

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		
LNDC30W400LRP	130mA	
LNDC30W450LRP	145mA	
LNDC30W500LRP	160mA	
LNDC30W550LRP	140mA	
LNDC30W600LRP	150mA	
LNDC30W700LRP	175mA	
LNDC30W800LRP	145mA	
LNDC30W900LRP	160mA	
LNDC30W1000LRP	180mA	
Total Harmonic Distortion (THD)	< 25%	Full load @230VAC
Power factor	0.9C	Full load @230VAC
Efficiency	85%(Typ.)	Full load @230VAC
No-load power	NA	
Stand-by power	<0.5W	
Protection class	NA	
Inrush current	30 A / 2 μs	
Earth leakage current	NA	
Nominal voltage range		
LNDC30W400/450/500LRP	36-54Vdc	
LNDC30W550/600/700LRP	30-42Vdc	
LNDC30W800/900/1000LRP	21-30Vdc	
Maximum voltage		
LNDC30W400/450/500LRP	63Vdc	
LNDC30W550/600/700LRP	50Vdc	
LNDC30W800/900/1000LRP	38Vdc	

	Item	Value	Remark
	Nominal current range		
	LNDC30W400LRP	400mA	
	LNDC30W450LRP	450mA	
	LNDC30W500LRP	500mA	
	LNDC30W550LRP	550mA	
	LNDC30W600LRP	600mA	
	LNDC30W700LRP	700mA	
	LNDC30W800LRP	800mA	
	LNDC30W900LRP	900mA	
	LNDC30W1000LRP	1000mA	
Output	Current accuracy	± 5%	
	Typical output LF current ripple	± 5%	Low Frequency<120Hz
	Nominal power range		
	LNDC30W400LRP	14.4-21.6W	
	LNDC30W450LRP	16.2-24.3W	
	LNDC30W500LRP	18-27W	
	LNDC30W550LRP	16.5-23.1W	
	LNDC30W600LRP	18-25.2W	
	LNDC30W700LRP	21-29.4W	
	LNDC30W800LRP	16.8-24W	
	LNDC30W900LRP	18.9-27W	
	LNDC30W1000LRP	21-30W	
	Maximum power	30W	
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		
	LNDC30W400/450/500LRP	75°C	
	LNDC30W550/600/700LRP	80°C	
	LNDC30W800/900/1000LRP	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	L/N	
Environmental rating	Indoor		
IP rating	IP20		
Mains switching cycles	> 100,000		
Expected lifetime	> 50,000 h, t_c 75 °C @ t_a 50 °C > 50,000 h, t_c 80 °C @ t_a 50 °C 0.2 % / 1,000 h failure rate > 100000 h, t_c 65 °C @ t_a 40 °C > 100000 h, t_c 70 °C @ t_a 40 °C 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	Clear Type
		490(L)*270(W)*225(H)mm	Screw Clip Type

Protections

Short- & open circuit proof, Auto. overheat regulation or cut off, Overload protection

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
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

