



HF-Performer Intelligent for TL5 HE/HO lamps

HF-Performer Intelligent 1 28/35/49/54 TL5 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 Characteristics

Application code	EII
Rated Lamptype	TL5
Rated Number of Lamps	1 piece
Rated Ballast-Lamp Power	28-54
Line Voltage	220-240 V
Line Frequency	50/60 Hz
Housing	L 360x30x22
Energy Efficiency Index	A2
Lifetime 90% surv.@Tcaselife	50000 hr
Ignition Method	Warm Start

• Operating Characteristics

Automatic restart	Yes
Ignition time	5.0 (max) s
Mains voltage safety (AC)	-10%/+10%
Mains voltage performance (AC)	-8%/+6%
Inrush current Peak	20 (max) A
Inrush current Width	0.35 ms
Earth leakage current	0.5 (max) mA
Power losses gear	4.8-7.0 W
Constant wattage deviation	-2%/+2%
Ballast Lumen Factor	1.00 -
Battery voltage running lamps	198-276
Max ballast on MCB(16A type B)	18 x
Crestfactor	1.7 (max) -
Hum and Noise level	Inaudible

• Wiring Characteristics

Cable-Cap output-wires to earth	70 pF
Cable-Cap output-wires mutual	70 pF
Conn.type input terminals	Insert
Conn.type output terminals	Insert
Max. cable length	0.75 m
Hot Wires	
Striplength	8.0-9.0 mm
Wcs Input terminals	0.50-1.00 mm ²
Wcs Output terminals	0.50-1.00 mm ²

• System Chars on driver level

Rated Lamp Power on TL5	28/35/49/54
System Power on TL5	37.9/44.4/56.8/62.6
Lamp Power on TL5	30.9/39.8/52.6/57.8
Power Loss on TL5	7/4.6/4.2/4.8

• Temperature Characteristics

T-case life	75 C
T-case maximum	75 (max) C
T-ignition	-25 (min), 50 (max) C
T-ambient	-25 (min), 50 (max) C
T-storage	-40 (min), 80 (max) C



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• Product Dimensions

Length A1	360 mm
Fixing Hole Distance	350 mm
Length A2	
Width B1	30 mm
Height C1	22 mm
Fixing Hole Diameter	4.2 mm
D1	

• Approval & Application Chars

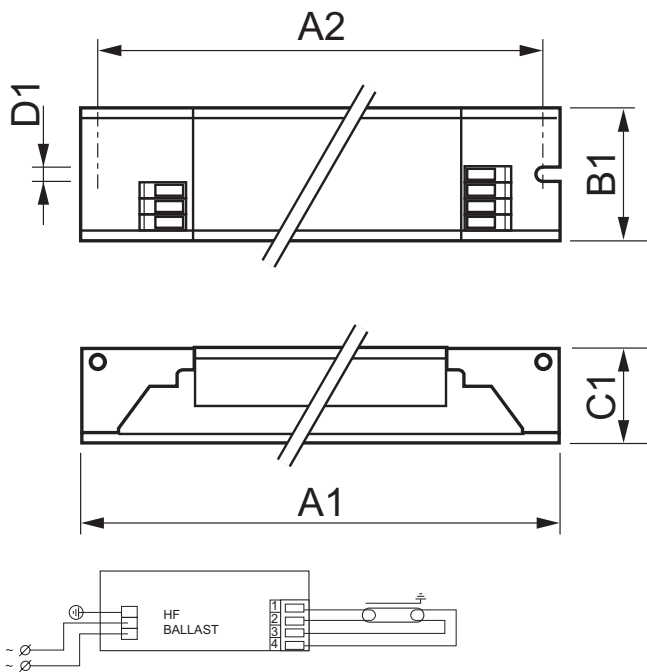
EMI 9kHz .. 30 MHz	EN 55015
EMI 30 MHz .. 1000MHz	EN 55022 Class B
Safety Standard	IEC 61347-2-3
Performance Standard	IEC 60929
Quality Standard	ISO 9000:2000
Environmental Standard	ISO 14001
Harmonic current emissions	IEC 61000-3-2
EMC Immunity	IEC 61547
Vibrations	IEC 68-2-6 Fc

Bumps	IEC 68-2-29 Eb
Humidity	EN 61347-2-3 clause 11
Approval marks	ENEC / VDE-EMV
CE marking	Yes
Temperature marking	110 [Yes]
Emergency standard	IEC 60598-2-22

• Product Data

Order code	913700624166
Full product code	913700624166
Full product name	HF-Pi 1 28/35/49/54 TL5 EII 220-240V
Order product name	HF-Pi 1 28/35/49/54 TL5 EII 220-240V
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500914965
Bar code on outerbox - EAN3	8711500914972
Logistic code(s) - 12NC	913700624166
Net weight per piece	0.247 kg

Dimensional drawing



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Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	C1 (Norm)	D1 (Norm)
HF-Pi 1 28/35/49/54 TL5 EII 220-240V	360	350	30	22	4.2

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Photometric data

Ballast type	Lamp type	Lamp power		T _a = 40°C	T _a = 50°C	T _a = 60°C	Remarks T _a max = 62°C
HF-Pi I 28/35/49/54 TL5 EII 220-240V	TL5 HE	28W					
	TL5 HE	35W					
	TL5 HO	49W					
	TL5 HE ECO	25W	T _c	=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		T _a = 40°C	T _a = 50°C	T _a = 60°C	Remarks T _a max = 58°C
	TL5 HO	54W					
PL-L	55W	T _c	=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