



HF-Performer III for TL5 lamps

HF-P 154/155 TL5 HO/PL-L III IDC

HF-Performer III TL5 is a sustainable, slim and high-frequency electronic ballast for TL5 and TL5 Eco fluorescent lamps. It is ideal for applications where high energy efficiency is required. The HF-Performer III range has a robust design, meets all relevant international safety and performance standards and is energy-efficient (CELMA EEI A2 BAT).

Product data

• General Characteristics

Rated Number of Lamps	1 piece
Rated Ballast-Lamp Power	54/55
Rated Lamptype	TL5 HO/PL-L
Application code	III
Line Voltage	220-240 V
Line Frequency	50/60 Hz
Housing	L 360x30x22
Ignition Method	Programmed Start
Lifetime 90% surv.@Tcaselife	50000 hr
Energy Efficiency Index	A2 BAT

• Operating Characteristics

Automatic restart	Yes
Battery voltage running lamps	176-254
Battery voltage lamp ignition	198-254 V
Constant wattage deviation	-2%/+2%
Inrush current Peak	24 (max) A
Inrush current Width	0.25 ms
Max ballast on MCB(16A type B)	28 x
Earth leakage current	0.5 mA
Mains voltage safety (AC)	-10%/+10%
Mains voltage performance (AC)	-8%/+6%
Overvoltage protection 320Vac	48 hr

Overvoltage protection 350Vac	2 hr
PowerFactor 100% output power	0.99 -
Power losses gear	4.5-4.0 W
Preheat time	0.5 s
Ballast Lumen Factor	0.925 -
Crestfactor	1.7 (max) -
Ignition time	0.9 (max) s
Operating frequency	46 kHz
Hum and Noise level	< 30 dB(A)

• Wiring Characteristics

Cable-Cap output-wires to earth	200 pF
Cable-Cap output-wires mutual	200 pF
Conn.type input terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Conn.type output terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Max. cable length	0.75 m
Hot Wires	
Striplength	8.0-9.0 mm
Dual fixture Master/Slave	Not applicable [Master/Slave oper. not applicable]
Wcs Input terminals	0.50-1.00 mm ²
Wcs Output terminals	0.50-1.00 mm ²

• Temperature Characteristics

T-case life	75 C
T-case maximum	75 (max) C



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T-ignition	-25 (min), 60 (max) C
T-ambient	-25 (min), 60 (max) C
T-storage	-40 (min), 80 (max) C

• Product Dimensions

Length A1	360.0 mm
Fixing Hole Distance	350.0 mm
Length A2	
Width B1	30.0 mm
Height C1	22.0 mm
Fixing Hole Diameter	4.2 mm
D1	

• Approval & Application Chars

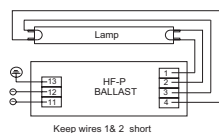
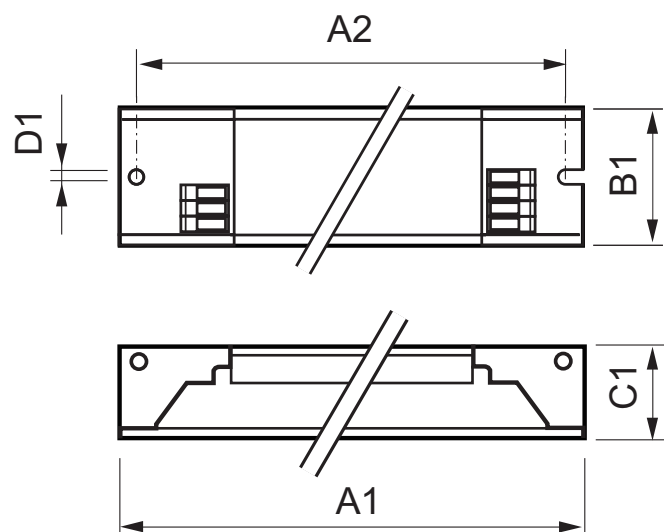
EMI 9kHz .. 30 MHz	EN 55015 edition 7.1
EMI 30 MHz .. 1000MHz	- [Not specified]
Safety Standard	IEC 61347-2-3
Performance Standard	IEC 60929
Quality Standard	ISO 9000:2000
Environmental Standard	ISO 14001
Harmonic current emissions	IEC 61000-3-2

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	913713028264
Full product code	913713028264
Full product name	HF-P 154/155 TL5 HO/PL-L III IDC
Order product name	HF-P 154/155 TL5 HO/PL-L III IDC
Pieces per pack	1
Packs per outerbox	12
Bar code on pack - EAN1	8718291168744
Bar code on outerbox - EAN3	8718291168751
Logistic code(s) - 12NC	913713028264
Net weight per piece	0.252 kg

Dimensional drawing



Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	C1 (Norm)	D1 (Norm)
HF-P 154/155 TL5 HO/PL-L III IDC	360.0	350.0	30.0	22.0	4.2

Photometric data

Ballast type	Lamp type	Lamp power	T _a = 40°C	T _a = 50°C	T _a = 60°C	Remarks
HF-P 154/155 TL5 HO/PL-L III 220-240V 50/60Hz	TL5 HO PL-L	54W 35W	T _c	~56°C ~66°C	X X	~75°C ~85°C
			Lifetime	100,000 Hrs	100,000 Hrs	30,000 Hrs



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data subject to change