

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

# Wiring

Connector Type	Insert		
Input Terminals			
Cable Capacity	120 pF		
Output Wires Mutual			
(Max)			
Connector Type	Insert		
Output Terminals			

Cable Length Hot 0.75 m Wiring
Wire Striplength 8.0-9.0 mm Dual Fixture Master/ Not applicable [ Master/Slave oper. not applicable] Input Terminal Cross 0.50-1.50 mm<sup>2</sup> Section 0.50-1.50 mm<sup>2</sup> Output Terminal Cross Section Cable Capacity Cold 120 pF Output Wires - Earth (Max) Cable Capacity Hot 120 pF Output Wires - Earth (Max)

# • System characteristics

 Rated Ballast-Lamp
 28 W

 Power
 28 W

 Rated Lamp Power
 28 W

 On TL5
 31.1/33.0/34.5 W

 System Power On
 31.1/33.0/34.5 W

 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	75 °C
(Nom)	
T-Case Maximum	75 °C
(Max)	



# HF-Essential for TL5/TL-D

## • Mechanical and Housing

Housing L 275×19.6×21.3

#### • Approval and Application

Energy Efficiency

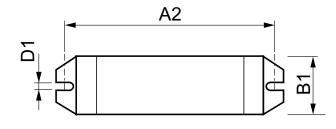
EMI 9 kHz ... 30 MHz EN55015

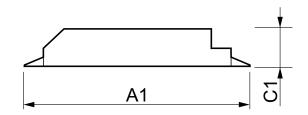
IEC 60068-2-6:2007-Fc Vibration Standard IEC 60068-2-29:1993-Eb Bumps Standard

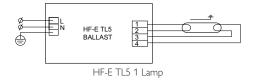
Approval Marks CE marking

C-Tick certificate **CB** Certificate KEMA Keur certificate

# Dimensional drawing







RoHS Compliant < 30 dB(A)

Hum And Noise Level

#### • Product Data

Full product code

871829166883100 HF-E 128 TL5 220-240 50/60Hz Order product name

EAN/UPC - Product 8718291668831 Order code 66883100

Numerator -Quantity Per Pack 50

Numerator - Packs per outer box

Material Nr. (12NC) 913713039566 Net Weight (Piece) 0.050 kg

## 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



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