

## Approval Marks



Item	Value	Remark
Nominal voltage	220 - 240 V	
Nominal frequency	50 - 60 Hz	
AC voltage range	198 - 264 V	
DC voltage range (start)	NA	
DC voltage range (operation)	NA	
Nominal current	65 mA	Full load @230VAC
Total Harmonic Distortion (THD)	< 15 %	Full load @230VAC
Power factor	0.4C-0.95	Full load @230VAC
Displacement factor	0.4C-0.95	Full load @230VAC
Efficiency	81 % (Typ.)	Full load @230VAC
No-load power	NA	
Stand-by power	NA	
Protection class	II	
Inrush current	15 A / 30 us	Full load @230VAC
Max.units per circuit breaker	Type B , 10A MCB	62
	Type B , 16A MCB	98
	Type C , 10A MCB	77
	Type C , 16A MCB	123
Earth leakage current	NA	
Nominal voltage range		
250mA	3 - 30 Vdc	
350mA	3 - 30 Vdc	
500mA	3 - 21 Vdc	
700mA	3 - 15 Vdc	
Maximum voltage	39 Vdc	
Nominal current range	250 - 700 mA	Adjusted via NFC program Factory default 250mA
Current accuracy	± 5 %	Full load @230VAC
Typical output LF current ripple	± 5 %	Low Frequency < 120Hz Full load @230VAC
SVM	≤ 0.4	Full load @230VAC
P <sub>stLM</sub>	≤ 1	Full load @230VAC
Starting time	< 0.5 S	Full load @230VAC
Nominal power range	0.8 - 10.5 W	
Maximum power	10.5 W	
Ambient temperature range t <sub>a</sub>	- 20 °C - + 45 °C	
Maximum case temperature t <sub>c</sub>	75 °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 <sub>c</sub> 85 °C @ t <sub>a</sub> 45 °C	0.2 % / 1,000 h failure rate
	> 100,000 h , t <sub>c</sub> 75 °C @ t <sub>a</sub> 35 °C	0.1 % / 1,000 h failure rate

Packing	Gross weight/box	14.8 kg							
	Net weight/box	13.6 kg							
	Pcs/box	224 PCS							
	Dimension/box	385	(L)	*	310	(W)	*	265	(H)

<b>Protections</b>									
Short-circuit Protection					Auto recovery				
Open-circuit Protection					Auto recovery				
Overload Protection					Auto recovery				

<b>Conformity &amp; Standards</b>									
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							

<b>PR1 Connection</b>									
Cable information	Cable cross-section	0.5	-	1.5	<input type="checkbox"/>	/ AWG	20	-	16
	Stripping	6 mm							
	Pull test cable type	H03VV(H2)-F 2x0,75-1,0 mm <sup>2</sup> ,H05VV(H2)-F 2x0,75-1,0 mm <sup>2</sup>							

<b>SEC Connection</b>									
Cable information	Cable cross-section	0.5	-	1.5	<input type="checkbox"/>	/ AWG	20	-	16
	Stripping	6 mm							

Terminal	PR1-	Screw type
	SEC-	Screw type

\*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).

**Current adjustable**

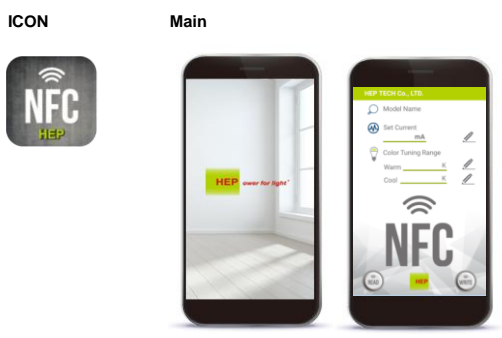
Output current/Color temperature can be adjusted by NFC reader and APP  
**NFC Reader (optional)**

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.



**NFC APP**

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.



Android 6.0 Up  
 Smart phone with a NFC function

## Electrical Values

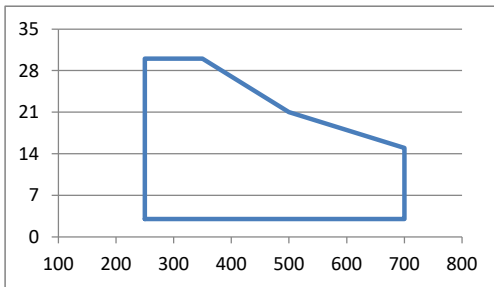
### Output Power Range

Output Current (mA)	Output Voltage Range (V)	Output Power Range (W)
250	3.0-30	0.8-7.5
350	3.0-30	1.1-10.5
500	3.0-21	1.5-10.5
700	3.0-15	2.1-10.5

