

Approval



	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	140mA	
	Total Harmonic Distortion (THD)	< 10%	Full load @230VAC
	Power factor	0.9C	Full load @230VAC
	Displacement factor	0.9C	Full load @230VAC
	Efficiency	85%(Typ.)	Full load @230VAC
	No-load power	NA	
	Networked standby power	< 0.3W	
	Protection class	I	Suitable for class I and II luminaires
	Inrush current	35 A / 80 us	
	Earth leakage current	NA	
Output	Nominal voltage range		
	200mA	25-60 Vdc	
	250mA	20-60 Vdc	
	300mA	17-60 Vdc	
	350mA	14-60 Vdc	
	450mA	11-56 Vdc	
	500mA	10-50 Vdc	
	550mA	10-45 Vdc	
	600mA	10-42 Vdc	
	650mA	10-39 Vdc	
	700mA	10-36 Vdc	
	Maximum voltage	63 Vdc	
	Output channels	2	
	Nominal current range	200-700mA	
	Current accuracy	± 5%	Full load @ 230Vac
	Typical output LF current ripple	± 5%	Low Frequency< 120Hz Full load @230VAC
	Starting time	< 1 S	Full load @230VAC

	Item	Value	Remark
Output	Nominal power range	5-25W	
	Maximum power	26W	
	Color tuning range	2000-10000K	Adjusted via NFC program Factory default 2000-10000K
Dimming	Dimming control	DALI	Touch Dim
	Dimming range	1-100%	10-100%
	Lowest dimming current	0.5%-2%	7%-13%
	Dimming technique	Hybrid Dimming	O/P current ≥ 70 mA operated @ amplitude mode O/P current < 70 mA operated @ PWM mode
	PWM frequency	2KHz	
	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,2 kV	L/N , L-PE/N-PE
Environment		Item	Value
	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/box	5.6 kg
Net weight/box		4.6 kg	
Pcs/box		30PCS	
Dimension/box		385(L)*310(W)*230(H)mm	
Protections			
Short 、 Open circuit 、 Auto overheat regulation & Overload protection			
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/DT6 EN 62386-209/DT8	
Cable information			
PRI			
Cable cross-section		0.5-1.5□/AWG 18-16	
Stripping		9mm	
SEC			
Cable cross-section		0.5-1.5□/AWG 18-16	
Stripping		9mm	
DALI			
Cable cross-section		0.5-1.5□/AWG 18-16	
Stripping		9mm	

Terminal information

PRI-Push button/Angled Entry

SEC-Push button/Angled Entry

DALI-Push button/Angled Entry

* 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

Optional product accessories

WBDA :



Wiring diagram :



BR-4K :



**For optional model, please check out its data sheet for details of specification.

APP(HEPxIDEA)

Working via WBDA freely control lights to dim up or down, tune warm or cool color by just using a smart phone.

ICON



Main



QR Code

Android



iOS

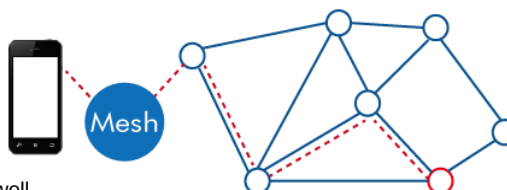


iOS Version :Android 5.0 Up, iOS 10.3 up 6.2

Features:

- 1.Mesh Network totally connecting up to 250 devices
- 2.All devices grouping to 16 groups maximumly
- 3.A group added in total of 30 devices
- 4.A device joined to 8 different groups overall
- 5.Timer preset 4 types of schedule onto individual device and groups as well
6. Maximum 5 scenes available to be determined

Mesh function:



Current adjustable

NFC Reader (optional)

Feature:

Easily on-line read a output current from a driver or write a new current data to a driver throughout HEP NFC reader within few seconds.



APP NFC

Feature:

Quickly check output current of a LED driver simply via Android smart phone, as well as, correct or setup a new current data immediately with no extra equipment at any job site.