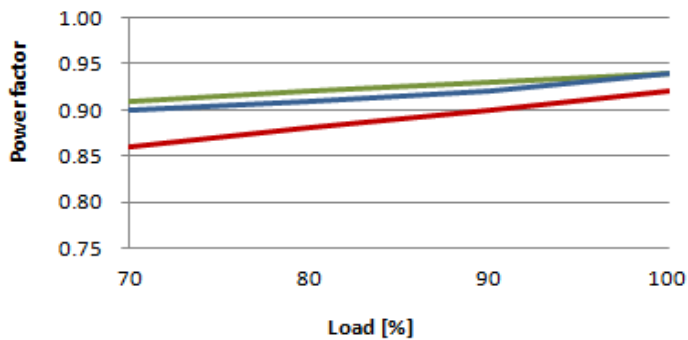
Cable information

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

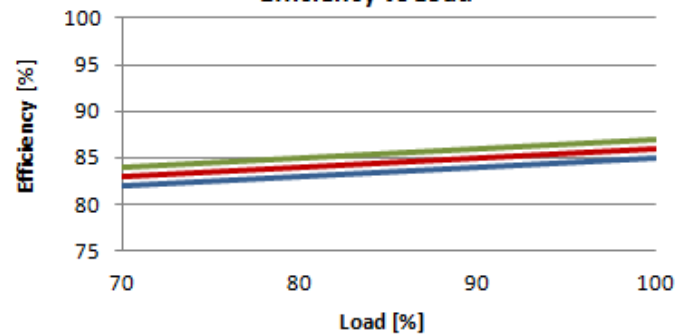
Sec Connection	+	-
Color	Red	Black
Wire type	1332	1332
Wire diameter	AWG20	AWG20
Wire length	149mm	149mm
Stripping	10mm	10mm

DALI/Touch Dim Connection	DA	DA
Color	Purple	Gray
Wire type	7022	7022
Wire diameter	AWG20	AWG20
Wire length	135mm	135mm
Stripping	10mm	10mm

