LED Electrical Specification for **LAC20W600N-1C UNI**

0/1-10V Dimmable LED Driver With NFC

Approval Marks

	Item	Value	Remark
Input	Nominal voltage	120-277Vac	
	Nominal frequency	50–60Hz	
	AC voltage range	108-304V	
	DC voltage range (start)	NA	
	DC voltage range (operation)	NA	
	Nominal current	210mA	Full load @120VAC
	Total Harmonic Distortion (THD)	<10% / <15%	Full load @120/277VAC
	Power factor	0.99 / 0.9C	Full load @120/277VAC
	Displacement factor	0.99 / 0.9C	Full load @120/277VAC
	Efficiency	82% (Typ.)	Full load
	No-load power	NA	
	Stand-by power	NA	
	Protection class	NA	
	Inrush current	15 A / 300 µs	
	Earth leakage current	NA	
Output	Nominal voltage range		
	600mA	10-33 Vdc	
	500mA	10-40 Vdc	
	400mA	10-50 Vdc	
	350mA	10-51 Vdc	
	200mA	10-51 Vdc	
	100mA	20-51 Vdc	
	Maximum voltage	60Vdc	
	Nominal current range	100-600 mA	
	Current accuracy	± 5%	Full load
	Typical output LF current ripple	± 5%	Low Frequency<120Hz Full load
	Starting time	< 0.5 S	Full load @230VAC
	Nominal power range	2-20W	
	Maximum power	20W	
	Start-up Delay	< 0.5S	Full load @ 277VAC

	Item	Value	Remark
Dimming	Dimming control	0/1-10V	
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Dimming range	1-100%	
	Lowest dimming current	6mA (Typ.)	10%Iomax-100%Ioset
	Galvanic isolation	Basic insulated to PRI and supplementary insulated to SEC	
Environment	Ambient temperature range t_a	-20°C - +50°C	
	Maximum case temperature t_c	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 , 2 kV	L/N , L-PE/N-PE
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	
	Expected lifetime	> 50,000 h, tc 75 °C @ ta 50 °C > 100000 h, tc 65 °C @ ta 40 °C	0.2 % / 1,000 h failure rate 0.1 % / 1,000 h failure rate
Packing	Gross weight/box	14.3 kg	
	Net weight/box	13.2 kg	
	Pcs/box	80 PCS	
	Dimension/box	385(L)*310(W)*260(H)mm	

Protections

Short- & open circuit proof, Auto. Overload protection

Conformity & Standards

Safety standard:	UL8750 , class 2,class P CAN/CSA-C22.2 No. 250.13
EMC standard:	FCC part15 class A

