

Lighting

PHILIPS

HF-Essential II for TL5/TL-D

HF-E 121 TL5 II 220-240V 50/60Hz

Essentially smart and reliableHF-Essential II is the most cost-effective solution for reliably operation of a fluorescent lamp. It is also the ideal entry-level product for electromagnetic system users who want to take advantage of the benefits provided by electronic ballasts. The cost-saving and reliable HF-Essential II is energy efficiency class A2, and its robust design meets all relevant international safety and performance standards. HF-Essential II is the ideal choice for a broad range of new construction and retrofit applications within the commercial sector, including general surface mounting and office lighting, parking garages, warehouses 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					
Lamp Type	TL5 II				
Number of Lamps	1 piece/unit				
Number of Products on MCB (16A Type B) (Nom) 60					
Automatic Restart	Yes				
Operating and Electrical					
Input Voltage	220 to 240 V				
Input Frequency	50 to 60 Hz				
Operating Frequency (Nom)	45.9 kHz				
Crestfactor (Nom)	1.8				

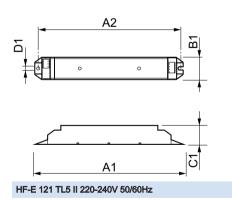
Power Factor 100% Load (Nom)	0.97		
Mains Voltage Performance (AC)	202-254V-8%-+6%		
Mains Voltage Safety (AC)	198-264V-10%-+10%		
Earth Leakage Current (Max)	0.5 mA		
Inrush Current Width	0.132 ms		
Ballast Factor (Nom)	1.02		
Power Losses (Nom)	3.69 W		
Inrush Current Peak (Max)	12.5 A		
Wiring			
Connector Type Input Terminals	Insert		

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Cable Capacity Output Wires Mutual (Max)	200 pF			
Connector Type Output Terminals	Insert			
Cable Length Hot Wiring	0.75 m			
Wire Striplength	8.0-9.0 mm			
Dual Fixture Master/Slave	Possible, lamp wires 0.75m max. length			
	[Master/Slave operation possible]			
Input Terminal Cross Section	0.50-1.50 mm²			
Output Terminal Cross Section	0.50-1.50 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	21 W			
Rated Lamp Power on TL5	21 W			
Temperature				
T-Ambient (Max)	50 °C			
T-Ambient (Min)	0 °C			
T-Storage (Max)	80 °C			
T-Storage (Min)	-40 °C			
T-Case Lifetime (Nom)	75 °C			
T-Case Maximum (Max)	75 °C			
Mechanical and Housing				
Housing	L 280x29.3x22.7			
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 0.7 %			
Emergency Ballast Lumen Factor (EBLF) (Nom)				
Nominal Light Output After 5 Seconds	50% of EBLF			
Approval and Application				
Energy Efficiency Index	A2			
IP Classification	IP 20 [Ingress Protection 20]			
EMI 9 kHz 30 MHz	EN55015			
Vibration Standard	IEC60068-2-6_2007-Fc			
Bumps Standard	IEC 60068-2-29:1993-Eb			
Approval Marks	CE marking KEMA Keur certificate RoHS			
	Compliant			
Hum And Noise Level	< 30 dB(A)			
Product Data				
Full product code	871869641701000			
Order product name	HF-E 121 TL5 II 220-240V 50/60Hz			
EAN/UPC - Product	8718696417010			
Order code	913713041666			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	50			
Material Nr. (12NC)	913713041666			
Net Weight (Piece)	0.084 kg			

Dimensional drawing



Product	D1	C1	A1	A2	B1
HF-E 121 TL5 II 220-240V	1.2 mm	22.7 mm	280.0 mm	270.0 mm	29.3 mm
50/60Hz					

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