



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

- Optimal savings can be achieved using HF-PIII together with TL5 ECO lamps (system solution).
- The programmed start enables the lamp to be switched on and off without reducing useful lamp life.
- 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

Features

- 50,000-hour lifetime at maximum case temperature, combined with over 60,000 on/off switches on one lamp
- Programmed, flicker-free, pre-heated start (< 1.0 s) which allows the lamp to be switched on and off without reducing useful lamp life
- Active power factor correction to ensure constant light, irrespective of mains-voltage fluctuations
- 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.

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Application

- Used with movement-detection control systems like Philips OccuPlus
- Indoor applications, such as office buildings, hospitals, supermarkets, department stores, industrial premises and schools
- Class I outdoor applications, e.g. industrial premises and parking lot

Versions



Dimensional drawing

A2

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 149 TL5 HO III 220-240V 50/60Hz IDC	4.2 mm	22.0 mm	360.0 mm	350.0 mm	30.0 mm
HF-P 2 24/39 TL5 III 220-240V 50/60Hz	4.2 mm	21.0 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
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

Approval and application	
Energy Efficiency Index	A2 BAT
Operating and electrical	
Input Frequency	50 to 60 Hz
Input Voltage	220 to 240 V
Emergency operation	
Emergency Ballast Lumen Factor (EBLF) (Nom)	100 %

General information

HF-Performer III for TL5 lamps

Order Code	Full Product Name	Number Of Products On MCB (16A Type B)	Number Of Lamps	Lamp Type
		(Nom)		
913713028066	HF-P 149 TL5 HO III 220-240V 50/60Hz IDC	28	1 piece/unit	TL5 HO
913713034166	HF-P 2 24/39 TL5 III 220-240V 50/60Hz	20	2 piece/unit	TL5/PL-L
913713028266	HF-P 154/155 TL5 HO/PLL III 220-240V IDC	28	1 piece/unit	TL5/PL-L

Order Code	Full Product Name	Number Of Products On MCB (16A Type B)	Number Of Lamps	Lamp Type
		(Nom)		
913713028366	HF-P 254/255 TL5 HO/PLL III 220-240V IDC	12	2 piece/unit	TL5/PL-L
913713031066	HF-P 1 14-35 TL5 HE III 220-240V	28	1 piece/unit	TL5 HE
913713031166	HF-P 2 14-35 TL5 HE III 220-240V	28	2 piece/unit	TL5 HE

Mechanical and housing

Order Code	Full Product Name	Housing
913713028066	HF-P 149 TL5 HO III 220-240V 50/60Hz IDC	L360x30x22
913713034166	HF-P 2 24/39 TL5 III 220-240V 50/60Hz	L 360x30x21
913713028266	HF-P 154/155 TL5 HO/PLL III 220-240V IDC	L360x30x22

Order Code	Full Product Name	Housing
913713028366	HF-P 254/255 TL5 HO/PLL III 220-240V IDC	L360x30x22
913713031066	HF-P 1 14-35 TL5 HE III 220-240V	L360x30x22
913713031166	HF-P 2 14-35 TL5 HE III 220-240V	L360x30x22

System characteristics

Order Code	Full Product Name	Lamp Power On PL-L	Lamp Power On TL5	Lamp Power On ECO	Lamp Power On TL5 HE	Lamp Power On TL5 HO	Rated Ballast- Lamp Power
913713028066	HF-P 149 TL5 HO III 220-240V 50/60Hz IDC	-	54.5 W	48.5 W	-	-	49 W
913713034166	HF-P 2 24/39 TL5 III 220-240V 50/60Hz	84W@2x40 W	-	42W@2x20 W; 68W@2x34 W; W	-	48W@2x24 W; 71W@2x39 W	24/39 W
913713028266	HF-P 154/155 TL5 HO/PLL III 220-240V IDC	51.5W@55 W	53 W@54 W	51W@50 W	-	-	54/55 W
913713028366	HF-P 254/255 TL5 HO/PLL III 220-240V IDC	102W@55 W	111W@54 W	96W@50 W	-	-	54/55 W
913713031066	HF-P 1 14-35 TL5 HE III 220-240V	-	-	-	14.0/36.5 W	-	14-35 W
913713031166	HF-P 2 14-35 TL5 HE III 220-240V	-	-	-	28.0/70.0 W	-	14-35 W

