

HF-Performer Intelligent for TL5 HE/HO lamps

HF-Performer Intelligent 1 28/35/49/54 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	1 piece/unit
Number Of Products On MCB (16A Type B) (Nom)	18
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)	4.8-7.0 W
Inrush Current Peak (Max)	20 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	28-54 W
Rated Lamp Power On TL5	28/35/49/54 W
System Power On TL5	37.9/44.4/56.8/62.6 W
Lamp Power On TL5	30.9/39.8/52.6/57.8 W
Power Loss On TL5	7/4.6/4.2/4.8 W

• 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

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T-Ignition (Max)	50 °C
T-Ignition (Min)	-25 °C

• Mechanical and Housing

Housing	L360x30x22

• Emergency Operation

Battery Voltage Lamp Operation	198-276

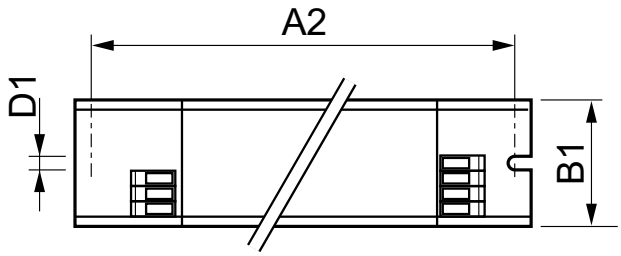
• Approval and Application

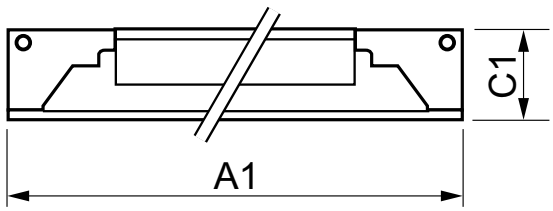
Energy Efficiency Index	A2
EMI 9 kHz ... 30 MHz	EN55015
EMI 30 MHz ... 1000 MHz	EN 55022 Class B
Safety Standard	IEC 61347-2-3
Performance Standard	IEC 60929
Quality Standard	ISO 9000:2000
Environmental Standard	ISO 14001
Harmonic Current Emission Standard	IEC 61000-3-2
EMC Immunity Standard	IEC 61547
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

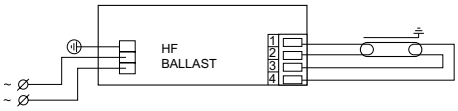
• Product Data

Full product code	871150091496530
Order product name	HF-Performer Intelligent 1 28/35/49/54 TL5 EII 220-240V
EAN/UPC - Product	8711500914965
Order code	91496530
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913700624166
Net Weight (Piece)	0.247 kg

Dimensional drawing







HF-Pi 1 28/35/49/54 TL5 EII 220-240V

Product	D1	C1	A1	A2	B1
HF-Performer Intelligent 1 28/35/49/54 TL5 EII 220-240V	4.2 mm	22 mm	360 mm	350 mm	30 mm

Photometric data

Ballast type	Lamp type	Lamp power		Ta = 40°C	Ta = 50°C	Ta = 60°C	Remarks Ta max = 62°C
HF-Pi 1 28/35/49/54 TL5 EII 220-240V	TL5 HE	28W					
	TL5 HE	35W					
	TL5 HO	49W					
	TL5 HE ECO	25W	Tc	=54°C	=63°C	=73°C	75°C
	TL5 HE ECO	32W	Lifetime	100,000 Hrs	100,000 Hrs	100,000 Hrs	88,000 Hrs
	TL5 HO ECO	45W					
	TL5 HO ECO	50W					
	TL-D	58W					
	Lamp type	Lamp power		Ta = 40°C	Ta = 50°C	Ta = 60°C	Remarks Ta max = 58°C
	TL5 HO	54W					
	PL-L	55W	Tc	=56°C	=66°C	x	75°C
	TL5-C	60W	Lifetime	100,000 Hrs	100,000 Hrs	x	71,000 Hrs



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data subject to change