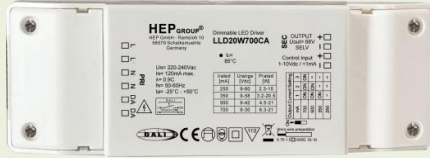




Electrical Specification for **LLD20W700CA**

DALI / Push Dim / 1-10V Dimmable LED Driver

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	120mA	Full load @230VAC
	Total Harmonic Distortion (THD)	< 16%	Full load @230VAC
	Power factor	0.9C (Min.)	Full load @230VAC
	Displacement factor	0.9C (Min.)	Full load @230VAC
	Efficiency	85% (Typ.)	Full load @230VAC
	No-load power	NA	
	Stand-by power	< 0.5W	@230Vac when PUSH or DALI turn off
	Networked standby power	< 0.5W	@230Vac when PUSH or DALI turn off
	Protection class	II	Suitable for class II luminaires
Inrush current	10 A / 100 µs	Full load @230VAC	
Earth leakage current	NA		
Output	Nominal voltage range		
	@250mA	9-60Vdc	
	@350mA	9-58Vdc	
	@500mA	9-42Vdc	
	@700mA	9-30Vdc	
	Maximum voltage	68Vdc	
	Nominal current range		
	@250mA	250mA	
	@350mA	350mA	
	@500mA	500mA	
	@700mA	700mA	
	Current accuracy	± 5%	Full load @ 230Vac
	Typical output LF current ripple	± 7%	Low Frequency < 120Hz Full load @230VAC
	Starting time	< 1 S	Full load @230VAC

	Item	Value	Remark
Output	Nominal power range		
	@250mA	2.3-15W	
	@350mA	3.2-20.5W	
	@500mA	4.5-21W	
	@700mA	6.3-21W	
	Maximum power	21W	
Dimming	Dimming control	DALI / Push Dimming / 1-10V	
	Dimming technique	Amplitude	
	PWM frequency	NA	
	Dimming range		
	Primary Push & DALI Dimming	0-100%	
	1-10V Dimming	2-100%	
	Lowest dimming current	0.5-4%	
	Galvanic isolation	The insulation between DALI and primary circuit is basis isolated and to the secondary circuit is double or reinforced insulation. The insulation between 0-10V / 1-10V control and primary circuit is double or reinforced insulated and to the secondary circuit is non-insulated.	
Environment	Ambient temperature range t_a	-25°C - +50°C	
	Maximum case temperature t_c	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	-40°C - +80°C	
	Relative humidity	85%	
	Surge transient protection	1kV	L/N
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 10,000	
	Expected lifetime	> 50,000 h, t_c 70 °C @ t_a 50 °C > 100000 h, t_c 60 °C @ t_a 40 °C	0.2 % / 1,000 h failure rate 0.1 % / 1,000 h failure rate
Packing	Gross weight/box	8.8 kg	
	Net weight/box	8 kg	
	Pcs/box	50 PCS	
	Dimension/box	320(L)*290(W)*195(H)mm	
Protections			
Short- & open circuit proof, Auto. Overload protection			
Conformity & Standards			
Safety standard:	EN 61347-1, EN 61347-2-13		
Performance:	EN 62384		
EMC standard:	EN55015,EN61547,EN61000-3-2,EN61000-3-3		
DALI protocol standard:	IEC62386-102,IEC62386-207		
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

