



# HF-Performer III for TL-D lamps

HF-P 136 TL-D III 220-240V 50/60Hz IDC

HF-Performer III TL-D 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 BAT).

## Product data

### • General Characteristics

Rated Number of Lamps	1 piece
Rated Ballast-Lamp Power	36
Rated Lamptype	TL-D
Application code	III
Line Voltage	220-240 V
Line Frequency	50/60 Hz
Housing	L 280x30x28
Ignition Method	Programmed Start
Lifetime 90% surv.@Tcaselife	50000 hr
Energy Efficiency Index	A2 BAT

### • Operating Characteristics

Automatic restart	Yes
Battery voltage running lamps	186-275
Battery voltage lamp ignition	186-275 V
Constant wattage deviation	-2%/+2%
Inrush current Peak	18 (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	0.98 -
Power losses gear	3.5 W
Ballast Lumen Factor	1 -
Crestfactor	1.7 (max) -
Ignition time	0.9 (max) s
Operating frequency	45 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 <sup>2</sup>
Wcs Output terminals	0.50-1.00 mm <sup>2</sup>

### • Temperature Characteristics

T-case life	80 C
T-case maximum	80 (max) C
T-ignition	-25 (min), 60 (max) C



asimpleswitch.com

# PHILIPS

# HF-Performer III for TL-D lamps

T-ambient	-25 (min), 60 (max) C
T-storage	-40 (min), 50 (max) C

### • Emergency Characteristics

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

### • Product Dimensions

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

### • Approval & Application Chars

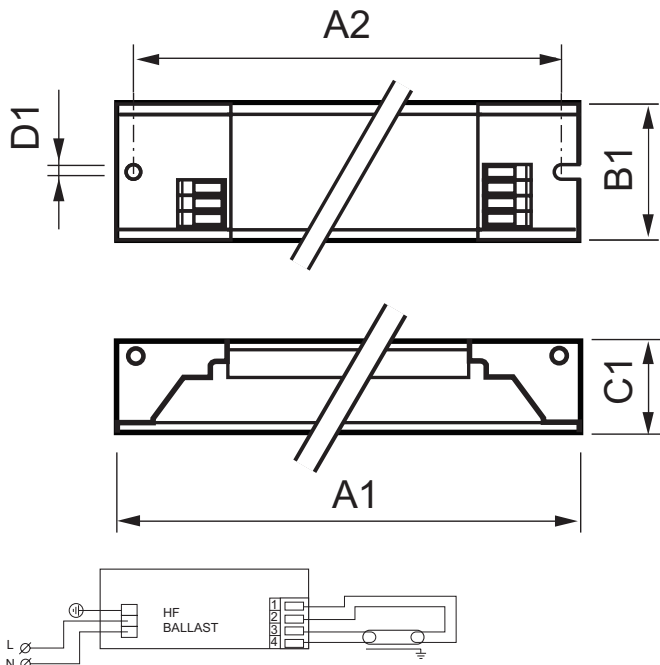
EMI 9kHz .. 30 MHz	EN 55015
EMI 30 MHz .. 1000MHz	EN 55022 level B [Level = Class]
Safety Standard	IEC 61347-2-3
Performance Standard	IEC 60929

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	913713031566
Full product code	913713031566
Full product name	HF-P 136 TL-D III 220-240V 50/60Hz IDC
Order product name	HF-P 136 TL-D III 220-240V 50/60Hz IDC
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500999641
Bar code on outerbox - EAN3	8727900911640
Logistic code(s) - 12NC	913713031566
Net weight per piece	0.202 kg

## Dimensional drawing



## HF-P 136 TL-D III 220-240V 50/60Hz IDC

Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	C1 (Norm)	D1 (Norm)
HF-P 136 TL-D III 220-240V 50/60Hz IDC	280.0	265.0	30.0	28.0	4.2

## Photometric data

Ballast type	Lamp type	Lamp power	T <sub>a</sub>	T <sub>b</sub> = 45°C	T <sub>b</sub> = 55°C	T <sub>b</sub> = 65°C	T <sub>b</sub> = 70°C
HF-P 136 TL-D III 220-240V 50/60Hz	TL-D General	36W	T <sub>e</sub> Lifetime	>155°C 100,000 Hrs	>145°C 100,000 Hrs	>135°C 80,000 Hrs	X X

HF-P 136 TL-D III



© 2013 Koninklijke Philips N.V. (Royal Philips)  
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

[www.philips.com/lighting](http://www.philips.com/lighting)

2013, June 27  
data subject to change