PHILIPS

Lighting



HF-Selectalume II for TL5 lamps

HF-S 280 TL5/PL-L 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.;The ballast is primarily designed for Indoor application. For outdoor application, the luminaire should be minimum Classland 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
Type Version	-
Lamp Type	TL5/PL-L
Number of Lamps	2 piece/unit
Number of Products on MCB (16A Type B) (Nom)	8
Automatic Restart	Yes

Operating and Electrical	
Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Operating Frequency (Nom)	45 kHz
Crestfactor (Nom)	1.7
Power Factor 100% Load (Nom)	0.99
Preheat Time	0.5 s
Mains Voltage Performance (AC)	202-254V-8%-+6%
Mains Voltage Safety (AC)	198-264V-10%-+10%
Earth Leakage Current (Max)	0.7 mA
Inrush Current Width	0.38 ms
Ballast Factor (Nom)	1
Power Losses (Nom)	10-9.5 W
Inrush Current Peak (Max)	35 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]

HF-Selectalume II for TL5 lamps

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	80 W
Lamp Power on PL-L	162 W
Power Loss on PL-L	9.5 W
Lamp Power on TL5	165 W
Power Loss on TL5	10 W

Temperature

T-Ambient (Max)	55 °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 425x30x21

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

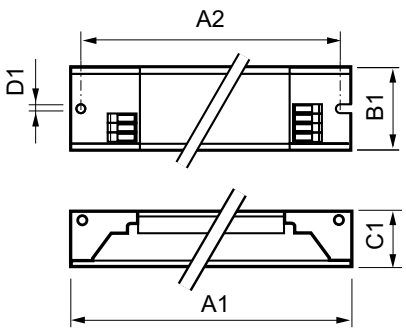
Approval and Application

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	CE marking ENEC certificate CCC certificate C-Tick certificate TISI marking
Hum And Noise Level	30 dB(A)

Product Data

Full product code	871829175848800
Order product name	HF-S 280 TL5/PL-L II 220-240V 50/60Hz
EAN/UPC - Product	8718291758488
Order code	913713042366
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913713042366
Net Weight (Piece)	0.360 kg

Dimensional drawing



HF-S 280 TL5/PL-L II 220-240V 50/60Hz

Product	D1	C1	A1	A2	B1
HF-S 280 TL5/PL-L II 220-240V 50/60Hz	4.2 mm	21.0 mm	425.0 mm	415.0 mm	30.0 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.