ICON



Main



QR Code

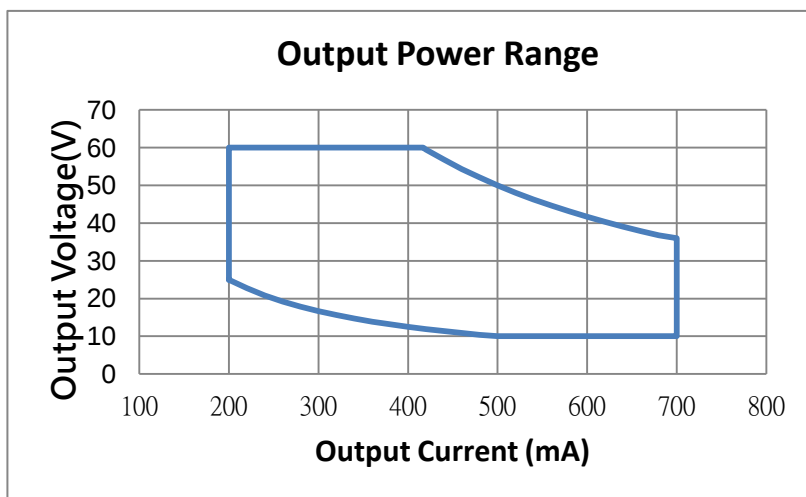
Google play



APK

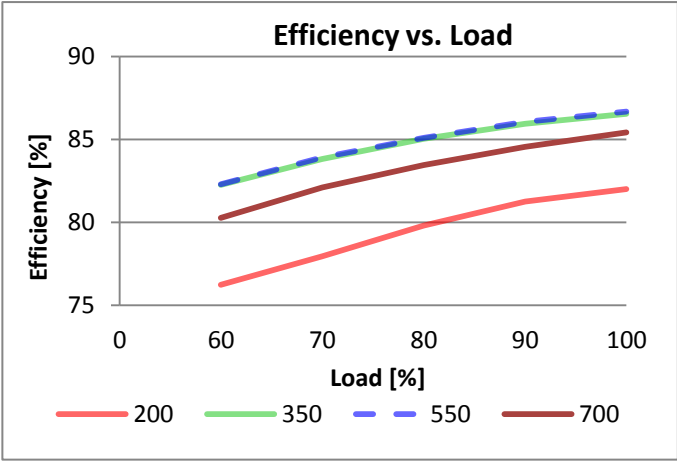
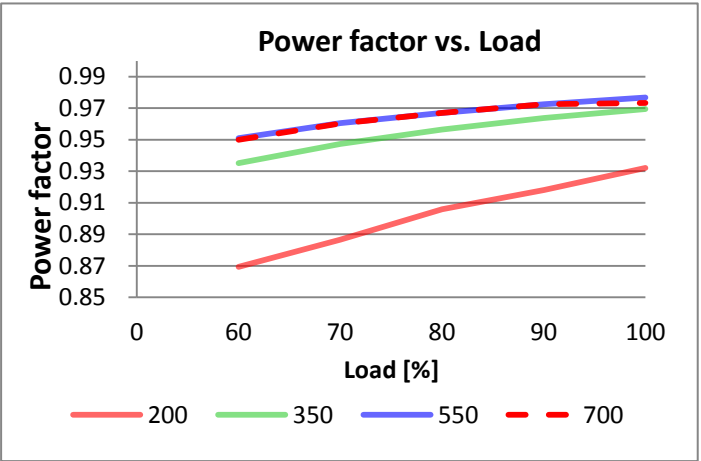
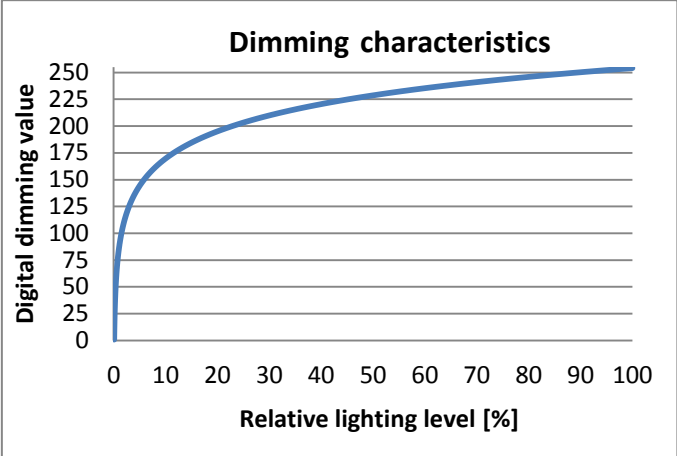
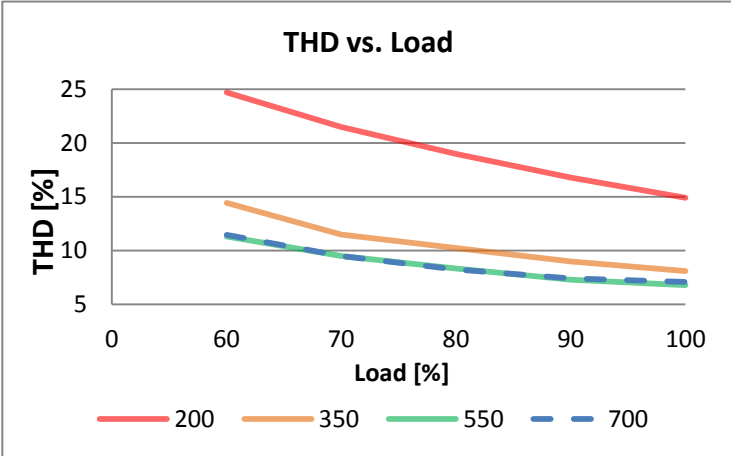


