



Approval Marks



- LWTC20W500CALR-W
- LWTC20W500CALR-B
- LWTC20W500CALR-G

Item	Value	Remark	
Nominal voltage	220–240Vac		
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)	< 25%	Full load @230VAC	
Power factor	0.9C	Full load @230VAC	
Input	Displacement factor	0.9C	Full load @230VAC
	Efficiency	83%(Typ.)	Full load @230VAC
No-load power	NA		
Stand-by power	NA		
Protection class	II		
Inrush current	15A / 40us		
Max.units per circuit breaker	Type B , 10A MCB	29	
	Type B , 16A MCB	46	
	Type C , 10A MCB	36	
	Type C , 16A MCB	57	
Earth leakage current	NA		
Output	Nominal voltage range	25-40Vdc	
	Maximum voltage	55Vdc	
	Nominal current range		Full load @230VAC
	500mA	500mA	
	350mA	350mA	
	250mA	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 _{stLM}	≤ 1	Full load @230VAC
Starting time	< 0.5 S	Full load @230VAC	

	Item	Value	Remark	
Output	Nominal power range			
	500mA	12.5-20W		
	350mA	8.8-14W		
	250mA	6.3-10W		
	Maximum power	20W		
Dimming	Dimming control	Trailing edge		
	Dimming technique	Amplitude		
	PWM frequency	NA		
	Dimming range	10-100%		
	Lowest dimming current	1-6%	Full load @230VAC	
	Galvanic isolation	NA		
Environment	Ambient temperature range t_a	-20°C - +35°C		
	Maximum case temperature t_c	60°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% - 90%		
	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 60 °C @ t_a 35 °C	0.2 % / 1,000 h failure rate	
		> 100,000 h, t_c 50 °C @ t_a 25 °C	0.1 % / 1,000 h failure rate	
	Packing	Gross weight/Carton	5.8 kg	
		Net weight/Carton	4.9 kg	
Pcs/Carton		35 PCS		
Dimension/Carton		385 (L)*310(W)*260(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, EN 62493			
Performance:	EN 62384			
EMC standard:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547			
Cable information				
Sec Connection	+	-		
Cable cross-section	0.34-0.5□/AWG 22-20	0.34-0.5□/AWG 22-20		
Stripping	9mm	9mm		
Terminal information				
PRI -Contact metal				
SEC -Push button/Angled Entry				

