HF-Performer Intelligent for TL5 HE/HO lamps

HF-Pi 1 14/21/24/39 TL5 EII 220-240V

HF-Performer Intelligent for Master and ECO TL5 HE/HO, TL-D and PL-L lampsHF-Performer Intelligent features automatic recognition of the connected lamp and is independently able to adjust its operation parameters exactly to the respective lamp. This results in a substantial benefit, especially for T5 lamps, as it means TL5 HE and HO lamps of the same length can be interchanged.With a choice of seven ballasts, the customer is able to handle efficiently every possible combination of Master TL5 and Eco, TL-D, and PL-L lamps.;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	1 piece/unit
Number of Products on MCB (16A Type B) (Nom)	18
Automatic Restart	Yes

Operating and Electrical

Input Voltage	220 to 240 V

Input Frequency	50 to 60 Hz
Ignition Method	Warm Start
Crestfactor (Max)	1.7
Ignition Time (Max)	5.0 s
Mains Voltage Performance (AC)	-8%-+6%
Mains Voltage Safety (AC)	-10%-+10%
Earth Leakage Current (Max)	0.5 mA
Inrush Current Width	0.35 ms
Constant Wattage Deviation	-2%/+2%
Ballast Factor (Nom)	1.00
Power Losses (Nom)	1.9-2.5 W

HF-Performer Intelligent for TL5 HE/HO lamps

Inrush Current Peak (Max)	20 A

Wiring

Connector Type Input Terminals	Insert
Cable Capacity Output Wires Mutual (Nom)	70 pF
Connector Type Output Terminals	Insert
Cable Length Hot Wiring	0.75 m
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
Cable Capacity Output Wires to Earth (Nom)	70 pF

System characteristics

Rated Ballast-Lamp Power	14-39 W
Power Loss on TL5 HO	2.2/2.4 W
Lamp Power on TL5 HO	24.3/37.5 W
System Power on TL5 HO	26.5/39.9 W
Rated Lamp Power on TL5 HO	24/39 W
Rated Lamp Power on TL5 HE	14/21 W
System Power on TL5 HE	16.6/23.6 W
Lamp Power on TL5 HE	14.7/21.2 W
Power Loss on TL5 HE	1.9/2.4 W

Temperature

T-Ambient (Max)	50 ℃
T-Ambient (Min)	-25 ℃
T-Storage (Max)	80 ℃
T-Storage (Min)	-40 ℃
T-Case Lifetime (Nom)	75 ℃
T-Case Maximum (Max)	75 ℃
T-Ignition (Max)	50 ℃
T-Ignition (Min)	-25 ℃

Mechanical and Housing

Housing	L360x30x22

Emergency Operation

Nominal Light Output After 60 Seconds	100% of EBLF

Battery Voltage Lamp Operation	198-276
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
EMI 30 MHz ... 1000 MHz	EN 55022 Class 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	871150091494130
Order product name	HF-Pi 1 14/21/24/39 TL5 EII 220-240V
EAN/UPC - Product	8711500914941
Order code	913700624066
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913700624066
Net Weight (Piece)	0.247 kg

HF-Performer Intelligent for TL5 HE/HO lamps

Dimensional drawing

HF-Pi 1 14/21/24/39 TL5 EII 220-240V
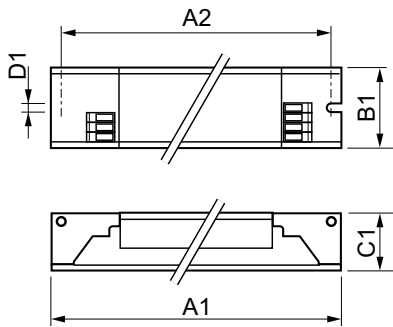
Product
HF-Pi 1 14/21/24/39 TL5 EII 220-240V

www.lighting.philips.com

2020, March 19 – data subject to change