



# HF-Selectalume II for TL5 lamps

## HF-S 249 TL5 II 220-240V 50/60Hz

HF-Selectalume II TL5 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 TL5 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	
Application code	II
Type version	mk1
Lamp type	TL5
Number of lamps	2 piece/unit
Number of products on MCB (16 A type B) (nom.)	12
Automatic restart	Yes
Operating and electrical	
Input Voltage	220 to 240 V
Input frequency	50 to 60 Hz
Operating frequency (nom.)	46 kHz
Crest factor (nom.)	1.7
Power factor 100% load (nom.)	0.98
Preheat time	1.6 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	0.35 ms
Ballast factor (nom.)	1.09
Power losses (nom.)	9.5 W
Inrush current peak (max.)	28 A
Efficiency at full load [%]	90 %
Wiring	
Connector type input terminals	WAGO 744 connector
Cable capacity output wires mutual (max.)	200 pF
Connector type output terminals	WAGO 744 connector [ Suitable for manual wiring]
Cable length hot-wiring	0.75 m
Wire strip length	8.0-9.0 mm
Dual fixture master/slave	Possible, lamp wires 2m max. length [ Master/Slave operation possible]
Input terminal cross section	0.50-1.50 mm <sup>2</sup>
Output terminal cross section	0.50-1.50 mm <sup>2</sup>

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Cable capacity cold output wires – earth (max.)	200 pF
Cable capacity hot output wires – earth (max.)	200 pF

### System characteristics

Rated ballast-lamp power	49 W
Rated lamp power on TL5	49 W
System power on TL5	109.7 W
Lamp power on TL5	100.2 W
Power loss on TL5	9.5 W

### Temperature

T-ambient (max.)	50 °C
T-ambient (min.)	-20 °C
T-ambient (min.)	-20 °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 280x30x21
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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 BAT
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
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	872790090560100
Order product name	HF-S 249 TL5 II 220-240V 50/60Hz
EAN/UPC – product	8711500999368
Order code	90560100
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	913713033566
Net Weight (Piece)	0.225 kg

## Dimensional drawing

A2

Product	D1	C1	A1	A2	B1
HF-S 249 TL5 II 220-240V 50/60Hz	4.1 mm	21.5 mm	280.0 mm	265.0 mm	30.0 mm

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