



HF-Selectalume for UV lamps

HF-S 175 UV TL-D/PL-L 220-240V 50/60Hz

HF-Selectalume UV is the most cost-effective, reliable and outstanding solution for TUV HO lamps. This ballast is developed as part of a system with Philips TUV HO lamps to deliver best in class UV-C output, maximum security of disinfection and high system efficacy. HF-Selectalume UV ballast is the ideal choice for a broad range of applications within the UV sector such as Air, Surface & Water purification.

Note: The product was designed for UV special purpose, Not applicable to design for other non-declared products.

Product data

General Information			
Application Code			
Type Version	mk1		
Lamp Type	TLD UV, PLL UV		
Number of Lamps	1 piece/unit		
Automatic Restart	Yes		
Operating and Electrical			
Input Voltage	220 to 240 V	Mains Voltage Performance (AC)	202-254V -8%~+6%
Input Frequency	50 to 60 Hz	Mains Voltage Safety (AC)	198-264V -10%~+10%
Lamp Current	750mA	Earth Leakage Current (Max)	0.5 mA
Operating Frequency (Nom)	45 kHz	Inrush Current Width	0.25 ms
Crestfactor (Nom)	1.7	Ballast Factor (Nom)	TBD
Power Factor on TLD 75W	0.97	Power Losses (Nom)	4-5 W
Power Factor on TLD 55W	0.95	Inrush Current Peak (Max)	38 A
Power Factor on PLL 60W	0.96		
Power Factor on PLL 35W	0.91		
Power Factor on TLD 25W	0.89		
Preheat Time	0.8 s		
		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

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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	0.50-1.00 mm ²
Output Terminal Cross Section	0.50-1.00 mm ²
Cable Capacity Cold Output Wires - Earth (Max)	200 pF
Cable Capacity Hot Output Wires - Earth (Max)	200 pF

System characteristics

Rated Ballast-Lamp Power	65 W
System Power on TLD 75W	65 W
Lamp Power on TLD 75W	60 W
Power Loss on TLD 75W	5 W
System Power on TLD 55W	52 W
Lamp Power on TLD 55W	47 W
Power Loss on TLD 55W	5 W
System Power on PLL 60W	58 W
Lamp Power on PLL 60W	54 W
Power Loss on PLL 60W	4 W
System Power on PLL 35W	33 W
Lamp Power on PLL 35W	29 W
Power Loss on PLL 35W	4 W
System Power on TLD 25W	29 W
Lamp Power on TLD 25W	24 W
Power Loss on TLD 25W	5 W

Temperature

T-Ambient (Max)	60 °C
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T-Ambient (Min)	-20 °C
T-Storage (Max)	50 °C
T-Storage (Min)	-40 °C
T-Case Lifetime (Nom)	75 °C
T-Case Maximum (Max)	75 °C

Mechanical and Housing

Housing	L 360x30x22
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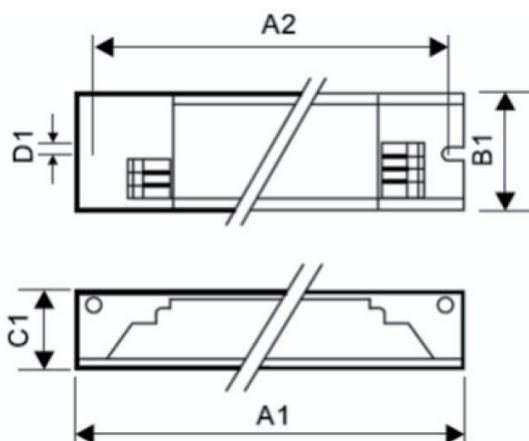
Approval and Application

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	CE marking CB certificate EAC certificate TIS certificate RCM certificate UA certificate
Hum And Noise Level	< 30 dB(A)

Product Data

Full product code	692234192700300
Order product name	HF-S 175 UV TL-D/PL-L 220-240V 50/60Hz
EAN/UPC - Product	6922341927003
Order code	913713043766
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913713043766
Net Weight (Piece)	0.245kg

Dimensional drawing



Product	D1	C1	A1	A2	B1
HF-S 175 UV TL-D/PL-L 220-240V 50/60Hz	4.2 mm	22 mm	360 mm	350 mm	30.0 mm

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