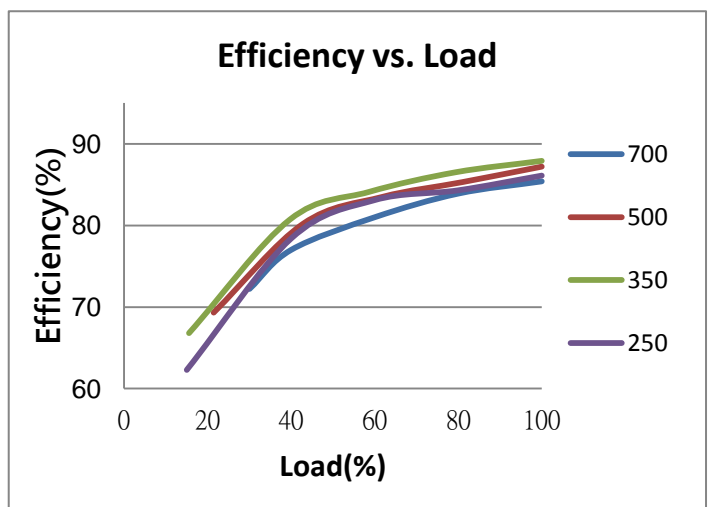
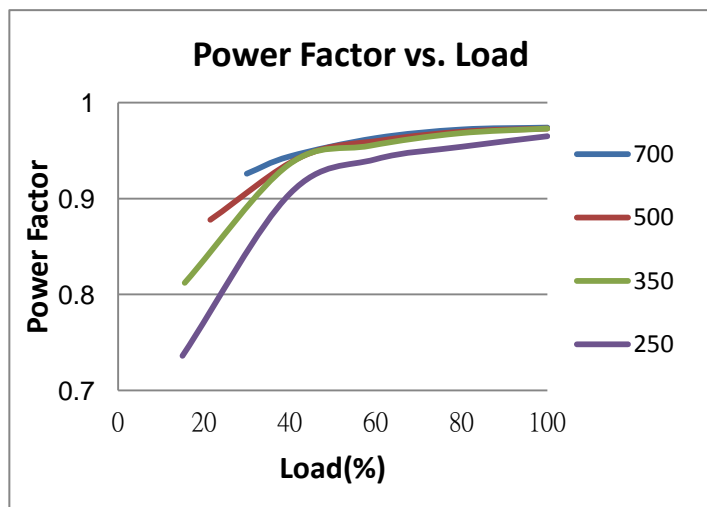
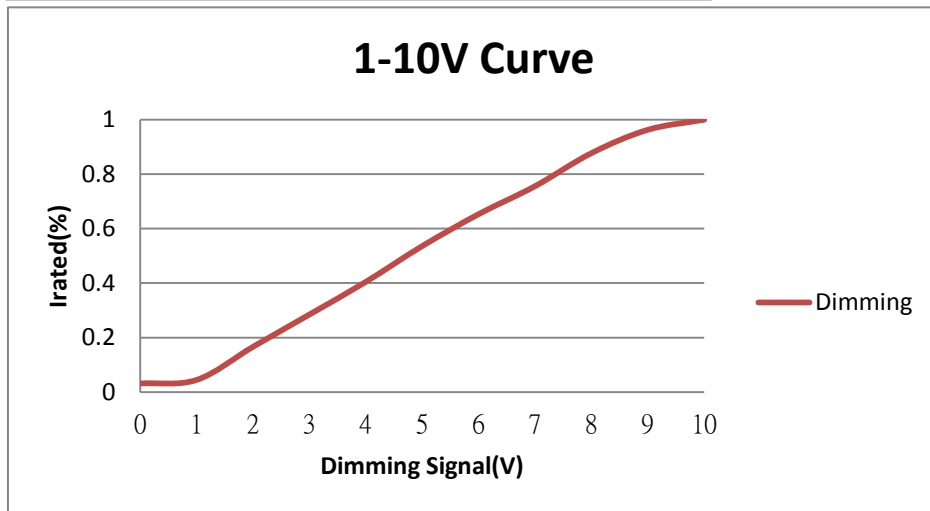
