PHILIPS

Lighting



HF-Performer II Xtreme for TL5/TL-D lamps

HF-P Xt 280 TL5 EII 220-240V

Enhance the quality of applications with robust driver technologyHF-Performer Xtreme is a unique X-technology from Philips that guarantees the longest lifetime and highest reliability under the harshest conditions.;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	EII
Type Version	mk1
Lamp Type	TL5
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 (Min)	42 kHz
Ignition Method	Warm Start
Crestfactor (Max)	1.7
Power Factor 100% Load (Nom)	0.96
Ignition Time (Max)	2.0 s
Mains Voltage Performance (AC)	-8%-+6%
Mains Voltage Safety (AC)	-10%-+10%
Earth Leakage Current (Nom)	0.5 mA
Inrush Current Width	0.370 ms
Constant Wattage Deviation	-2%/+2%
Ballast Factor (Nom)	1.00
Power Losses (Nom)	11.9 W
Inrush Current Peak (Max)	35 A

Wiring	
Connector Type Input Terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Cable Capacity Output Wires Mutual (Nom)	200 pF
Connector Type Output Terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Wire Striplength	8.0-9.0 mm
Input Terminal Cross Section	0.50-1.00 mm²
Output Terminal Cross Section	0.50-1.00 mm²

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Auto Insert (ALF/ADS) Wire Cross Section	0.5 mm²
Cable Capacity Output Wires to Earth (Nom)	200 pF

System characteristics

Rated Ballast-Lamp Power	80 W
Rated Lamp Power on TL5	80 W
System Power on TL5	91.9 W
Lamp Power on TL5	80 W
Power Loss on TL5	11.9 W

Temperature

T-Ambient (Max)	60 °C
T-Ambient (Min)	-25 °C
T-Storage (Max)	80 °C
T-Storage (Min)	-25 °C
T-Case Lifetime (Nom)	75 °C
T-Case Maximum (Max)	75 °C
T-Ignition (Max)	60 °C
T-Ignition (Min)	-25 °C

Mechanical and Housing

Housing	L 425x30x28

Emergency Operation

Battery Voltage Lamp Ignition	198 V
Battery Voltage Lamp Operation	176-254

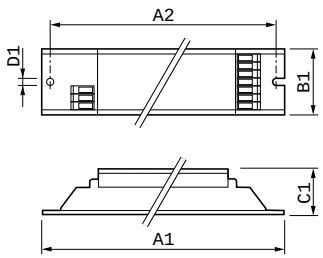
Approval and Application

Energy Efficiency Index	A2
IP Classification	IP 20 [Ingress Protection 20]
EMI 9 kHz ... 30 MHz	EN55015
EMI 30 MHz ... 1000 MHz	EN55022 level B
Safety Standard	IEC 61347-2-3
Performance Standard	IEC 60929
Quality Standard	ISO 9000:2000
Environmental Standard	ISO 14001
Harmonic Current Emission Standard	IEC 61000-3-2
EMC Immunity Standard	IEC 61547
Vibration Standard	IEC68-2-6 F c
Bumps Standard	IEC 68-2-29 Eb
Humidity Standard	EN 61347-2-3 clause 11
Approval Marks	CE marking ENEC certificate VDE-EMV certificate
Temperature Marking	Yes
Emergency Standard	IEC 60598-2-22
Hum And Noise Level	Inaudible

Product Data

Full product code	871150091442230
Order product name	HF-P Xt 280 TL5 EII 220-240V
EAN/UPC - Product	8711500914422
Order code	913700630266
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913700630266
Net Weight (Piece)	0.520 kg

Dimensional drawing



Product	D1	C1	A1	A2	B1
HF-P Xt 280 TL5 EII 220-240V	4.2 mm	28.0 mm	425.0 mm	415.0 mm	30.0 mm

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2018, January 16 - data subject to change