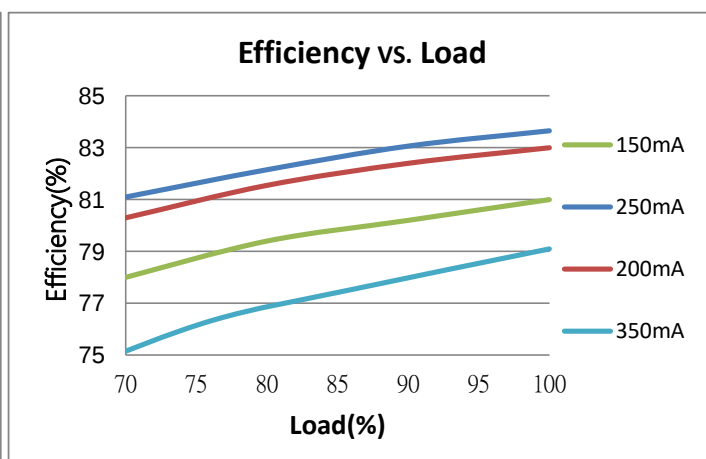
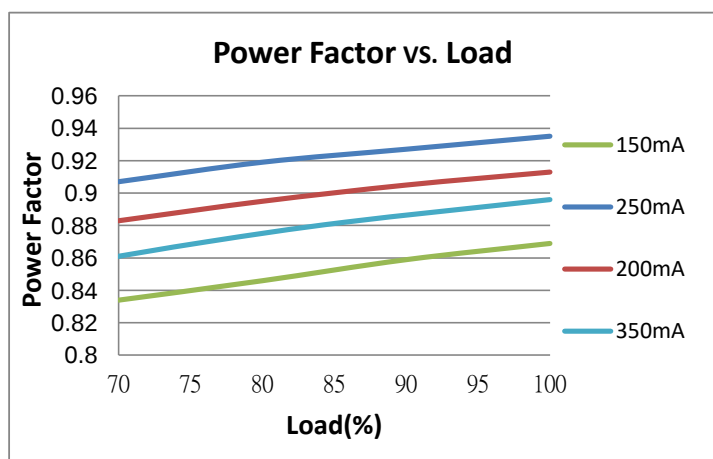
	Item	Value	Remark
Output	Nominal current range		
	LNDC10W150HLRP	150mA	
	LNDC10W200HLRP	200mA	
	LNDC10W250HLRP	250mA	
	LNDC10W350LLRP	350mA	
	Current accuracy		Full load @230VAC
	LNDC10W150/200HLRP	± 8%	
	LNDC10W250/300HLRP	± 5%	
	Typical output LF current ripple	± 6%	Low Frequency< 120Hz Full load @230VAC
	SVM	≤0.4	Full load @230VAC
	PstLM	≤1	Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
	Nominal power range		
	LNDC10W150HLRP	4.5-6.3W	
	LNDC10W200HLRP	6.0-8.4W	
Dimming	LNDC10W250HLRP	7.0-10.0W	
	LNDC10W350LLRP	4.6-7.3W	
	Maximum power	10W	
	Dimming control	DALI / Touch Dim	
	Dimming technique	Amplitude	
Environment	PWM frequency	NA	
	Dimming range	5-100%	
	Lowest dimming current	1-8%	
	Galvanic isolation	Basic insulated to PRI and double insulated to SEC	
	Ambient temperature range t _a	-20°C - +50°C	
	Maximum case temperature t _c		
	LNDC10W150/200/250HLRP	75°C	
	LNDC10W300HLRP	70°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	
Packing	Mains switching cycles	> 100,000	
	Expected lifetime		
	LNDC10W150/200/250HLRP		
	Full load	> 50,000 h, tc 75°C @ ta 50°C	0.2 % / 1,000 h failure rate
	Output load ≤ 75% Load	> 50,000 h tc 75°C @ ta 60°C	0.2 % / 1,000 h failure rate
	LNDC10W350LLRP		
	Full load	> 50,000 h, tc 70°C @ ta 50°C	0.2 % / 1,000 h failure rate
	Output load ≤ 75% Load	> 50,000 h, tc 70°C @ ta 60°C	0.2 % / 1,000 h failure rate
	Gross weight/Carton	11.4 kg	
	Net weight/Carton	10.3 kg	
Protections	Pcs/Carton	108 PCS	
	Dimension/Carton	490(L)*270(W)*225(H)mm	
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	
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	138mm	141mm
Stripping	6mm	6mm
tolerance	±5mm	±5mm
Sec Connection	+	-
Color	Red	Black
Wire type	3385	3385
Wire diameter	AWG22	AWG22
Wire length	140mm	141mm
Strip length	6mm	6mm
tolerance	±5mm	±5mm
DALI/Touch Dim		
Color	Purple	Gray
Wire type	7022	7022
Wire diameter	AWG20	AWG20
Wire length	131mm	134mm
Stripping	10mm	10mm
tolerance	±5mm	±5mm

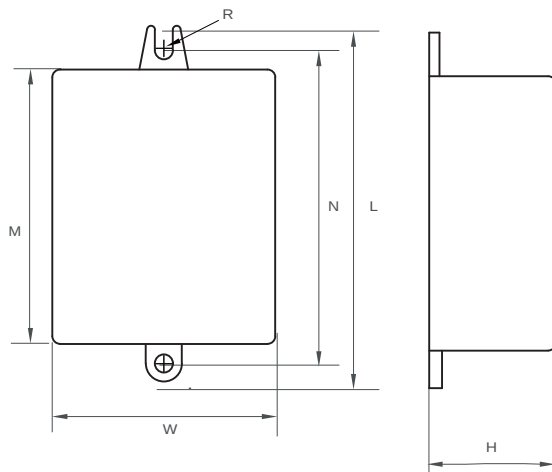
Subject to change without notice, HEP guarantees all products perform functionally well

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

Electrical Values



Physical Parameter

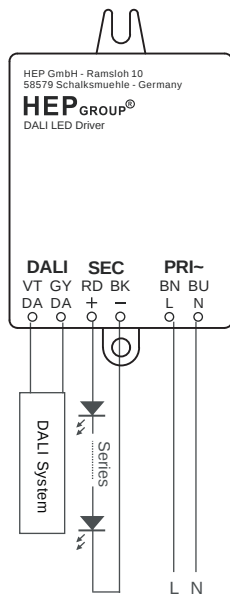


L : 69.3 mm W: 43.5 mm
M : 53.5 mm H : 24.6 mm
N : 61 mm R : 1.75 mm
Tolerance : +/-1 mm , R : +/-0.5 mm

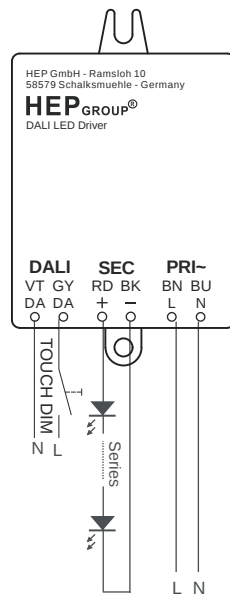
Housing Material : Polycarbonate
Soldering : Lead-Free, Comply With RoHS
Label : Surface Print

Wiring Diagram

DALI



TOUCH DIM



* 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