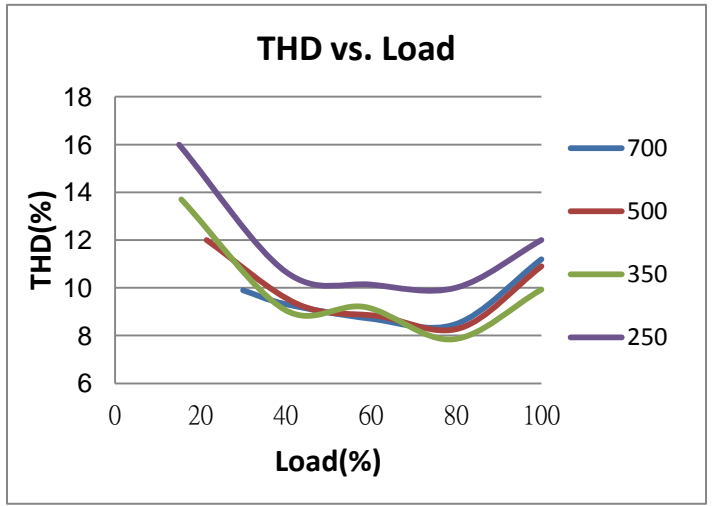
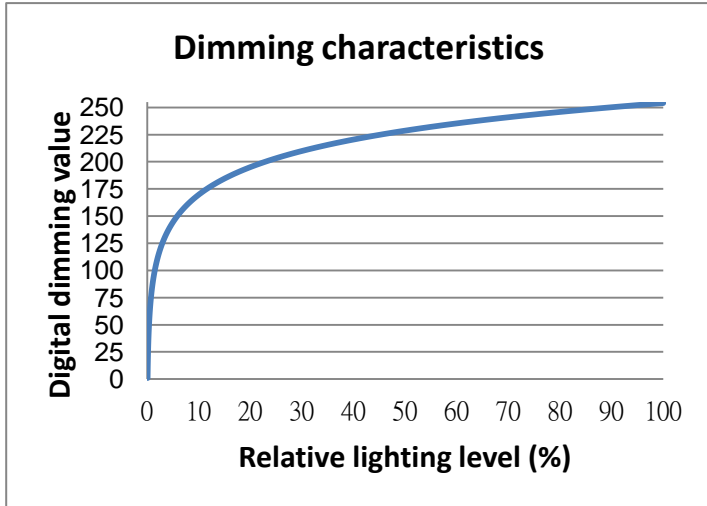
SEC-Push button

