



### Approval Marks



	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		
	G5S10W200LR-Z	56mA	Full load @230VAC
	G5S10W250LR-Z	63mA	Full load @230VAC
	G5S10W350LR-Z	66mA	Full load @230VAC
	G5S10W450LR-Z	58mA	Full load @230VAC
	G5S10W500LR-Z	63mA	Full load @230VAC
	Total Harmonic Distortion (THD)	< 15%	Full load @230VAC
	Power factor	0.9C	Full load @230VAC
	Efficiency	80%(Typ.)	Full load @230VAC
	No-load power	NA	
	Stand-by power	NA	
	Protection class	II	Suitable for class II luminaires test with analog luminaires
Inrush current	4.7 A / 30 μs	Full load @230VAC	
Earth leakage current	NA		
Output	Nominal voltage range		
	G5S10W200LR-Z	29-42Vdc	
	G5S10W250LR-Z	26-40Vdc	
	G5S10W350LR-Z	17-29Vdc	
	G5S10W450/500LR-Z	13-20Vdc	
	Maximum voltage		
	G5S10W200LR-Z	55Vdc	
	G5S10W250LR-Z	53Vdc	
	G5S10W350LR-Z	40Vdc	
	G5S10W450/500LR-Z	29Vdc	
Nominal current range			
G5S10W200LR-Z	200mA		
G5S10W250LR-Z	250mA		

	Item	Value	Remark
Output	G5S10W350LR-Z	350mA	
	G5S10W450LR-Z	450mA	
	G5S10W500LR-Z	500mA	
	Current accuracy	± 5%	Full load @230VAC
	Typical output LF current ripple	± 5%	Full load @230VAC Low Frequency<120Hz
	Nominal power range		
	G5S10W200LR-Z	5.8-8.4W	
	G5S10W250LR-Z	6.5-10W	
	G5S10W350LR-Z	6-10.1W	
	G5S10W450LR-Z	5.9-9W	
G5S10W500LR-Z	6.5-10W		
Maximum power	10.15W		

Environment	Ambient temperature range t <sub>a</sub>	-20°C...+45°C	
	Maximum case temperature t <sub>c</sub>	85°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	-25°C...+80°C	
	Relative humidity	10%...85%	
	Surge transient protection	0.5KV	L/N
	Environmental rating	Indoor	

	Item	Value	Remark
Environment	IP rating	IP20	
	Mains switching cycles	> 10,000	
	Expected lifetime	> 30,000 h, t <sub>c</sub> 85 °C @ t <sub>a</sub> 45 °C > 60,000 h, t <sub>c</sub> 75 °C @ t <sub>a</sub> 35 °C	0.2 % / 1,000 h failure rate 0.1 % / 1,000 h failure rate

Packing	Gross weight/box	Kg	
	Net weight/box	Kg	
	Pcs/box	PCS	
	Dimension/box	(L)*(W)*(H)mm	

#### Protections

Short- & open circuit proof, Auto.

