



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 280 TL5/PL-L III 220-240V 50/60Hz	4.2 mm	21.0 mm	425.0 mm	415.0 mm	30.0 mm
HF-P 180 TL5 III 220-240V 50/60Hz	4.2 mm	21.0 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 3/4 14 TL5 III 220-240V 50/60Hz IDC	4.2 mm	21.0 mm	280.0 mm	265.0 mm	39.0 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 249 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 14-35 TL5 HE III 220-240V	4.2 mm	22.0 mm	360.0 mm	350.0 mm	30.0 mm

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Approval and application

Energy Efficiency Index	A2 BAT
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Operating and electrical

Input Frequency	50 to 60 Hz
Input Voltage	220 to 240 V

Emergency operation

Emergency Ballast Lumen Factor (EBLF) (Nom)	100 %
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General information

Order Code	Full Product Name	Number Of Products On MCB (16A Type B) (Nom)	Number Of Lamps	Lamp Type
913713028066	HF-P 149 TL5 HO III 220-240V 50/60Hz IDC	28	1 piece/unit	TL5 HO
913713028166	HF-P 249 TL5 HO III 220-240V 50/60Hz IDC	12	2 piece/unit	TL5 HO
913713033966	HF-P 3/4 14 TL5 III 220-240V 50/60Hz IDC	28	3/4 piece/unit	TL5
913713034166	HF-P 2 24/39 TL5 III 220-240V 50/60Hz	20	2 piece/unit	TL5/PL-L
913713034266	HF-P 180 TL5 III 220-240V 50/60Hz	20	1 piece/unit	TL5/PL-L

Order Code	Full Product Name	Number Of Products On MCB (16A Type B) (Nom)	Number Of Lamps	Lamp Type
913713034366	HF-P 280 TL5/PL-L III 220-240V 50/60Hz	8	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
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
913713028166	HF-P 249 TL5 HO III 220-240V 50/60Hz IDC	L360x30x22
913713033966	HF-P 3/4 14 TL5 III 220-240V 50/60Hz IDC	L 280x40x21
913713034166	HF-P 2 24/39 TL5 III 220-240V 50/60Hz	L 360x30x21
913713034266	HF-P 180 TL5 III 220-240V 50/60Hz	L 360x30x21

Order Code	Full Product Name	Housing
913713034366	HF-P 280 TL5/PL-L III 220-240V 50/60Hz	L 425x30x21
913713028266	HF-P 154/155 TL5 HO/PLL III 220-240V IDC	L360x30x22
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 TL5 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
913713028166	HF-P 249 TL5 HO III 220-240V 50/60Hz IDC	-	102.5 W	93 W	-	-	49 W
913713033966	HF-P 3/4 14 TL5 III 220-240V 50/60Hz IDC	-	41.5W@3x14 W; 56W@4x14 W	38W@3x14 W; 50.5W@4x14 W	-	-	14 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
913713034266	HF-P 180 TL5 III 220-240V 50/60Hz	74 W	71 W	70 W	-	-	80 W
913713034366	HF-P 280 TL5/PL-L III 220-240V 50/60Hz	80 W	80 W	-	-	-	80 W

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Order Code	Full Product Name	Lamp Power On		Lamp Power On TL5	Lamp Power On TL5 HE	Lamp Power On TL5 HO	Rated Ballast-Lamp Power
		PL-L	Lamp Power On TL5	ECO			
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