Cable information

PRI

Cable cross-section	0.75-1.5□/AWG 18-16
Stripping	9mm

SEC

Cable cross-section	0.75-1.5□/AWG 18-16
Stripping	9mm

1-10V

Cable cross-section	0.34-0.5□/AWG 22-20
Stripping	9mm

Terminal information

PRI-Push button/Angled Entry

SEC-Push button/Angled Entry

1-10V-Push button/Angled Entry

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

■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

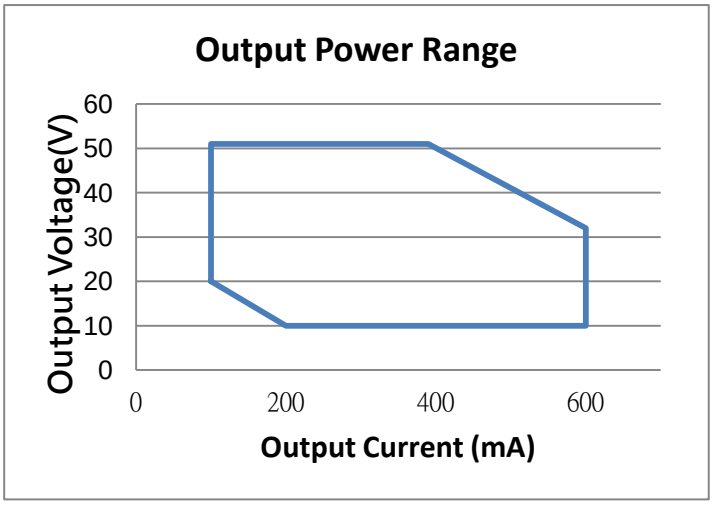
QR Code

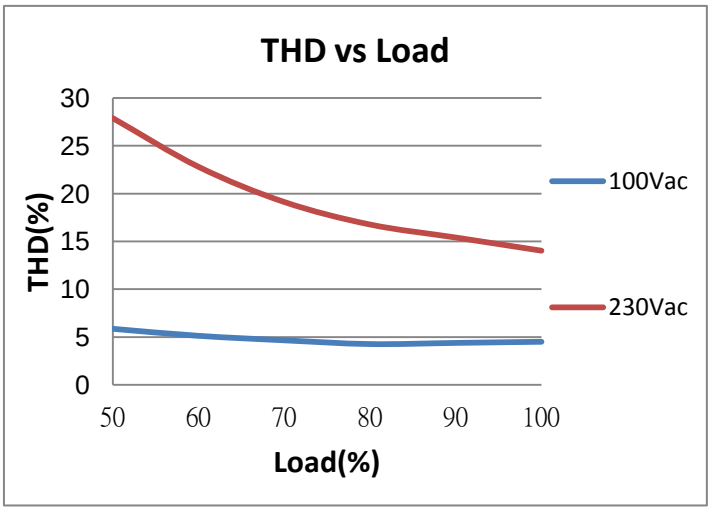
Google play APK

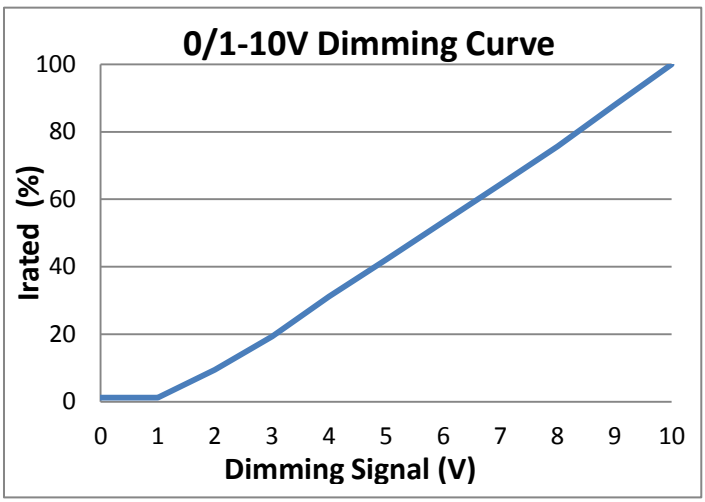