#### Conformity & Standards

Safety standard: EN 61347-1, EN 61347-2-13, EN62493

EMC standard: EN55015, EN61000-3-2, EN61000-3-3, EN61547

Performance: EN62384

#### Cable information

##### PRI Connection

Cable cross-section 0.75-1.5□/AWG 18-16

Stripping 9mm

##### SEC Connection

Cable cross-section 0.75-1.5□/AWG 18-16

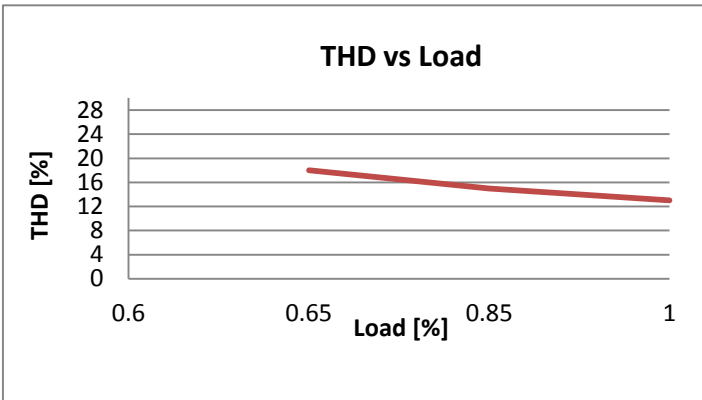
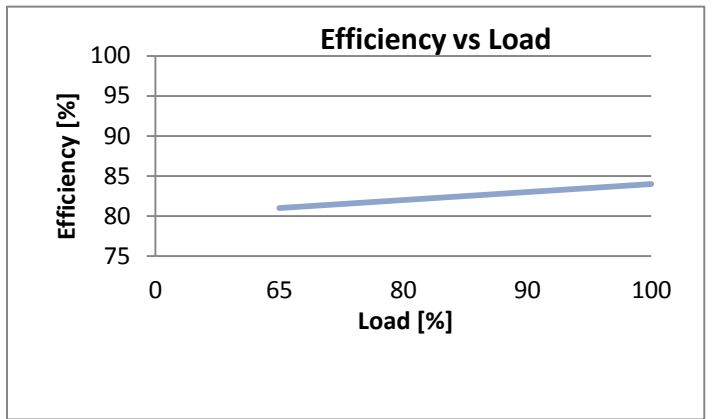
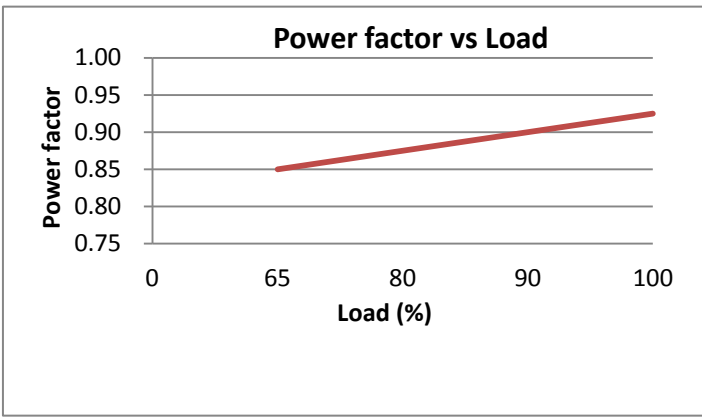
Stripping 9mm

#### Terminal information

**PRI** Push button/Angled Entry

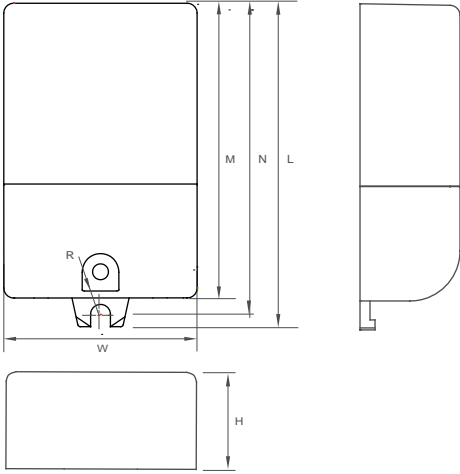
**SEC** Push button/Angled Entry

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



## Physical

### Parameter



L : 65 mm    H : 20 mm  
M : 59.2 mm    R : 2 mm  
N : 62.5 mm    W : 39 mm

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

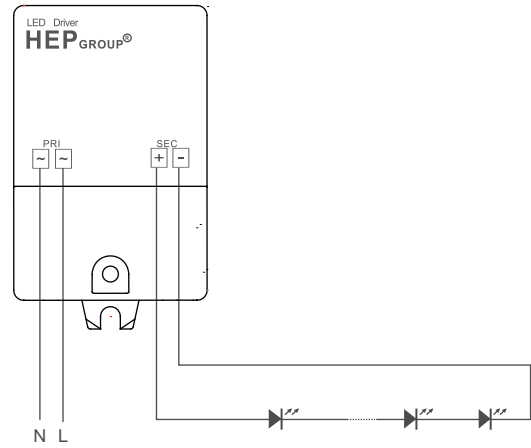
Slot On One Side Allowing Alignment : M+/-3 mm

Housing Material : Polycarbonate

Soldering : Lead-Free, Comply With RoHS

Label : Surface Print

## Wiring Diagram



The length of wire from output to luminaire should be less than 2M