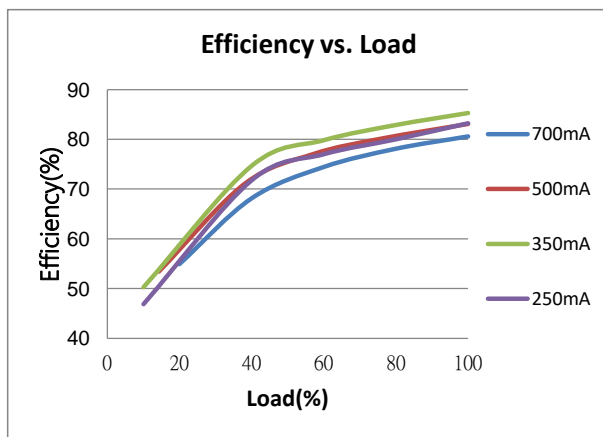
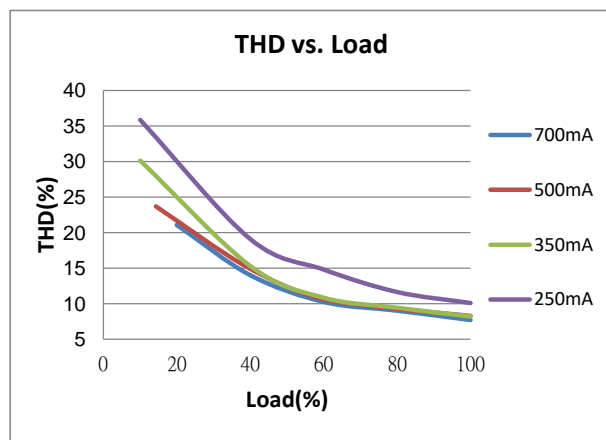
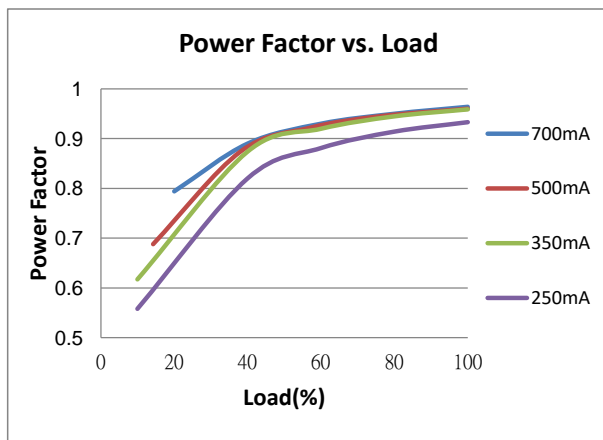
\* Upon client's special demand, customized current range in between 250 mA and 700 mA could be specified as factory default from shipment. This default current range available revised again via NFC reader program at client's site, if necessary.

## V/I Curve

### Output Power Range

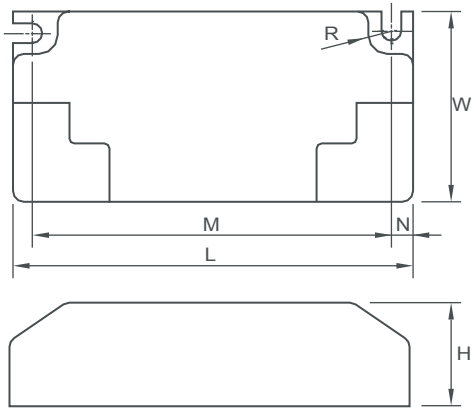


## Electrical Values



## Physical

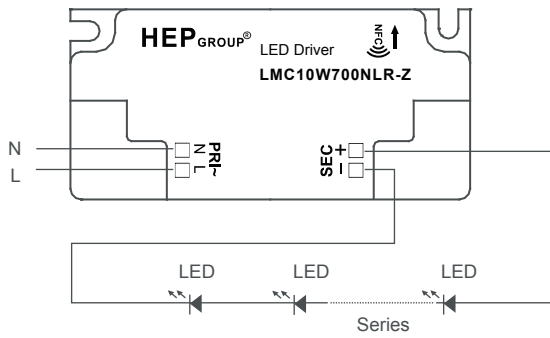
### Parameter



L : 85 mm    W: 40.4 mm  
M : 76.2 mm    H : 22 mm  
N : 4.6 mm    R : 2.1 mm

Tolerance : +/-1 mm , R : +/-0.5 mm  
Housing Material : Polycarbonate  
Soldering : Lead-Free, Comply With RoHS  
Label : Surface Print

## Wiring Diagram



## NFC Antenna Location