Android 4.2 Up

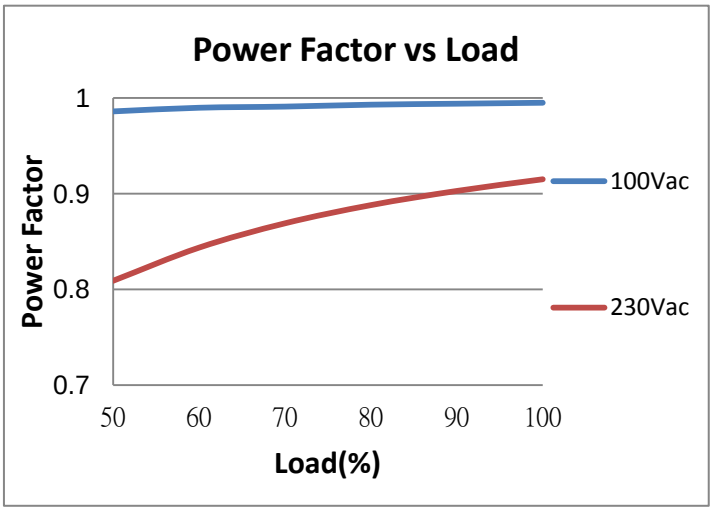
Smart phone with a NFC function

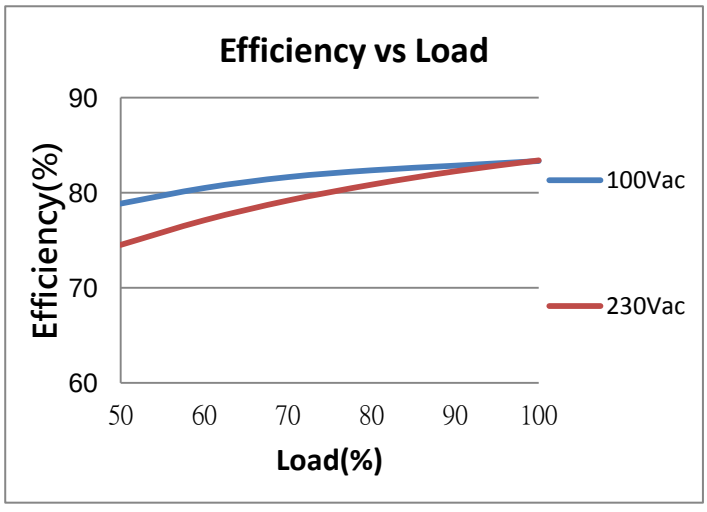
■Electrical Values





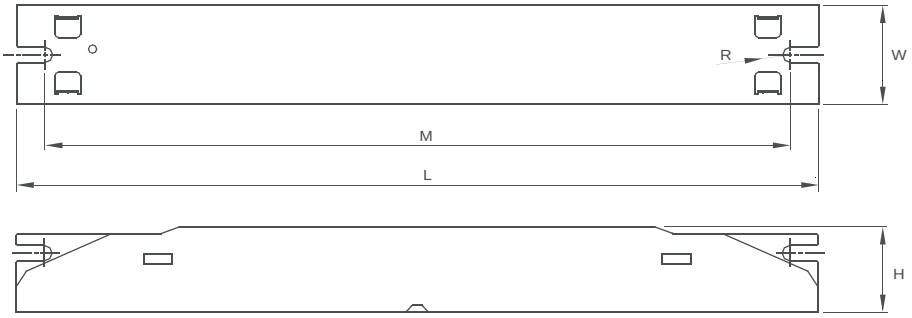






Physical

Parameter

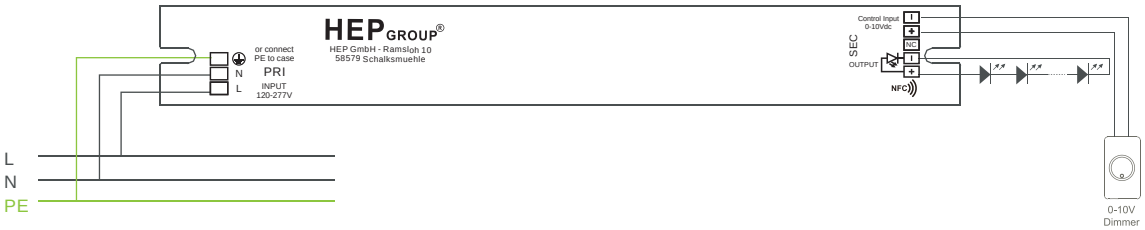


L : 235 mm H : 21 mm
M : 218.5 mm R : 1.30 mm
W : 30 mm Slot On One Side Allowing Alignment : M+/-3 mm

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

Housing Material : Metal, No Sharp Edges
Soldering : Lead - Free, Comply With RoHS
Label : Surface Print

Wiring Diagram



NFC Antenna Location