DALI-Push button

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

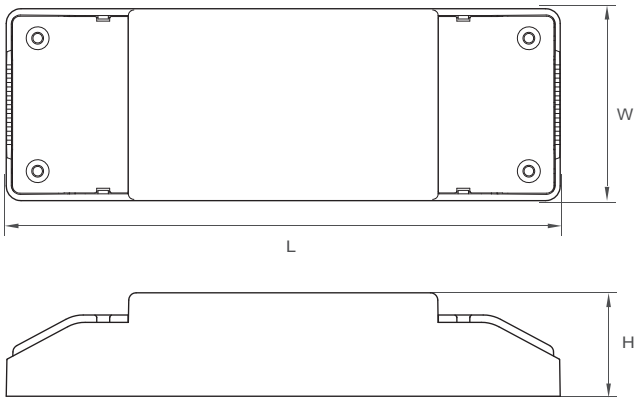
Subject to change without notice, HEP guarantees all products perform functionally well

Electrical Values



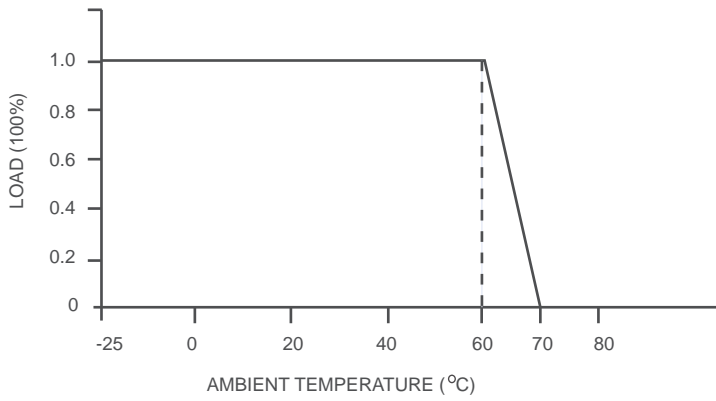
Physical

Parameter



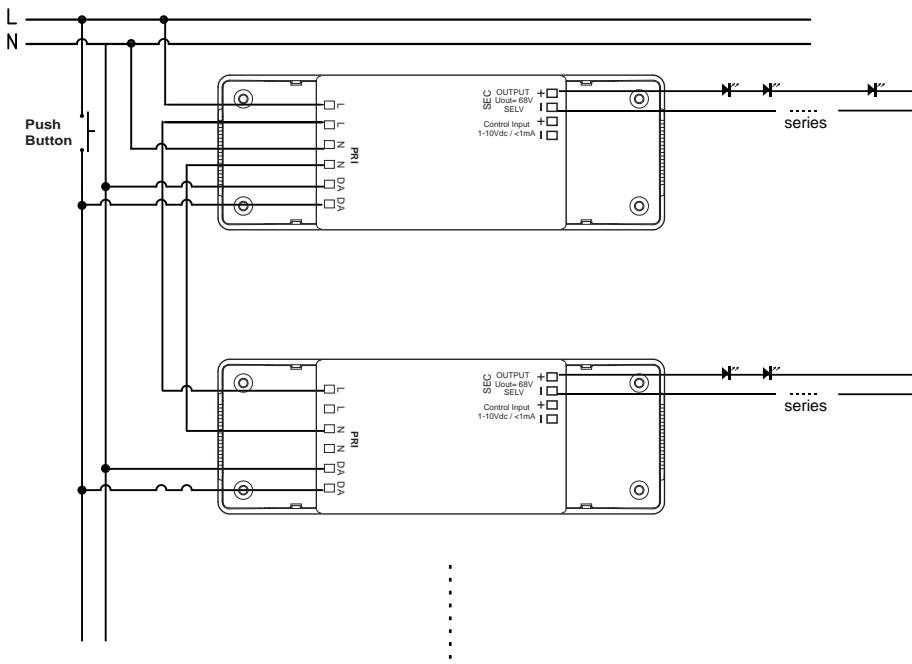
L : 150 mm W: 52 mm H : 28 mm
Tolerance : +/-3 mm

Derating



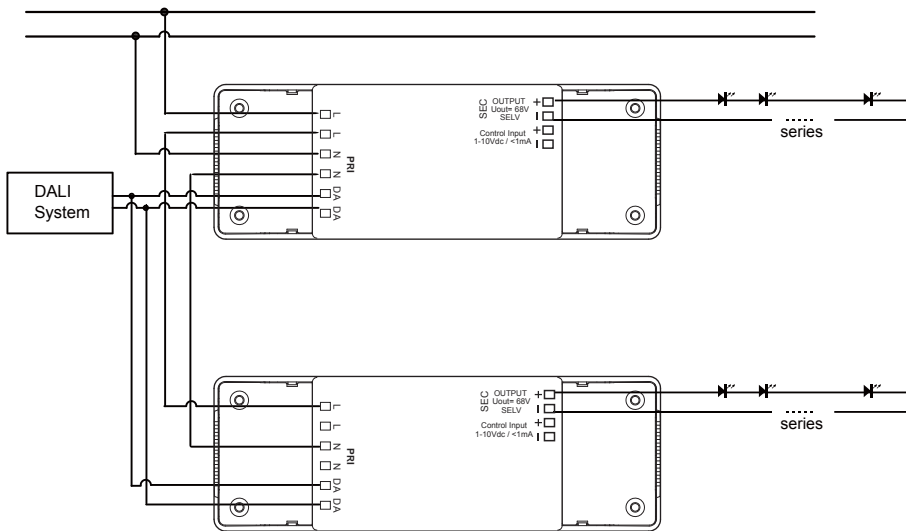
Wiring Diagram

Push Dim



15pcs max.

DALI Dim



1-10V Dim

