



HF-Performer Intelligent for TL5 HE/HO lamps

HF-Performer Intelligent 1 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	1 piece/unit
Number Of Products	18
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	-2%~+2%
Deviation	
Ballast Factor (Nom)	1.00
Power Losses (Nom)	1.9-2.5 W
Inrush Current Peak (Max)	20 A

• Wiring

Connector Type	Insert
Input Terminals	

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

• System characteristics

Rated Ballast-Lamp Power	14-39 W
Power Loss On TL5 HO	2.2/2.4 W
Lamp Power On TL5 HO	24.3/37.5 W
System Power On TL5 HO	26.5/39.9 W
Rated Lamp Power On TL5 HO	24/39 W
Rated Lamp Power On TL5 HE	14/21 W
System Power On TL5 HE	16.6/23.6 W
Lamp Power On TL5 HE	14.7/21.2 W
Power Loss On TL5 HE	1.9/2.4 W

PHILIPS

HF-Performer Intelligent for TL5 HE/HO lamps

• 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

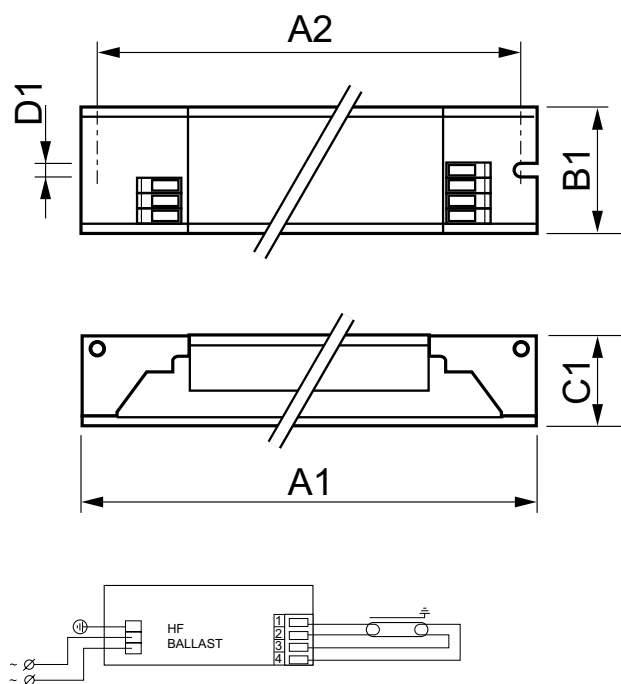
Energy Efficiency Index	A2
EMI 9 kHz ... 30 MHz	EN55015
EMI 30 MHz ... 1000 MHz	EN 55022 Class B
Safety Standard	IEC 61347-2-3
Performance Standard	IEC 60929
Quality Standard	ISO 9000:2000

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	871150091494130
Order product name	HF-Performer Intelligent 1 14/21/24/39 TL5 EII 220-240V
EAN/UPC - Product	8711500914941
Order code	913700624066
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913700624066
Net Weight (Piece)	0.247 kg

Dimensional drawing



HF-Pi 1 14/21/24/39 TL5 EII 220-240V

Product	D1	C1	A1	A2	B1
HF-Performer Intelligent 1 14/21/24/39 TL5 EII 220-240V	4.2 mm	22 mm	360 mm	350 mm	30 mm

HF-Performer Intelligent for TL5 HE/HO lamps

Photometric data

Ballast type	Lamp type	Lamp power	T _a = 40° C	T _a = 50° C	T _a = 60° C	Remarks
HF-R 1421/2529 TL5 BI 220-240V	TL5 HE	18W				T _a max = 63° 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	36W				
	TL5 HO ECO	36W				
	TL5 HO ECO	36W				
	TL5 HO ECO	36W				
	TL5 HO ECO	36W				
	TL5 HO ECO	36W				
	TL5 HO ECO	36W				
	TL5 HO ECO	36W				
	TL5 HO ECO	36W				
	TL5 HO ECO	36W				



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data subject to change