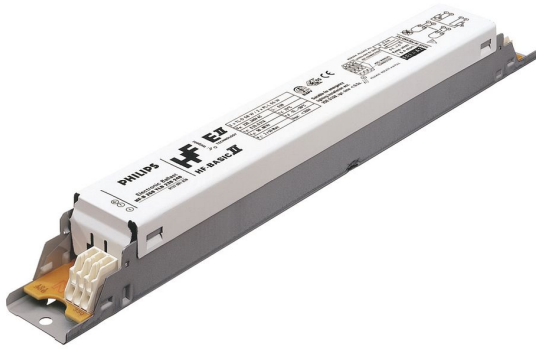


HF-Basic II for TL-D lamps

HF-Basic 236 TL-D EII 220-240V 50/60Hz



Affordable, reliable, CE complying, high frequency electronic ballast for TLD fluorescent lamps Ideal alternative for electromagnetic (EM) ballasts

Product data

• General Characteristics

Application code	EII
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	-
Energy Efficiency Index	A2
Lifetime 90% surv.@Tcaselife	50000 hr
Ignition Method	Cold Start

• Operating Characteristics

Automatic restart	Yes
Ignition time	0.5 (max) s
Operating frequency	42 (min), 45 (nom) 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	4.0 W
Constant wattage deviation	-2%/+2%
Ballast Lumen Factor	0.95 -
PowerFactor 100% output power	0.96 -
Battery voltage lamp ignition	198-254 V

Battery voltage running lamps	176-254
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	Inaudible
Total Harmonic Distortion EUR	15 %

• Wiring Characteristics

Cable-Cap output-wires to earth	120 pF
Cable-Cap output-wires mutual	120 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 Device/Lamp	2.00 m
Max. cable length Hot Wires	0.75 m
Striplength	8.0-9.0 mm
Dual fixture Master/Slave	Yes [Master/Slave operation possible]
Wcs Input terminals	0.50-1.00 mm2
Wcs Output terminals	0.50-1.00 mm2
Wcs auto insertion (ALF/ADS)	0.5 mm2

PHILIPS

HF-Basic II for TL-D lamps

• System Chars on driver level

Rated Lamp Power on TL-D	36
System Power on TL-D	36.5
Lamp Power on TL-D	32
Power Loss on TL-D	4.5

• Temperature Characteristics

T-case life	75 C
T-case maximum	75 (max) C
T-ignition	-15 (min), 50 (max) C
T-ambient	-15 (min), 50 (max) C
T-storage	-40 (min), 80 (max) C

• 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

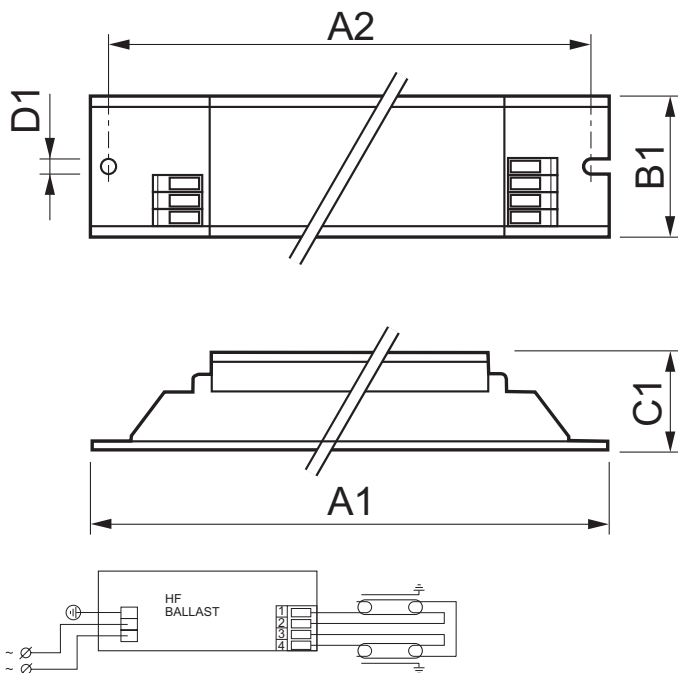
EMI 9kHz .. 30 MHz	EN 55015
EMI 30 MHz .. 1000MHz	EN 55022 level A [Level = Class]

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	913700192866
Full product code	913700192866
Full product name	HF-B 236 TL-D EII 220-240V 50/60Hz
Order product name	HF-B 236 TL-D EII 220-240V 50/60Hz
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500931580
Bar code on outerbox - EAN3	8711500931597
Logistic code(s) - 12NC	913700192866
Net weight per piece	0.215 kg

Dimensional drawing



HF-Basic 236 TL-D EII 220-240V 50/60Hz

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



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data subject to change