Android 6.0 Up
Smart phone with a NFC function

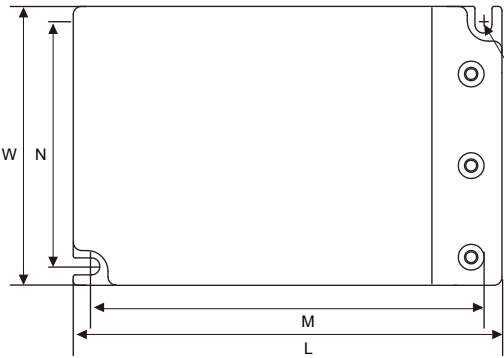


Output Current (mA)	Output Voltage Range (V)	Output Power Range (W)
700	10-36	7.0-25.0
650	10-39	6.5-25.0
600	10-42	6.0-25.0
550	10-45	5.5-24.7
500	10-50	5.0-25.0
450	11-56	5.0-25.0
400	13-60	5.2-24.0
350	14-60	5.0-21.0
300	17-60	5.0-18.0
250	20-60	5.0-15.0
200	25-60	5.0-12.0

* Upon client's special demand, customized current range in between 350 mA and 1050 mA could be specified as factory default from shipment. This default current range availably revised again via NFC reader program at client's site, if necessary.

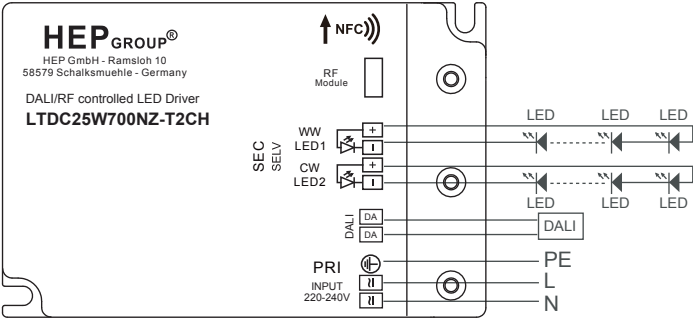


Physical
Parameter

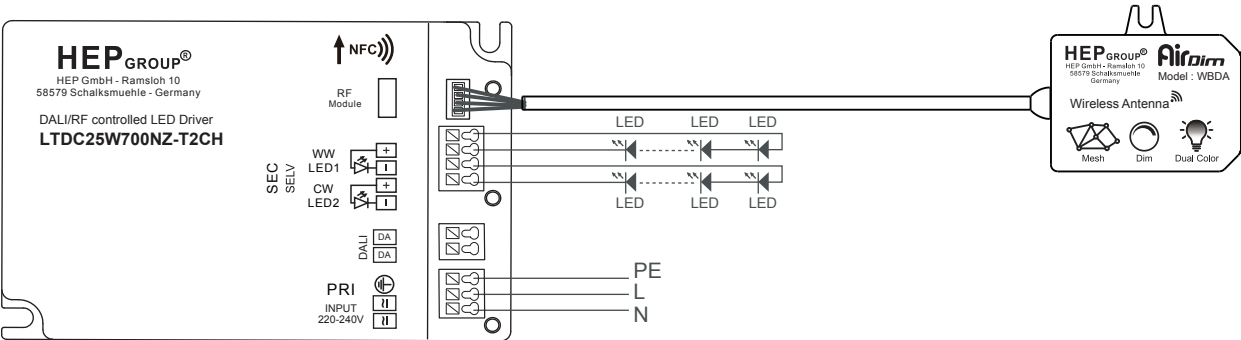


L : 123 mm W: 79 mm H : 24 mm
M : 110.8 mm N : 66.8 mm R : 2.05 mm
Tolerance : +/-1 mm R : +/-0.5 mm
Cable Cross Section : 0.75-1.5 mm²/ AWG 18-16
Stripping : 9 mm

Wiring Diagram



Wiring Diagram with wireless module (optional)



NFC Antenna Location

