HF-Performer III for TL-D lamps

HF-P 236 TL-D III 220-240V 50/60Hz IDC

HF-Performer III TLD is a sustainable, slim and high-frequency electronic ballast for TL-D 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).

Product data

• General Characteristics

Application code	III
Rated Lamptype	TL-D
Rated Number of Lamps	2 piece
Rated Ballast-Lamp Power	36
Line Voltage	220-240 V
Line Frequency	50/60 Hz
Housing	L 280x30x28
Energy Efficiency Index	A2 BAT
Lifetime 90% surv.@Tcaselife	50000 hr
Ignition Method	Programmed Start

• Operating Characteristics

Automatic restart	Yes
Ignition time	0.9 (max) s
Operating frequency	45 kHz
Mains voltage safety (AC)	-10%/+10%
Mains voltage performance (AC)	-8%/+6%
Inrush current Peak	18 (max) A
Inrush current Width	0.25 ms
Earth leakage current	0.5 mA
Power losses gear	5.5 W
Constant wattage deviation	-2%/+2%
Ballast Lumen Factor	0.96 -
PowerFactor 100% output power	0.98 -
Battery voltage lamp ignition	186-275 V
Battery voltage running lamps	186-275
Overvoltage protection 320Vac	48 hr
Overvoltage protection 350Vac	2 hr
Max ballast on MCB(16A type B)	28 x
Crestfactor	1.7 (max) -
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 Hot Wires	0.75 m
Striplength	8.0-9.0 mm
Dual fixture Master/ Slave	Not applicable [Master/Slave oper. not applicable]
Wcs Input terminals	0.50-1.00 mm2
Wcs Output terminals	0.50-1.00 mm2

• System Chars on driver level

Rated Lamp Power on TL-D	36

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HF-Performer III for TL-D lamps

System Power on TL-D	68
Lamp Power on TL-D	62.5
Power Loss on TL-D	5.5

• Temperature Characteristics

T-case life	80 C
T-case maximum	80 (max) C
T-ignition	-25 (min), 60 (max) C
T-ambient	-25 (min), 60 (max) C
T-storage	-40 (min), 50 (max) C

• Emergency Characteristics

Bal Lm Fac Emergency operation	0.7 -
Light output after 5 sec	50% of EBLF
Light output after 60 sec	100% of EBLF
Normal operating voltage (DC)	220-240 V
Batt volt guaranteed ignition	186-275 V
Batt volt guaranteed operation	176-275 V

• Product Dimensions

Length A1	280.0 mm
Fixing Hole Distance Length A2	265.0 mm
Width B1	30.0 mm
Height C1	28.0 mm
Fixing Hole Diameter D1	4.2 mm

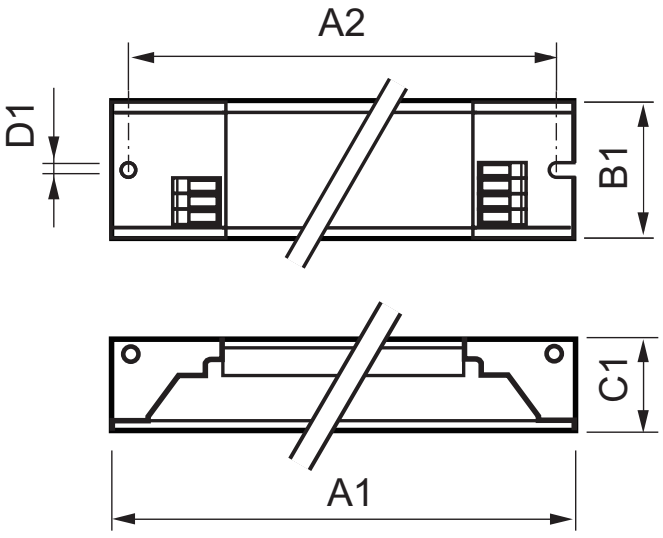
• Approval & Application Chars

EMI 9kHz .. 30 MHz	EN 55015
EMI 30 MHz .. 1000MHz	EN 55022 level B [Level = Class]
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	911664 00
Full product code	872790091166400
Full product name	HF-P 236 TL-D III 220-240V 50/60Hz IDC
Order product name	HF-P 236 TL-D III 220-240V 50/60Hz IDC
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500999665
Bar code on outerbox - EAN3	8727900911664
Logistic code(s) - 12NC	913713031666
Net weight per piece	0.203 kg

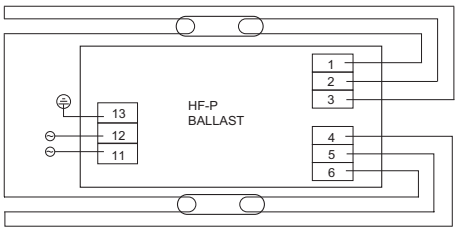
Dimensional drawing



HF-P 236 TL-D III 220-240V 50/60Hz IDC

Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	C1 (Norm)	D1 (Norm)
HF-P 236 TL-D III 220-240V 50/60Hz IDC	280.0	265.0	30.0	28.0	4.2

Dimensional drawing



HF-P 2 TL-D/TL5 (keep wires 1;2 & 5;6 short)

Photometric data

Ballast type

HF-P 236 TL-D III 220-240V 50/60Hz

www.philips.com/lighting

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data subject to change