



Electrical Specification for LWC19W500CALR-S

In-Track Recess Adaptor Driver



- LWC19W500CALR-S-W
- LWC19W500CALR-S-B

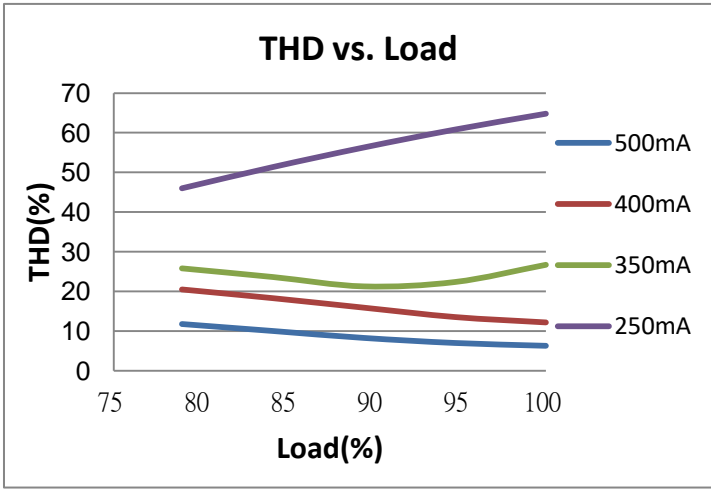
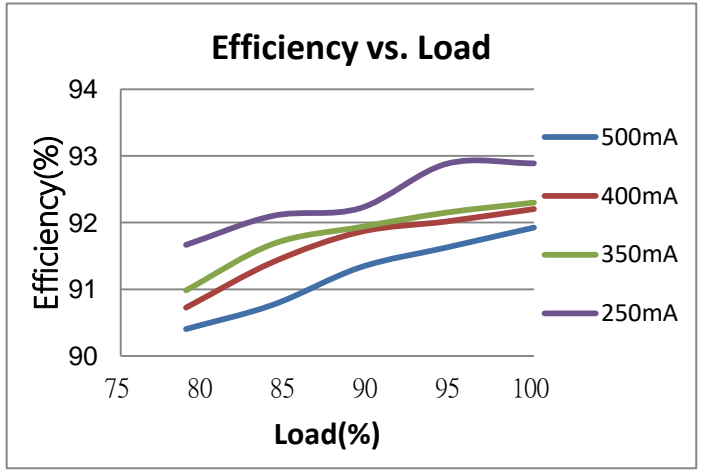
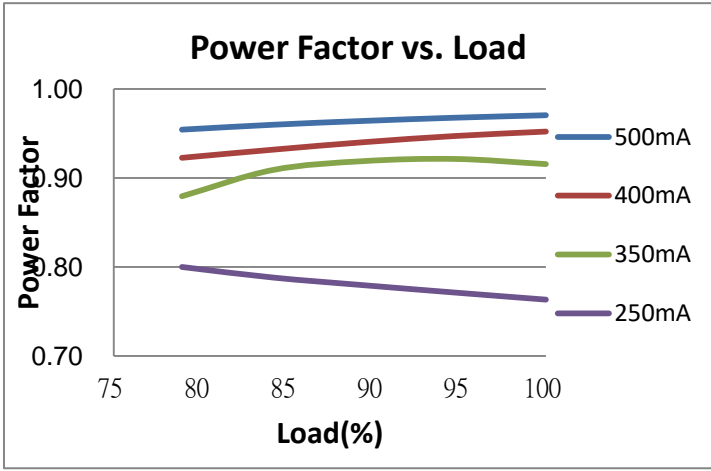
Item	Value	Remark
Nominal voltage	220 - 240 V	
Nominal frequency	50 - 60 Hz	
AC voltage range	198 - 264 V	
DC voltage range (start)	NA	
DC voltage range (operation)	NA	
Nominal current	100 mA	
Total Harmonic Distortion (THD)	< 15 %	Full load @230VAC
Power factor	0.7-0.9	Min-load @ 240Vac and Full-load @ 220 Vac
Displacement factor	0.7-0.9	Min-load @ 240Vac and Full-load @ 220 Vac
Efficiency	92 % (Typ.)	Full load @230VAC
No-load power	NA	
Stand-by power	NA	
Protection class	II	Suitable for class II luminaires
Inrush current	20 A / 160 us	
Max.units per circuit breaker	Type B , 10A MCB	26
	Type B , 16A MCB	41
	Type C , 10A MCB	43
	Type C , 16A MCB	68
Earth leakage current	NA	
Nominal voltage range	30 - 38 Vdc	
Maximum voltage	50 Vdc	
Nominal current range		Full load @230VAC
Output	250mA	250 mA
	350mA	350 mA
	400mA	400 mA
	500mA	500 mA
	Current accuracy	± 7.5 %
Typical output LF current ripple	± 5 %	Low Frequency < 120Hz Full load @230VAC
SVM	≤ 0.4	Full load @230VAC
P _{stLM}	≤ 1	Full load @230VAC
Starting time	< 0.5 S	Full load @230VAC