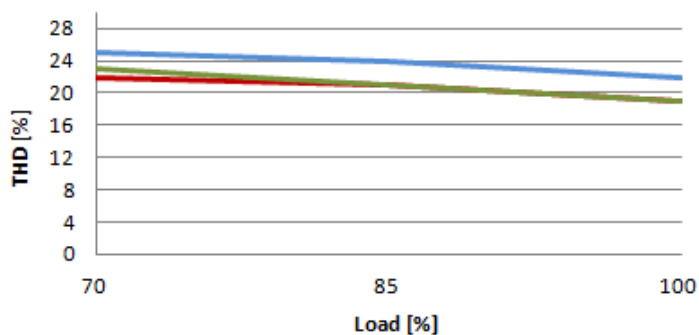
Power factor vs Load



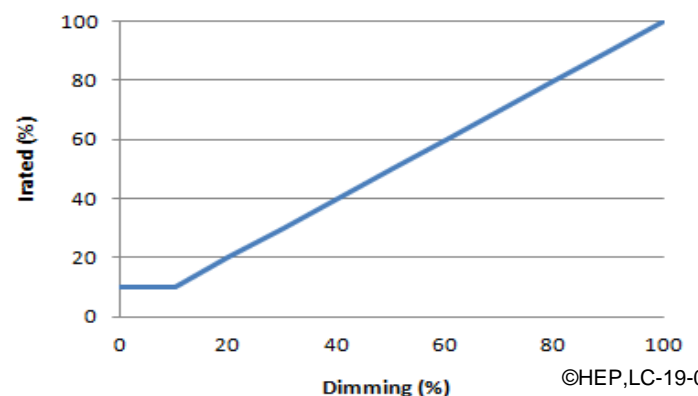
Efficiency vs Load



THD vs Load

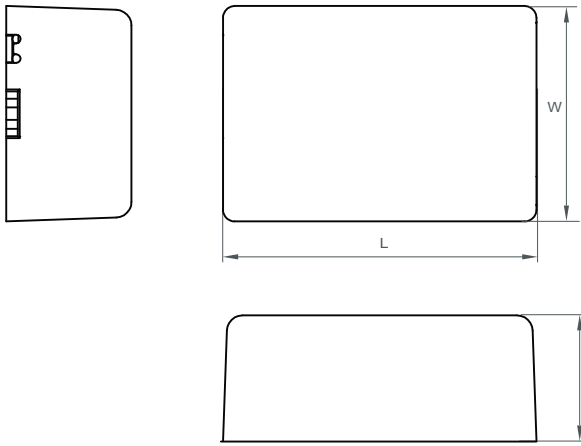


Dimming Curve



Physical
Parameter

Clear type

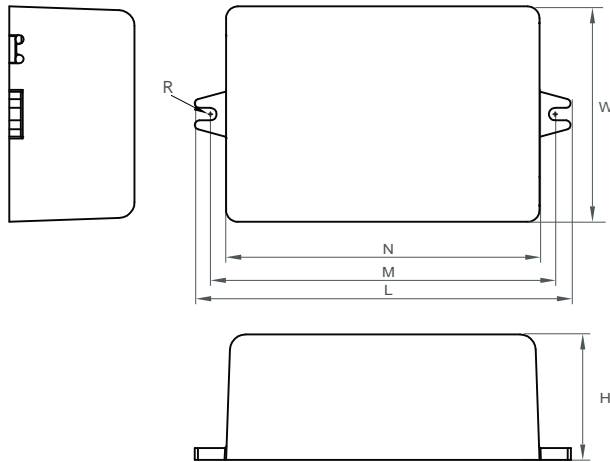


L : 80 mm W: 55 mm H: 32 mm

Tolerance : +/-1 mm

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

Screw clip type



L : 96 mm M: 88.2 mm N: 80 mm
W: 55 mm H: 32 mm R: 1.6 mm

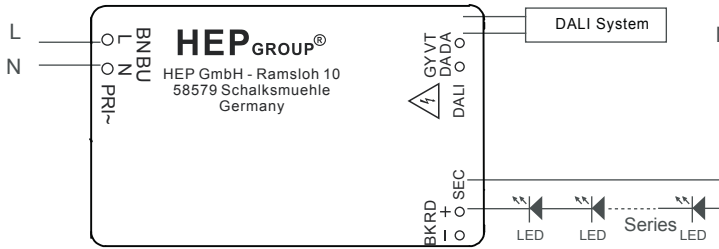
Tolerance : +/-1 mm , R : +/-0.5 mm

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

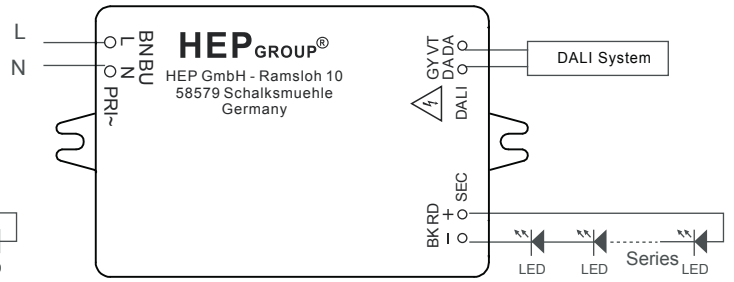
Wiring Diagram

DALI system

Clear type

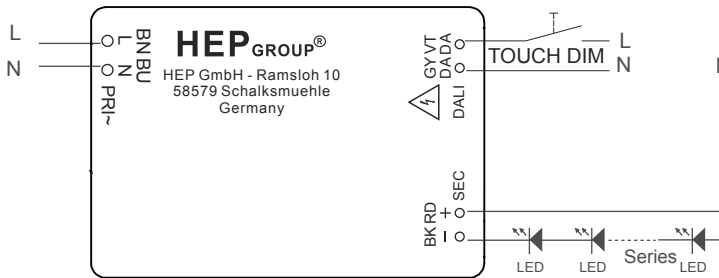


Screw clip type

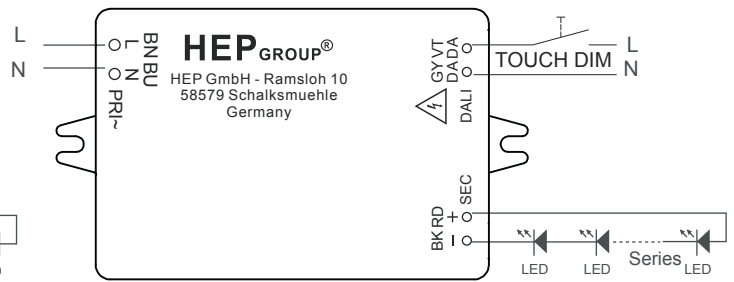


TOUCH DIM

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