

**PHILIPS**

**Lighting**



## HF-Regulator II for PL-T/C

### HF-R 2 26-42 PL-T/C EII 220-240V 50/60Hz

Compact, lightweight High-Frequency electronic regulating ballast for PL-T and PL-C compact fluorescent lamps

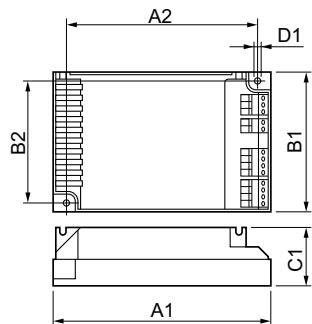
#### Product data

General Information		Constant wattage deviation	-2%/+2%
Application code	EII	Ballast factor (nom.)	0.99
Type version	mk3	Power losses (nom.)	6.5-7.5 W
Lamp type	PL-T/C	Inrush current peak (max.)	45 A
Number of lamps	2 piece/unit		
Number of products on MCB (16 A type B) (nom.)	12		
Automatic restart	Yes		
Operating and Electrical			
Input voltage	220 to 240 V		
Input frequency	50 to 60 Hz		
Operating frequency (max.)	100 kHz		
Operating frequency (min.)	40 kHz		
Ignition method	Programmed Start		
Crest factor (max.)	1.7		
Power factor 100% load (nom.)	0.95		
Ignition time (max.)	1.5 s		
Mains voltage performance (AC)	-8%+6%		
Mains voltage safety (AC)	-10%+10%		
Earth leakage current (max.)	0.5 mA		
Inrush current width	0.35 ms		
Wiring			
Connector type input terminals	Insert		
Cable capacity output wires mutual (nom.)	30 pF		
Connector type output terminals	Insert		
Connector type control input terminals	Insert		
Wire strip length	7.5-8.5 mm		
Dual fixture master/slave	Not advisable [ Master/Slave operation not advised]		
Control input terminal cross section	0.50-1.50 mm <sup>2</sup>		
Input terminal cross section	0.50-1.50 mm <sup>2</sup>		
Output terminal cross section	0.50-1.50 mm <sup>2</sup>		
Cable capacity output wires to earth (nom.)	75 pF		
System characteristics			
Rated ballast-lamp power	26-42 W		

# HF-Regulator II for PL-T/C

<b>Temperature</b>			
T ambient (max.)	50 °C	Safety standard	IEC 61347-2-3
T ambient (min.)	-20 °C	Performance standard	IEC 60929
T storage (max.)	80 °C	Quality standard	ISO 9000:2000
T storage (min.)	-25 °C	Environmental standard	ISO 14001
T case lifetime (nom.)	65 °C	Harmonic current emission standard	IEC 61000-3-2
T-Case maximum (max.)	75 °C	EMC immunity standard	IEC 61547
Stable lamp operation temperature	Not Specified	Vibration standard	IEC68-2-6 F c
T-Ignition (max.)	50 °C	Bumps standard	IEC 68-2-29 Eb
T-Ignition (min.)	0 °C	Humidity standard	EN 61347-2-3 clause 11
		Approval marks	CE marking ENEC certificate VDE-EMV certificate
<b>Controls and Dimming</b>		Temperature marking	Yes
Control interface	1-10V	Emergency standard	IEC 60598-2-22
Regulating level power	1%-100%	Humming and noise level	Inaudible
Control input protection	Yes (Basic insulation)		
<b>Mechanical and Housing</b>		<b>Product Data</b>	
Housing	S 123x79x33	Full product code	872790080972500
		Order product name	HF-R 2 26-42 PL-T/C EII 220-240V 50/60Hz
<b>Emergency Operation</b>		EAN/UPC – product	8711500880758
Battery voltage lamp ignition	198-254 V	Order code	80972500
Battery voltage lamp operation	176-254	Local Code	HFR226-42PLCT
<b>Approval and Application</b>		Numerator – quantity per pack	1
Energy efficiency index	A1 BAT	Numerator – packs per outer box	12
IP classification	IP 20 [ Ingress Protection 20]	Material no. (12NC)	913700626566
EMI 9 kHz... 30 MHz	EN55015	Net weight (piece)	0.230 kg
EMI 30 MHz... 1,000 MHz	EN55022 level B		

## Dimensional drawing



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### Product

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2020, March 19 - data subject to change