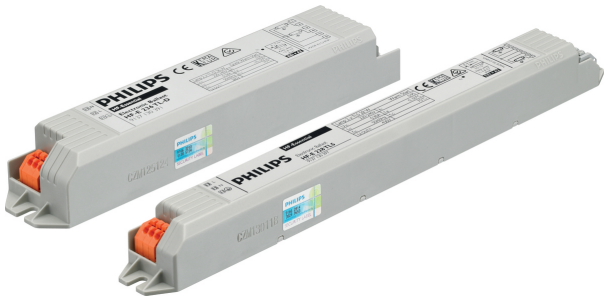


HF-Essential for TL5/TL-D

HF-E 128 TL5 220-240 50/60Hz

Essentially smart and reliableHF-Essential is the most cost-effective, slim and affordable ballast to reliably operate a fluorescent lamp. It is also the ideal entry-level product for EM system users who want to enjoy the benefits offered by electronic ballasts. The cost-saving and reliable HF-Essential has an energy efficiency class A2, and its robust design meets all relevant international safety and performance standards. HF- Essential is intended for use with indoor lighting fixtures such as recessed luminaires, which are largely used in office, industrial, hotel, restaurant and other applications.

Product data

• General Information

Lamp Type	TL5
Number Of Lamps	1 piece/unit
Automatic Restart	Yes

• Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Operating Frequency (Nom)	50 kHz
Crestfactor (Nom)	1.8
Power Factor 100% Load (Nom)	0.95
Mains Voltage Performance (AC)	184...253V
Mains Voltage Safety (AC)	198...264V
Earth Leakage Current (Max)	0.5 mA
Inrush Current Width	0.3 ms
Ballast Factor (Nom)	1.04
Power Losses (Nom)	4.5 W
Inrush Current Peak (Max)	12 A

• Wiring

Connector Type Input Terminals	Insert
Cable Capacity Output Wires Mutual (Max)	120 pF
Connector Type Output Terminals	Insert
Cable Length Hot Wiring	0.75 m
Wire Striplength	8.0-9.0 mm
Dual Fixture Master/ Slave	Not applicable [Master/Slave oper. not applicable]
Input Terminal Cross Section	0.50-1.50 mm²
Output Terminal Cross Section	0.50-1.50 mm²
Cable Capacity Cold Output Wires - Earth (Max)	120 pF
Cable Capacity Hot Output Wires - Earth (Max)	120 pF

• System characteristics

Rated Ballast-Lamp Power	28 W
Rated Lamp Power On TL5	28 W
System Power On TL5	31.1/33.0/34.5 W
Lamp Power On TL5	27/28.3/29.8 W
Power Loss On TL5	4.1/4.7/4.7 W

• Temperature

T-Ambient (Max)	50 °C
T-Ambient (Min)	0 °C
T-Storage (Max)	80 °C
T-Storage (Min)	-20 °C
T-Case Lifetime (Nom)	75 °C
T-Case Maximum (Max)	75 °C

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HF-Essential for TL5/TL-D

- Mechanical and Housing

Housing	L 275x19.6x21.3

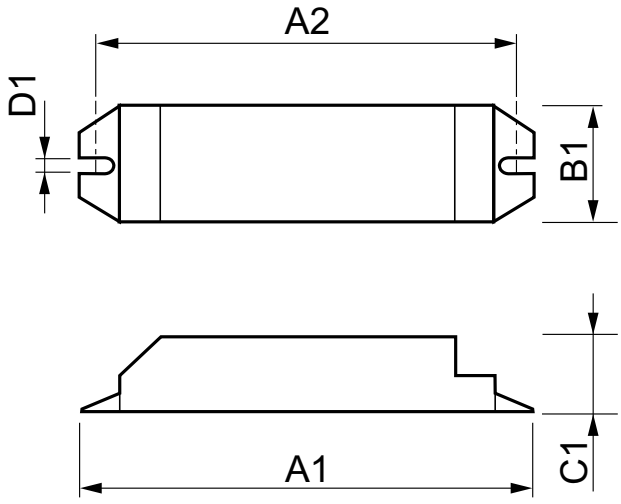
- Approval and Application

Energy Efficiency Index	A2
EMI 9 kHz ... 30 MHz	EN55015
Vibration Standard	IEC 60068-2-6:2007-Fc
Bumps Standard	IEC 60068-2-29:1993-Eb
Approval Marks	CE marking C-Tick certificate CB Certificate KEMA Keur certificate
	RoHS Compliant
Hum And Noise Level	< 30 dB(A)

- Product Data

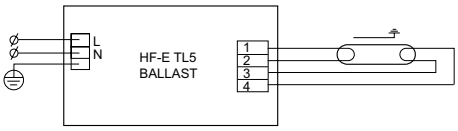
Full product code	871829166883100
Order product name	HF-E 128 TL5 220-240 50/60Hz
EAN/UPC - Product	8718291668831
Order code	66883100
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	50
Material Nr. (12NC)	913713039566
Net Weight (Piece)	0.050 kg

Dimensional drawing



HF-E 128 TL5 220-240V 50/60Hz

Product	D1	C1	A1	A2	B1
HF-E 128 TL5 220-240 50/60Hz	4.2 mm	21.3 mm	275.0 mm	263.0 mm	19.6 mm



HF-E TL5 1 Lamp

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2016, January 26
data subject to change