

An energy-efficient solution

HF-Performer III for TL5 lamps

HF-Performer III TL5 is a sustainable, slim and high-frequency electronic ballast for TL5 and TL5 Eco fluorescent lamps. It is ideal for applications where high energy efficiency is required. The HF-Performer III range has a robust design, meets all relevant international safety and performance standards and is energy-efficient (CELMA EEI A2 BAT).

Benefits

- Exceptional energy efficiency with striation-reduction technology in lighting systems at lower temperatures
- Optimal savings can be achieved using HF-PIII together with TL5 ECO lamps (system solution).
- Maximum reliability in system operation
- The programmed start enables the lamp to be switched on and off without reducing useful lamp life.
- Multi-power technology for precise operation of multiple lamp types of various wattages
- DC emergency operation in line with IEC/EN 60598-2-22 luminaire norms
- Suitable for luminaires in protection class I and, after testing, class II

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Features

- Highest CELMA Energy Efficiency Index A2 BAT
- 50,000-hour lifetime at maximum case temperature, combined with over 60,000 on/off switches on one lamp
- Complies with CE, ENEC, EL, VDE-EMC, CCC marks of conformity
- Programmed, flicker-free, pre-heated start (< 1.0 s) which allows the lamp to be switched on and off without reducing useful lamp life
- Average nominal service lifetime over 100,000 hours (at Ta 50 °C) with a failure rate $\leq 0.1\%$ per 1,000 hours)
- Active power factor correction to ensure constant light, irrespective of mains-voltage fluctuations
- Optimized lamp preheating for over 50,000 On/Off switch operations without replacement of lamps
- The unit is protected against excessive mains voltage and incorrect connections
- The universal connector Wago 251 offers the flexibility for horizontal-manual or push-in robot wiring or vertical ALF-robot wiring.

Application

- Suitable for DC operation and emergency lighting installations; full compliance with requirements for emergency lighting according to EN 61347-2-3 -annex J
- Used with movement-detection control systems like Philips OccuPlus
- Extended lamp life in frequent-switching applications, e.g. where occupancy sensors or motion detectors are used
- Indoor applications, such as office buildings, hospitals, supermarkets, department stores, industrial premises and schools
- For luminaires of protection class I and protection class II used in office buildings, hospitals, supermarkets, department stores, industrial premises and schools
- Class I outdoor applications, e.g. industrial premises and parking lot

Versions



Lamp Driver, eFluo, HF-P 114-35
TL5 HE III 220-240V



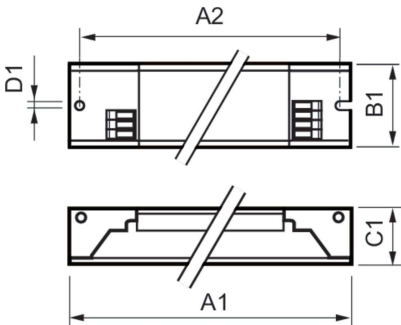
Lamp Driver, eFluo, HF-P 2 14-35
TL5 HE III 220-240V



Lamp Driver, eFluo, HF-P 154/155
TL5 HO/PL-L III IDC

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Dimensional drawing



Product	D1	C1	A1	A2	B1
HF-P 1 14-35 TL5 HE III 220-240V	4.2 mm	22.0 mm	360.0 mm	350.0 mm	30.0 mm
HF-P 154/155 TL5 HO/PLL III 220-240V IDC	4.2 mm	22.0 mm	360.0 mm	350.0 mm	30.0 mm
HF-P 2 14-35 TL5 HE III 220-240V	4.2 mm	22.0 mm	360.0 mm	350.0 mm	30.0 mm
HF-P 254/255 TL5 HO/PLL III 220-240V IDC	4.2 mm	22.0 mm	360.0 mm	350.0 mm	30.0 mm

Operating and Electrical	
Input Frequency	50 to 60 Hz
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Mechanical and Housing	
Housing	L360x30x22
Approval and Application	
Energy Efficiency Index	A2 BAT

Operating and Electrical

Order Code	Full Product Name	Number of Products on MCB (16A Type B) (Nom)
913713031066	HF-P 1 14-35 TL5 HE III 220-240V	28
913713031166	HF-P 2 14-35 TL5 HE III 220-240V	28

Order Code	Full Product Name	Number of Products on MCB (16A Type B) (Nom)
913713028266	HF-P 154/155 TL5 HO/PLL III 220-240V IDC	28
913713028366	HF-P 254/255 TL5 HO/PLL III 220-240V IDC	12

