

HF-Selectalume II HT for TL5/TL-D lamps

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

HF-Selectalume II HT ballasts have been designed to ensure a long service life under tough operating conditions. They offer a high degree of reliability, quality and efficiency, which ensures uninterrupted lamp operation and maximum safety.HF Selectalume II HT ballasts are available not only for T5 lamps, but now also for TL-D lamps. They are intended for use with outdoor and indoor lighting fixtures such as waterproof recessed luminaires, which are largely used in car parks, industrial bays, offices, and other applications. The products are CE- and ENEC-compliant.;The ballast is primarily designed for Indoor application. For outdoor application, the luminaire should be minimum ClassIand need to be sufficiently protected against water & dust. The installation should also be guard against any lightening surge or any other necessary electrical protection as deemed in such typical installation & application.

Product data

General Information	
Application Code	II HT
Type Version	mk1
Lamp Type	TL5
Number of Lamps	2 piece/unit
Number of Products on MCB (16A 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)	42 kHz
Crestfactor (Nom)	1.7
Power Factor 100% Load (Nom)	0.99
Preheat Time	0.93 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
Power Losses (Nom)	6 W
Inrush Current Peak (Max)	31 A

Wiring	
Connector Type Input Terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]

HF-Selectalume II HT for TL5/TL-D lamps

Cable Capacity Output Wires Mutual (Max)	200 pF
Connector Type Output Terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and 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
Lamp Power on TL5 HT	104 W
Rated Lamp Power on TL5 HT	49 W
System Power on TL5 HT	110 W
Power Loss on TL5 HT	6 W

Temperature

T-Ambient (Max)	60 °C
T-Ambient (Min)	-25 °C
T-Storage (Max)	50 °C
T-Storage (Min)	-40 °C
T-Case Lifetime (Nom)	80 °C
T-Case Maximum (Max)	80 °C

Mechanical and Housing

Housing	L 360x30x21

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

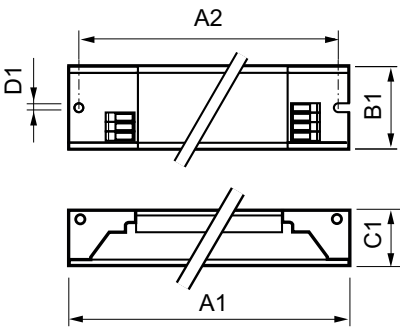
Approval and Application

Energy Efficiency Index	A2 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	EMC F-Marking CE marking ENEC certificate CCC certificate C-Tick certificate TISI marking SIRIM approval CB Certificate VDE-EMC marking CCC certificate
Hum And Noise Level	< 30 dB(A)

Product Data

Full product code	871829166779700
Order product name	HF-S 249 TL5 II HT 220-240V 50/60Hz
EAN/UPC - Product	8718291667797
Order code	913700690166
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913700690166
Net Weight (Piece)	0.280 kg

Dimensional drawing



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

Product	A1	B1	C1	A2	B2	D1
HF-S 249 TL5 II HT 220-240V 50/60Hz	360.0 mm	30.0 mm	21.0 mm	350.0 mm		4.2 mm



© 2018 Philips Lighting Holding B.V. All rights reserved. Philips Lighting reserves the right to make changes in specifications and/or to discontinue any product at any timewithout notice or obligation and will not be liable for any consequences resulting from the use of this publication.

www.lighting.philips.com
2018, August 1 - data subject to change