

HF-Selectalume II for TL5 lamps

HF-S 149 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	1 piece/unit
Automatic Restart	Yes

• Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Operating Frequency (Nom)	40-60 kHz
Crestfactor (Nom)	1.7
Power Factor 100% Load (Nom)	0.97
Preheat Time	1.21 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	0.25 ms
Ballast Factor (Nom)	1.05
Power Losses (Nom)	4.2 W
Inrush Current Peak (Max)	20 A

• 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 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 mm²
Output Terminal Cross Section	0.50-1.50 mm²
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	55.2 W
Lamp Power On TL5	51 W
Power Loss On TL5	4.2 W

• Temperature

T-Ambient (Max)	50 °C
T-Ambient (Min)	-15 °C
T-Storage (Max)	80 °C
T-Storage (Min)	-40 °C
T-Case Lifetime (Nom)	75 °C

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T-Case Maximum (Max)	75 °C

- Mechanical and Housing

Housing	L 280x30x21

- 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

- Approval and Application

Energy Efficiency Index	A2
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
Hum And Noise Level	< 30 dB(A)

- Product Data

Full product code	872790090558800
Order product name	HF-S 149 TL5 II 220-240V 50/60Hz
EAN/UPC - Product	8711500999351
Order code	90558800
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913713033466
Net Weight (Piece)	0.185 kg

Photometric data

Ballast type	Lamp type	Lamp power		Ta = 40°C	Ta = 50°C	Ta = 60°C
HF-S 149 TL5 II 220-240V 50/60Hz	TL5 HE	49W	Tc	=57°C	=67°C	X
			Lifetime	100,000 Hrs	65,000 Hrs	X

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