	Item	Value	Remark
Output	Nominal power range		
	250mA	7.5 - 9.5 W	
	350mA	10.5 - 13.3 W	
	400mA	12.0 - 15.2 W	
	500mA	15 - 19 W	
	Maximum power	19 W	
Environment	Ambient temperature range t_a	- 20 °C - + 35 °C	
	Maximum case temperature t_c	55 °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	- 20 °C - + 80 °C	
	Relative humidity	10 % - 85 %	
	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 55 °C @ t_a 35 °C	
Packing	Net weight/pc	110 g	
	Pcs/Carton	50 PCS	
	Dimension/Carton	349 (L) * 315 (W) * 280 (H) mm	
Protections			
	Short-circuit Protection	Auto recovery	
	Open-circuit Protection	Auto recovery	
	Overload Protection	Auto recovery	
Conformity & Standards			
	Safety standard:	EN 61347-1, EN 61347-2-13	
	Performance:	EN 62384	
	EMC standard:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547	
Cable information			
	PRI Connection	+	
	Cable cross-section	0.5 - 1.5 □ / AWG 20 - 16	
	Stripping	8.5-9.5 mm	
	Sec Connection	-	
	Cable cross-section	0.5 - 1.5 □ / AWG 20 - 16	
	Stripping	8.5-9.5 mm	
Terminal information			
	PRI - Contact metal		
	SEC Push button/Angled Entry		

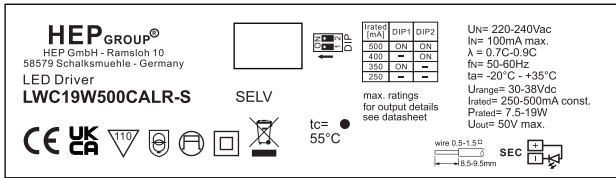
Subject to change without notice, HEP guarantees all products perform functionally well

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

Electrical Values



Label



Physical

Parameter

L : 138.9 mm	W1 : 33.3 mm
W : 30.9 mm	W2 : 42.0 mm
H : 43.0 mm	H1 : 44.5 mm
N : 13.5 mm	K : 28.5 mm
M : 82.9 mm	

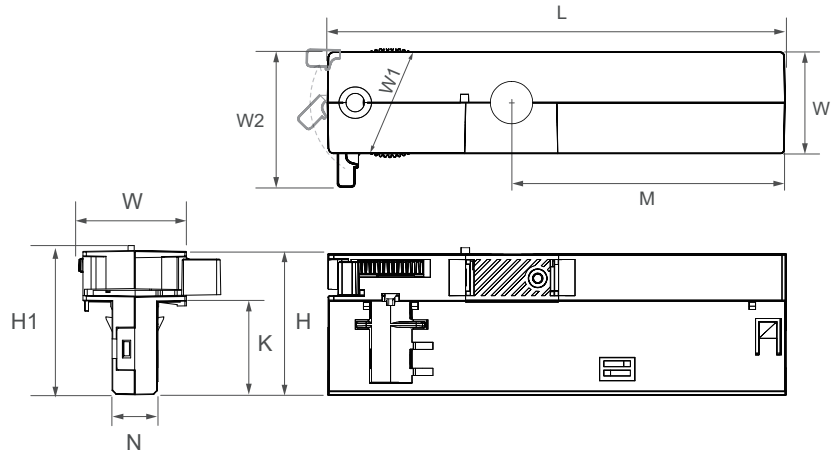
Slot On One Side Allowing Alignment : M+/-3 mm

Tolerance : +/-1 mm

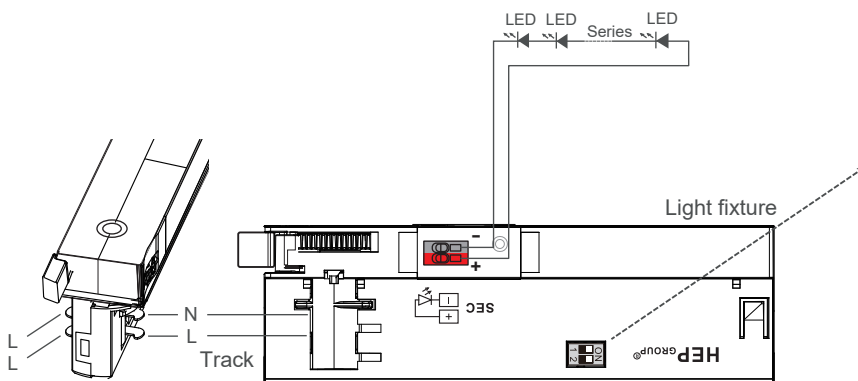
Housing Material : Polycarbonate

Soldering : Lead - Free, Comply With RoHS

Label : Surface Print



Wiring Diagram



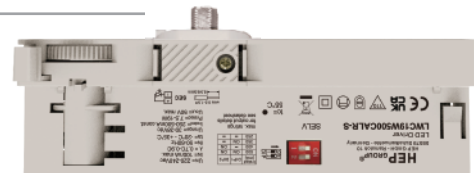
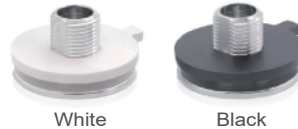
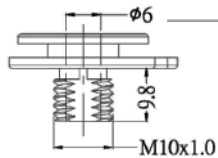
Dip Switch -

One driver offers 4 choosable output current



Current	Dip-switch setting	
	1	2
500mA	ON	ON
400mA	-	ON
350mA	ON	-
250mA	-	-

Lamp screw type



* Load-bearing : 50N(11lbs)

* Suitable for S-9009/D-M10 threaded nut.

The driver could be compatible with Powergear, STUCCHI on 3-phase-circuit track system.

Manufacturer	Type	System
STUCCHI	9000-XX	3-phase
Powergear	PRO-03XX-W	3-phase