



HF-Essential II for TL5/TL-D

HF-E 1/2 58 TL-D II 220-240 50/60Hz

Essentially smart and reliable; HF-Essential II is the most cost-effective solution for reliably operation of a fluorescent lamp. It is also the ideal entry-level product for electromagnetic system users who want to take advantage of the benefits provided by electronic ballasts.; The cost-saving and reliable HF-Essential II is energy efficiency class A2, and its robust design meets all relevant international safety and performance standards.; HF-Essential II is the ideal choice for a broad range of new construction and retrofit applications within the commercial sector, including general surface mounting and office lighting, parking garages, warehouses and other applications.

Product data

General information	
Lamp type	TL-D II
Number of lamps	1/2 piece/unit
Number of products on MCB (16 A type B) (nom.)	20
Automatic restart	Yes
Operating and electrical	
Input Voltage	220 to 240 V
Input frequency	50 to 60 Hz
Operating frequency (nom.)	44.9 kHz
Crest factor (nom.)	1.8
Power factor 100% load (nom.)	0.98
Preheat time	1.7 s
Mains voltage performance (AC)	202-254V-8%-+6%
Mains voltage safety (AC)	198-264V-10%-+10%

Earth leakage current (max.)	0.5 mA
Inrush current width	0.3 ms
Ballast factor (nom.)	1.04
Power losses (nom.)	6.78/5.18 W
Inrush current peak (max.)	24 A
Efficiency at full load [%]	92.16 %
Wiring	
Connector type input terminals	Insert
Cable capacity output wires mutual (max.)	200 pF
Connector type output terminals	Insert
Cable length hot-wiring	0.75 m
Wire strip length	8.0-9.0 mm
Dual fixture master/slave	Possible, lamp wires 0.75m max. length [Master/Slave operation possible]
Input terminal cross section	0.50-1.50 mm ²

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Output terminal cross section	0.50-1.50 mm ²
Cable capacity cold output wires – earth (max.)	200 pF
Cable capacity hot output wires – earth (max.)	200 pF

System characteristics

Rated ballast-lamp power	58/55 W
Lamp power on TL-D	49.1-48.42-54.42 W

Temperature

T-ambient (max.)	50 °C
T-ambient (min.)	-10 °C
T-ambient (min.)	-10 °C
T storage (max.)	80 °C
T storage (min.)	-40 °C
T-case lifetime (nom.)	75 °C
T-case lifetime (nom.)	75 °C
T-Case maximum (max.)	75 °C

Mechanical and housing

Housing	L 211x40x28.7
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Emergency operation

Nominal light output after 60 seconds	100% of EBLF
Normal operating voltage (DC)	220-240 V
Battery voltage guaranteed operation	176-275 V

Battery voltage guaranteed ignition	186-275 V
Emergency ballast lumen factor (EBLF) (nom.)	100 %
Nominal light output after 5 seconds	50% of EBLF

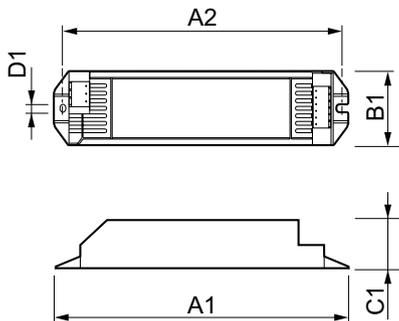
Approval and application

Energy efficiency index	A2
IP classification	IP 20 [Ingress Protection 20]
EMI 9 kHz ... 30 MHz	EN55015
Vibration standard	IEC60068-2-6_2007-Fc
Bumps standard	IEC 60068-2-29:1993-Eb
Approval marks	CE marking KEMA Keur certificate CB Certificate RoHS Compliant
Humming and noise level	< 30 dB(A)

Product data

Full product code	871829177064000
Order product name	HF-E 1/2 58 TL-D II 220-240V 50/60Hz
EAN/UPC – product	8718291770640
Order code	77064000
SAP numerator – quantity per pack	1
Numerator – packs per outer box	20
SAP material	913713040966
Net Weight (Piece)	0.155 kg

Dimensional drawing



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Product	D1	C1	A1	A2	B1
HF-E 1/2 58 TL-D II 220-240V 50/60Hz	4.2 mm	28.7 mm	211.0 mm	198.0 mm	40.0 mm

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