

HF-Performer Intelligent for TL5 HE/HO lamps

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

Intelligent, flat, slim, lightweight high-frequency electronic ballast for TL5 fluorescent lamps

Product data

• General Information

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

• Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Ignition Method	Warm Start
Crestfactor (Max)	1.7
Ignition Time (Max)	5.0 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
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 Input Terminals	Insert
Cable Capacity Output Wires Mutual (Nom)	70 pF
Connector Type Output Terminals	Insert
Cable Length Hot Wiring	0.75 m
Wire Striplength	8.0-9.0 mm
Input Terminal Cross Section	0.50-1.00 mm²
Output Terminal Cross Section	0.50-1.00 mm²
Cable Capacity Output Wires To Earth (Nom)	70 pF

• 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

- Emergency Operation

Battery Voltage Lamp Operation	198-276

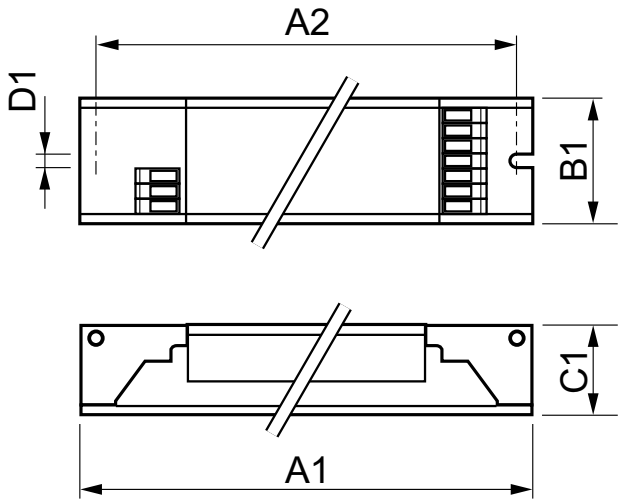
- Approval and Application

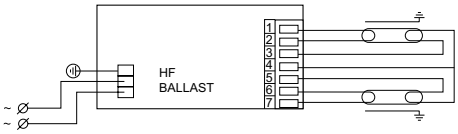
Energy Efficiency Index	A2
EMI 9 kHz ... 30 MHz	EN55015
EMI 30 MHz ... 1000 MHz	EN 55022 Class B
Safety Standard	IEC 61347-2-3
Performance Standard	IEC 60929
Quality Standard	ISO 9000:2000
Environmental Standard	ISO 14001
Harmonic Current Emission Standard	IEC 61000-3-2
EMC Immunity Standard	IEC 61547
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	91500930
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		Ta = 40°C	Ta = 50°C	Ta = 60°C	Remarks Ta max = 61°C
HF-Pi 2 14/21/25/39 TL5 EII 220-240V	TL5 HE	14W	Tc Lifetime	=54°C 100,000 Hrs	=65°C 100,000 Hrs	=74°C 100,000 Hrs	75°C 93,000 Hrs
	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					
	TL-D General	18W					
	TL-D General	36W					
	PL-L	18W					
	PL-L	24W					
	PL-L	36W					
	PL-L	40W					
	TL5-C	22W					
	TL5-C	40W					

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2015, December 23
data subject to change