



# HF-Performer Intelligent for TL5 HE/HO lamps

HF-Performer Intelligent 2 14/21/24/39 TL5 EII 220-240V

HF-Performer Intelligent for Master and ECO TL5 HE/HO, TL-D and PL-L lamps HF-Performer Intelligent features automatic recognition of the connected lamp and is independently able to adjust its operation parameters exactly to the respective lamp. This results in a substantial benefit, especially for T5 lamps, as it means TL5 HE and HO lamps of the same length can be interchanged. With a choice of seven ballasts, the customer is able to handle efficiently every possible combination of Master TL5 and Eco, TL-D, and PL-L lamps.

## Product data

### • General Information

Application Code	EII
Type Version	mk1
Lamp Type	TL5
Number Of Lamps	2 piece/unit
Number Of Products	12
On MCB (16A Type B) (Nom)	
Automatic Restart	Yes

### • Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50-60_1 Hz
Ignition Method	Warm Start
Crestfactor (Max)	1.7
Ignition Time (Max)	5.0 s
Mains Voltage	-8%+6%
Performance (AC)	
Mains Voltage Safety (AC)	-10%+10%
Earth Leakage Current (Max)	0.5 mA
Inrush Current	0.35 ms
Width	
Constant Wattage Deviation	-2%/+2%
Ballast Factor (Nom)	1.00
Power Losses (Nom)	2.9-4.6 W
Inrush Current Peak (Max)	31 A

### • Wiring

Connector Type	Insert
Input Terminals	

Cable Capacity	70 pF
Output Wires Mutual (Nom)	
Connector Type	Insert
Output Terminals	
Cable Length Hot	0.75 m
Wiring	
Wire Striplength	8.0-9.0 mm
Input Terminal Cross Section	0.50-1.00 mm <sup>2</sup>
Output Terminal Cross Section	0.50-1.00 mm <sup>2</sup>
Cable Capacity	70 pF
Output Wires To Earth (Nom)	

### • System characteristics

Rated Ballast-Lamp Power	14-39 W
Power Loss On TL5 HO	3.6/4.6 W
Lamp Power On TL5 HO	46.8/71.2 W
System Power On TL5 HO	50.4/75.8 W
Rated Lamp Power On TL5 HO	24/39 W
Rated Lamp Power On TL5 HE	14/21 W
System Power On TL5 HE	31.5/46.7 W
Lamp Power On TL5 HE	28.6/42.8 W
Power Loss On TL5 HE	2.9/3.9 W

**PHILIPS**

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## • Temperature

T-Ambient (Max)	50 °C
T-Ambient (Min)	-25 °C
T-Storage (Max)	80 °C
T-Storage (Min)	-40 °C
T-Case Lifetime (Nom)	75 °C
T-Case Maximum (Max)	75 °C
T-Ignition (Max)	50 °C
T-Ignition (Min)	-25 °C

## • Mechanical and Housing

Housing	L360x30x22
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## • Emergency Operation

Battery Voltage Lamp Operation	198-276
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## • Approval and Application

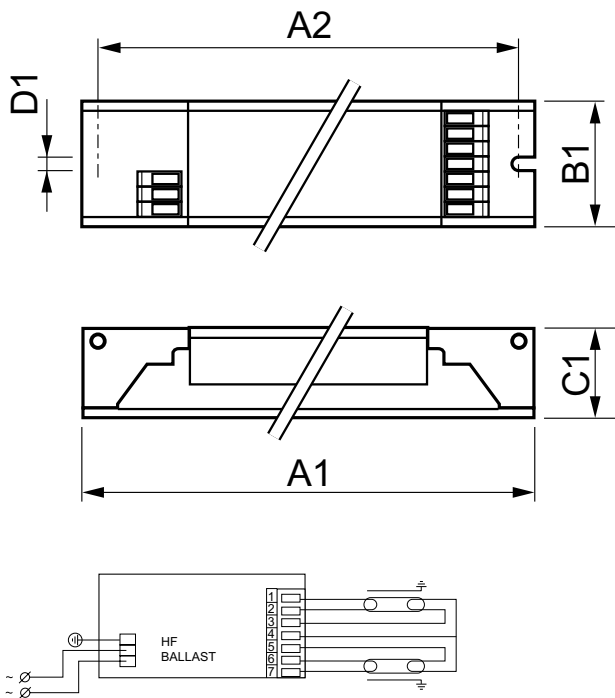
Energy Efficiency Index	A2
EMI 9 kHz ... 30 MHz	EN55015
EMI 30 MHz ... 1000 MHz	EN 55022 Class B
Safety Standard	IEC 61347-2-3
Performance Standard	IEC 60929
Quality Standard	ISO 9000:2000

Environmental Standard	ISO 14001
Harmonic Current Emission Standard	IEC 61000-3-2
EMC Immunity Standard	IEC 61547
Vibration Standard	IEC 68-2-6 Fc
Bumps Standard	IEC 68-2-29 Eb
Humidity Standard	EN 61347-2-3 clause 11
Approval Marks	CE marking ENEC certificate VDE-EMV certificate
Temperature Marking	Yes
Emergency Standard	IEC 60598-2-22
Hum And Noise Level	Inaudible

## • Product Data

Full product code	871150091500930
Order product name	HF-Performer Intelligent 2 14/21/24/39 TL5 EII 220-240V
EAN/UPC - Product	8711500915009
Order code	913700624266
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913700624266
Net Weight (Piece)	0.290 kg

## Dimensional drawing



## HF-Pi 2 14/21/24/39 TL5 EII 220-240V

Product	D1	C1	A1	A2	B1
HF-Performer Intelligent 2 14/21/24/39 TL5 EII 220-240V	4.2 mm	22 mm	360 mm	350 mm	30 mm

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## Photometric data

Ballast type	Lamp type	Lamp power	T <sub>a</sub> = 40°C	T <sub>a</sub> = 50°C	T <sub>a</sub> = 60°C	Remarks	
HF-R 2 1421/2539 TL5 BI 220-240V	TL5 HE	16W				T <sub>a</sub> max = 61°C	
	TL5 HE	21W					
	TL5 HO	24W					
	TL5 HO	39W					
	TL5 HE ECO	13W					
	TL5 HE ECO	19W					
	TL5 HO ECO	20W					
	TL5 HO ECO	34W					
	TL5 HO ECO	34W	T <sub>c</sub> = -54°C	-45°C	-74°C		72°C
	TL5 HO ECO	18W	Like same	100,000 Hrs	100,000 Hrs		100,000 Hrs
	TL-D General	36W					
	PL-L	18W					
	PL-L	24W					
	PL-L	36W					
	PL-L	48W					
	TL5-C	22W					
	TL5-C	40W					



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data subject to change