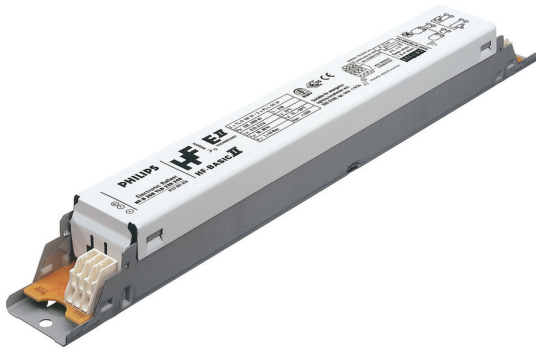


HF-Basic II for TL-D lamps

HF-B 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 Information

Application Code	EII
Type Version	mk1
Lamp Type	TL-D
Number Of Lamps	2 piece/unit
Number Of Products On MCB (16A Type B) (Nom)	28
Automatic Restart	Yes

• Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50-60_1 Hz
Operating Frequency (Max)	- kHz
Operating Frequency (Min)	42 kHz
Operating Frequency (Nom)	45 kHz
Ignition Method	Cold Start
Crestfactor (Max)	1.7
Power Factor 100% Load (Nom)	0.96
Ignition Time (Max)	0.5 s
Mains Voltage Performance (AC)	-8%+6%
Mains Voltage Safety (AC)	-10%+10%
Earth Leakage Current (Nom)	0.5 mA
Inrush Current Width	0.25 ms
Constant Wattage Deviation	-2%/+2%
Ballast Factor (Nom)	0.95
Power Losses (Nom)	4.0 W

Inrush Current Peak (Max) 18 A

• Wiring

Connector Type Input Terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Cable Capacity Output Wires Mutual (Nom)	120 pF
Connector Type Output Terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Cable Length From Device To Lamp	2.00 m
Cable Length Hot Wiring	0.75 m
Wire Striplength	8.0-9.0 mm
Dual Fixture Master/Slave	Yes [Master/Slave operation possible]
Input Terminal Cross Section	0.50-1.00 mm ²
Output Terminal Cross Section	0.50-1.00 mm ²
Auto Insert (ALF/ADS) Wire Cross Section	0.5 mm ²
Cable Capacity Output Wires To Earth (Nom)	120 pF

• System characteristics

Rated Ballast-Lamp Power 36 W

PHILIPS

HF-Basic II for TL-D lamps

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

EMI 9 kHz ... 30 MHz	EN55015
EMI 30 MHz ... 1000 MHz	Level = Class
Safety Standard	IEC 61347-2-3
Performance Standard	IEC 60929
Quality Standard	ISO 9000:2000
Environmental Standard	ISO 14001
Harmonic Current Emission Standard	IEC 61000-3-2
EMC Immunity Standard	IEC 61547
Vibration Standard	IEC 68-2-6 Fc
Bumps Standard	IEC 68-2-29 Eb
Humidity Standard	EN 61347-2-3 clause 11
Temperature Marking	Yes
Emergency Standard	IEC 60598-2-22
Hum And Noise Level	Inaudible

• Temperature

T-Ambient (Max)	50 °C
T-Ambient (Min)	-15 °C
T-Storage (Max)	80 °C
T-Storage (Min)	-40 °C
T-Case Lifetime (Nom)	75 °C
T-Case Maximum (Max)	75 °C
T-Ignition (Max)	50 °C
T-Ignition (Min)	-15 °C

• Mechanical and Housing

Housing - [Not Specified]

• Emergency Operation

Battery Voltage Lamp Ignition	198-254 V
Battery Voltage Lamp Operation	176-254

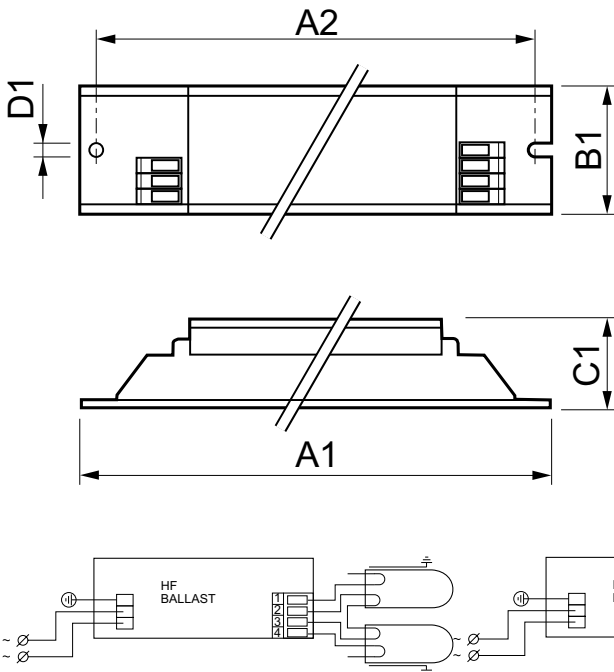
• Approval and Application

Energy Efficiency Index A2

• Product Data

Full product code	871150093158030
Order product name	HF-B 236 TL-D EII 220-240V 50/60Hz
EAN/UPC - Product	8711500931580
Order code	913700192866
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913700192866
Net Weight (Piece)	0.215 kg

Dimensional drawing



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

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



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2015, December 23
data subject to change