



# HF-Selectalume II for TL5 lamps

HF-S 3/424 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	3/4 piece/unit
Number Of Products On MCB (16A Type B) (Nom)	15
Automatic Restart	Yes

### • Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50-60_1 Hz
Operating Frequency (Nom)	45 kHz
Crestfactor (Nom)	1.7
Power Factor 100% Load (Nom)	0.98
Preheat Time	1.6 s
Mains Voltage	202-254V-8%+6%
Performance (AC)	
Mains Voltage Safety (AC)	198-264V-10%-+10%
Earth Leakage Current (Max)	0.5 mA
Inrush Current	0.35 ms
Width	
Ballast Factor (Nom)	1.11
Power Losses (Nom)	10.5/19 W
Inrush Current Peak (Max)	30 A

### • Wiring

Connector Type	WAGO 744 connector
Input Terminals	

Cable Capacity	120 pF
Output Wires Mutual (Max)	
Connector Type	WAGO 744 connector [ Suitable for manual wiring]
Output Terminals	
Cable Length Hot	0.75 m
Wiring	
Wire Striplength	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>
Cable Capacity Cold	120 pF
Output Wires - Earth (Max)	
Cable Capacity Hot	120 pF
Output Wires - Earth (Max)	

### • System characteristics

Rated Ballast-Lamp Power	24 W
Rated Lamp Power On TL5	24 W
System Power On TL5	79.0/104.0 W
Lamp Power On TL5	68.5/85.0 W
Power Loss On TL5	10.5/19.0 W

### • Temperature

T-Ambient (Max)	50 °C
T-Ambient (Min)	-15 °C
T-Storage (Max)	80 °C

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T-Storage (Min)	-40 °C
T-Case Lifetime (Nom)	75 °C
T-Case Maximum (Max)	75 °C

EMI 9 kHz ... 30 MHz	EN55015
Vibration Standard	IEC 68-2-6 Fc
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

## Mechanical and Housing

Housing	L 280x39x21.5
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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)	0.7 %
Nominal Light Output After 5 Seconds	50% of EBLF

Hum And Noise Level	< 30 dB(A)
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## Product Data

Full product code	872790093937800
Order product name	HF-S 3/424 TL5 II 220-240V 50/60Hz
EAN/UPC - Product	8727900939378
Order code	913713034666
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	913713034666
Net Weight (Piece)	0.245 kg

## Approval and Application

Energy Efficiency Index	A2
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## Photometric data

Ballast type	Lamp type	Lamp power	T <sub>a</sub> = 40°C			T <sub>a</sub> = 50°C			T <sub>a</sub> = 60°C		
			T <sub>c</sub>	84°C	97°C	X	T <sub>c</sub>	84°C	97°C	X	T <sub>c</sub>
HF-S 3/424 TL5 II 220-240V 50/60Hz	TL5 HO	3X24W	70,000 Hz	50,000 Hz	X	70,000 Hz	50,000 Hz	X	70,000 Hz	50,000 Hz	X
HF-S 3/424 TL5 II 220-240V 50/60Hz	TL5 HO	4X24W	70,000 Hz	50,000 Hz	X	70,000 Hz	50,000 Hz	X	70,000 Hz	50,000 Hz	X



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data subject to change