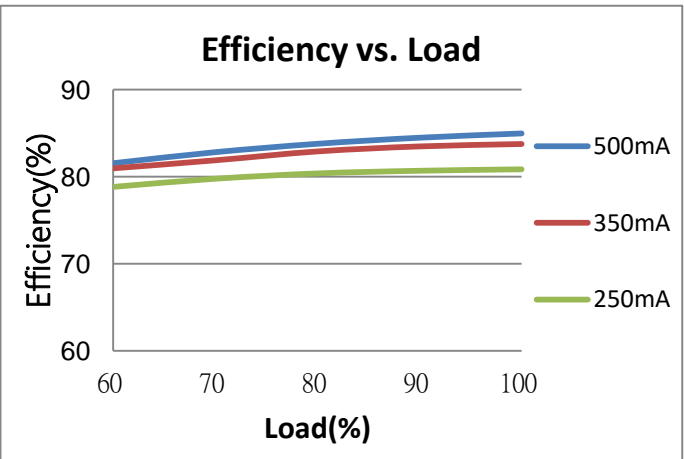
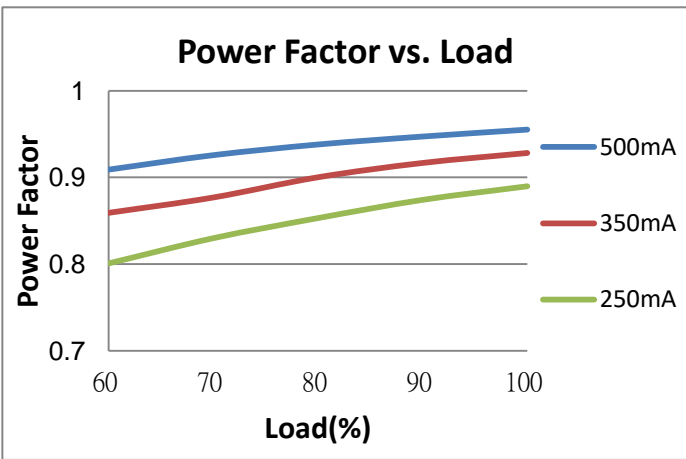
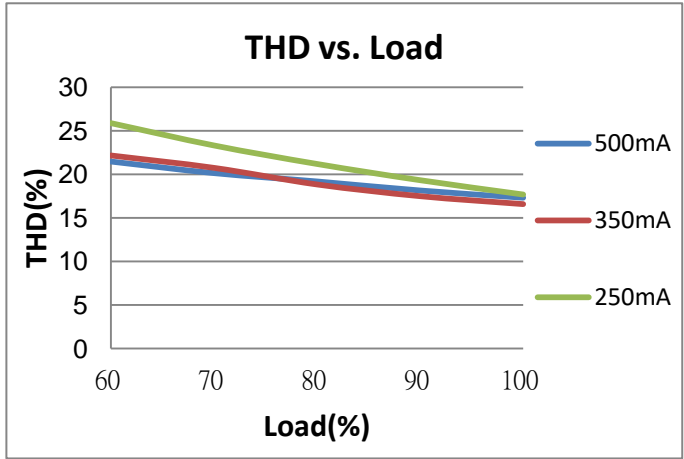
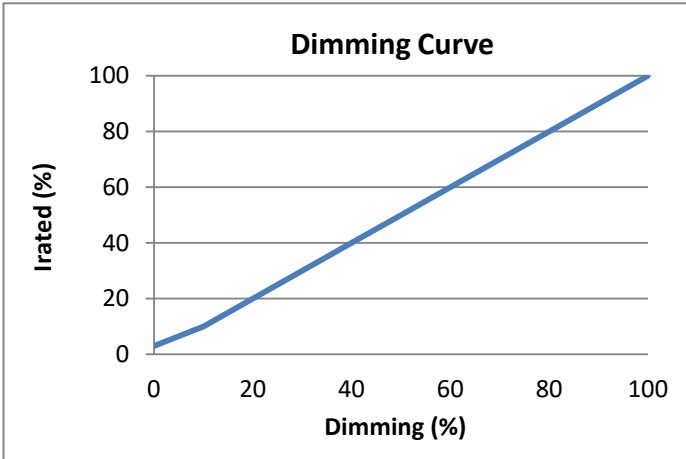
* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

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

Trailing Edge Dimmer list approved by HEP

Manufacturer	Model	Q'ty of parallelconnection
Philips	SED-200A	6
Merten/Schneider	SBD315RC	8
Etman	ETM327	8
Etman	ETM329	8

