

HF-Performer III for TL5 lamps

HF-P 280 TL5/PL-L III 220-240V 50/60Hz

HF-Performer III TL5 ballasts offer maximum versatility and meet all of the necessary commercial grade specifications. They also offer the added benefits of lamp striation reduction technology, making these ballasts compatible with energy-saving TL5 ECO lamps. As such, these ballasts are part of an overall high-efficiency lighting system that may help you or your customers to achieve any international or local energy code you need to comply with. HF-Performer III TL5 ballasts are the ideal choice for a broad range of new construction and retrofit applications within the commercial sector, including general surface mounting or office lighting, parking garages, warehouses, waterproof and other applications.

Product data

• General Information

Application Code	III
Type Version	mk1
Lamp Type	TL5/PL-L
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
Operating Frequency (Nom)	45 kHz
Ignition Method	Warm Start
Crestfactor (Max)	1.7
Power Factor 100% Load (Nom)	0.99
Ignition Time (Max)	1.2 s
Mains Voltage Performance (AC)	-8%-+6%
Mains Voltage Safety (AC)	-10%-+10%
Earth Leakage Current (Nom)	0.5 mA
Inrush Current Width	0.40 ms
Constant Wattage Deviation	-2%/+2%
Ballast Factor (Nom)	1.01
Power Losses (Nom)	9.64-7.45 W
Inrush Current Peak (Max)	40 A

• Wiring

Connector Type Input Terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Cable Capacity Output Wires Mutual (Nom)	200 pF
Connector Type Output Terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Cable Length Hot Wiring	0.75 m
Wire Striplength	8.0-9.0 mm
Dual Fixture Master/ Slave	Not applicable [Master/Slave oper. not applicable]
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)	200 pF

• System characteristics

Rated Ballast-Lamp Power	80 W

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Rated Lamp Power On PL-L	80 W
System Power On PL-L	87.5 W
Lamp Power On PL-L	80 W
Power Loss On PL-L	7.5 W
Rated Lamp Power On TL5	80 W
System Power On TL5	89.6 W
Lamp Power On TL5	80 W
Power Loss On TL5	9.6 W

- Temperature

T-Ambient (Max)	60 °C
T-Ambient (Min)	-25 °C
T-Storage (Max)	50 °C
T-Storage (Min)	-40 °C
T-Case Lifetime (Nom)	85 °C
T-Case Maximum (Max)	85 °C
T-Ignition (Max)	60 °C
T-Ignition (Min)	-25 °C

- Mechanical and Housing

Housing	L 425x30x21

- Emergency Operation

Nominal Light Output After 60 Seconds	100% of EBLF
Battery Voltage Lamp Ignition	186-275 V
Normal Operating Voltage (DC)	220-240 V
Battery Voltage Lamp Operation	176-275
Battery Voltage Guaranteed Operation	176-275 V
Battery Voltage Guaranteed Ignition	186-275 V
Emergency Ballast Lumen Factor (EBLF) (Nom)	0.7 %
Nominal Light Output After 5 Seconds	50% of EBLF

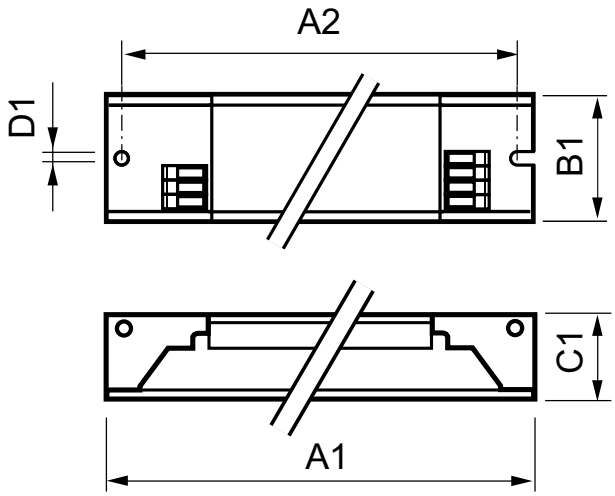
- Approval and Application

Energy Efficiency Index	A2 BAT
EMI 9 kHz ... 30 MHz	EN 55015 edition 7.1
EMI 30 MHz ... 1000 MHz	Level = Class
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	< 30 dB(A)

- Product Data

Full product code	872790095230800
Order product name	HF-P 280 TL5/PL-L III 220-240V 50/60Hz
EAN/UPC - Product	8727900952308
Order code	95230800
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913713034366
Net Weight (Piece)	0.360 kg

Dimensional drawing

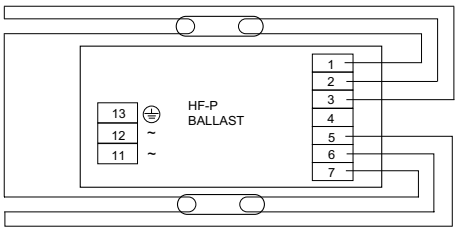


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Product	D1	C1	A1	A2	B1
HF-P 280 TL5/PL-L III 220-240V 50/60Hz	4.2 mm	21.0 mm	425.0 mm	415.0 mm	30.0 mm

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Dimensional drawing



Photometric data

Ballast type	Lamp type	Lamp power		Ta = 40°C	Ta = 50°C	Ta = 60°C	Remarks Ta max = 50°C
	TL5 HO	80W	Tc	=65°C	=75°C	=83°C	X
HF-P 280 TL5/PL-L II 220-240V 50/60Hz	TL5 HO ECO PL-L	73W 80W	Lifetime	100,000 Hrs	95,000 Hrs	57,000 Hrs	X

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