



HF-Selectalume II for TL-D lamps

HF-S 3/418 TL-D II 220-240V 50/60Hz

HF-Selectalume II TL-D is the most cost-effective, reliable and outstanding solution for fluorescent lamps. These ballasts are part of an overall high-efficiency lighting system that may help you or your customers to achieve any international or local energy code you need to comply with. HF-Selectalume II TL-D ballasts are the ideal choice for a broad range of new construction and retrofit applications within the commercial sector, including general surface mounting or office lighting, parking garages, warehouses, waterproof and other applications.

Product data

General Information		Electrical	
Application code	II	Earth leakage current (max.)	0.5 mA
Type version	mk1	Inrush current width	0.35 ms
Lamp type	TL-D	Ballast factor (nom.)	1.12
Number of lamps	3/4 piece/unit	Power losses (nom.)	6.5/12.0 W
Number of products on MCB (16 A type B) (nom.)	28	Inrush current peak (max.)	18 A
Automatic restart	Yes	Efficiency at full load [%]	92.1 %
Operating and Electrical		Wiring	
Input Voltage	220 to 240 V	Connector type input terminals	WAGO 744 connector
Input frequency	50 to 60 Hz	Cable capacity output wires mutual (max.)	120 pF
Operating frequency (nom.)	45 kHz	Connector type output terminals	WAGO 744 connector [Suitable for manual wiring]
Crest factor (nom.)	1.7	Cable length hot-wiring	0.75 m
Power factor 100% load (nom.)	0.98	Wire strip length	8.0-9.0 mm
Preheat time	1.6 s	Dual fixture master/slave	Possible, lamp wires 2m max. length [Master/Slave operation possible]
Mains voltage performance (AC)	202-254V-8%-+6%	Input terminal cross section	0.50-1.50 mm ²
Mains voltage safety (AC)	198-264V-10%-+10%	Output terminal cross section	0.50-1.50 mm ²

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Cable capacity cold output wires – earth (max.)	120 pF
Cable capacity hot output wires – earth (max.)	120 pF

System characteristics

Rated ballast-lamp power	18 W
Rated lamp power on TL-D	18 W
System power on TL-D	58.8/78.0 W
Lamp power on TL-D	52.3/66.0 W
Power loss on TL-D	6.5/12 W

Temperature

T-ambient (max.)	50 °C
T-ambient (min.)	-20 °C
T storage (max.)	80 °C
T storage (min.)	-40 °C
T-case lifetime (nom.)	75 °C
T-Case maximum (max.)	75 °C

Mechanical and Housing

Housing	L 280x39x28
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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

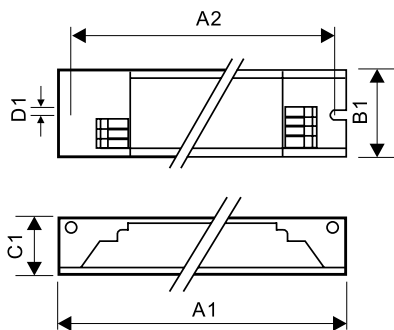
Approval and Application

Energy efficiency index	A2/A2BAT
IP classification	IP 20 [Ingress Protection 20]
EMI 9 kHz ... 30 MHz	EN55015
Vibration standard	IEC68-2-6 F c
Bumps standard	IEC 68-2-29 Eb (10G/16ms)
Approval marks	F-Marking CE marking ENEC certificate CCC certificate C-Tick certificate PSB certification TISI marking SIRIM approval CB Certificate CCC certificate VDE-EMV certificate
Humming and noise level	< 30 dB(A)

Product Data

Full product code	872790090555700
Order product name	HF-S 3/4 18 TL-D II 220-240V 50/60Hz
EAN/UPC – product	8711500999320
Order code	90555700
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	913713032666
SAP net weight (piece)	0.228 kg

Dimensional drawing



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