Electrical Values



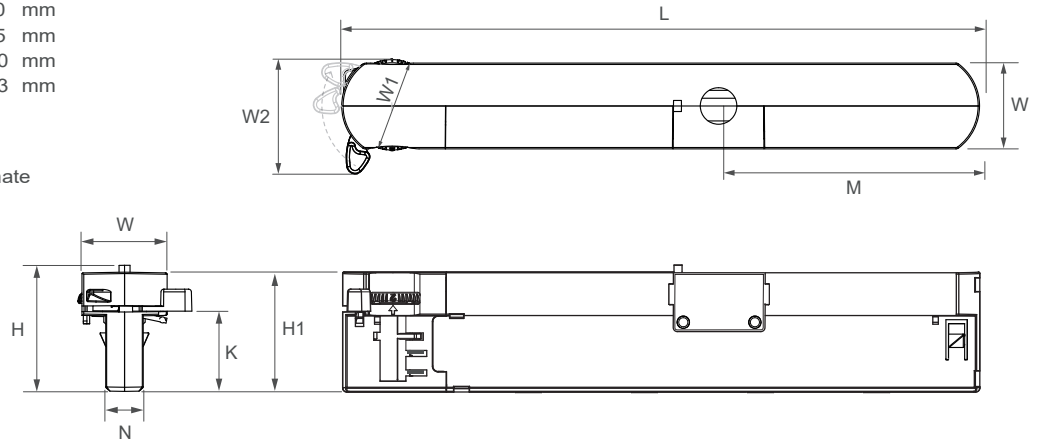
Label

HEP GROUP® HEP GmbH - Ramsloh 10 58579 Schalksmuehle - Germany UN= 220-240Vac IN= 140mA max. $\lambda = 0.9C$ $f_n = 50-60Hz$ $t_a = -20^{\circ}C - +35^{\circ}C$		Phase Dimmable LED Driver LWTC20W500CALR Trailing Edge Dim Urange= 25-40 Vdc Irated= 250/350/500mA const. Prated= 6.3-20W max. ratings Uout= 53V max. for output details see datasheet		DIP ON 1 2 250 OFF OFF 350 ON OFF 500 ON ON	+ I SEC SELV $t_c = 60^{\circ}C$	05 CE UK CA R.C 9mm wire preparation 0.34-0.5 IAWG 22-20
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Physical Parameter

L : 230.5 mm W1 : 33.0 mm
 W : 31.0 mm W2 : 41.5 mm
 H : 45.9 mm H1 : 43.0 mm
 N : 13.7 mm M : 94.3 mm
 K : 27.5 mm

Tolerance : $\geq \pm 1$ mm
 Housing Material : Polycarbonate

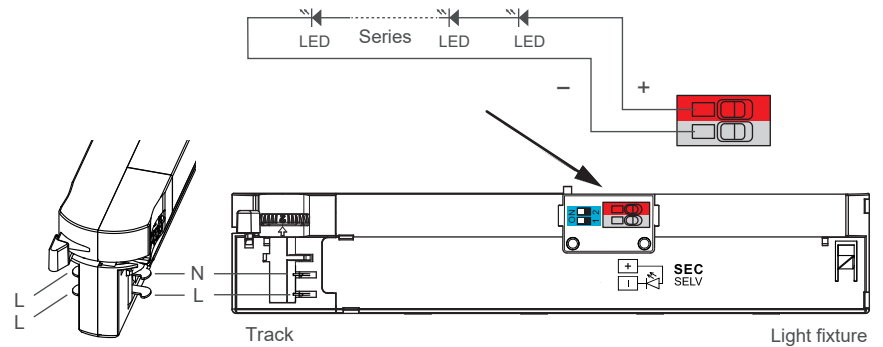


Dip Switch - One driver offers 3 choosable output current

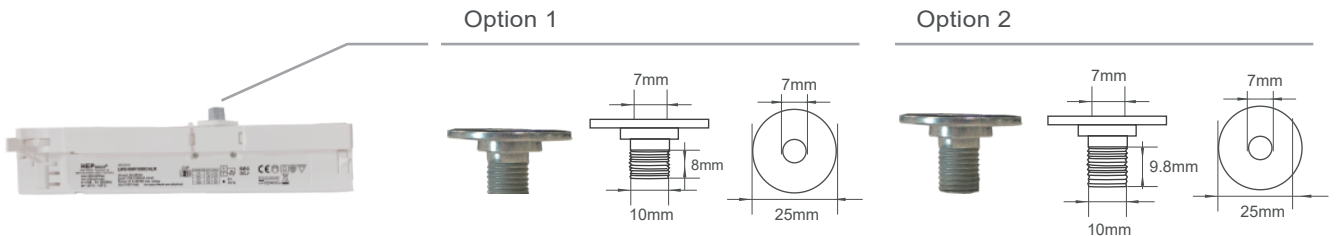
ON 1 2 500mA	Current		Dip-switch setting	
			1	2
	500mA		ON	ON
	350mA		ON	-
250mA		-	-	



Wiring Diagram



Lamp screw type



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

Manufacturer	Type	Model	System
NORDIC ALUMINIUM	Global Track Pro	XTS 4x00	x=1,2,3,4 3-phase
EUTRAC	Surface Track	25-x0	x=1,2,3,4 3-phase
ZUMTOBEL	3 Circuits DALI Track System	S2 801 S2 803	3-phase
IVELA	3-phase LKM	7501-x0	x=1,2,3,4 3-phase
POWERGEAR	3 Circuits Track System	PRO-04x0	x=1,2,3 3-phase