



Unsurpassed energy-efficient and long-lasting solution

HF-Performer III for TL5 lamps

HF-Performer III TL5 ballasts offer maximum versatility and meet all of the necessary commercial grade specifications. They also offer the added benefits of lamp striation reduction technology, making these ballasts compatible with energy-saving TL5 ECO lamps. As such, these ballasts are part of an overall high-efficiency lighting system that may help you or your customers to achieve any international or local energy code you need to comply with. HF-Performer III TL5 ballasts are the ideal choice for a broad range of new construction and retrofit applications within the commercial sector, including general surface mounting or office lighting, parking garages, warehouses, waterproof and other applications.

Benefits

- Exceptional energy efficiency with striation-reduction technology in lighting systems at lower temperatures
- Maximum reliability in system operation
- Multi-power technology for precise operation of multiple lamp types of various wattages

Features

- Highest CELMA Energy Efficiency Index A2 BAT
- Complies with CE, ENEC, EL, VDE-EMC, CCC marks of conformity
- Average nominal service lifetime over 100,000 hours (at Ta 50 °C) with a failure rate $\leq 0.1\%$ per 1,000 hours)
- Optimized lamp preheating for over 50,000 On/Off switch operations without replacement of lamps

HF-Performer III for TL5 lamps

Application

- Suitable for DC operation and emergency lighting installations; full compliance with requirements for emergency lighting according to EN 61347-2-3 -annex J
- Extended lamp life in frequent-switching applications, e.g. where occupancy sensors or motion detectors are used
- For luminaires of protection class I and protection class II used in office buildings, hospitals, supermarkets, department stores, industrial premises and schools

Versions



HF-P 149 TL5 HO III 220-240V
50/60Hz IDC



HF-P 154/155 TL5 HO/PLL III
220-240V IDC



HF-P 114-35 TL5 HE III 220-240V
50/60Hz



HF-P 2 14-35 TL5 HE III 220-240V
50/60Hz

Dimensional drawing

A2

Product	D1	C1	A1	A2	B1
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 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 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 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 114-35 TL5 HE III 220-240V	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 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 1 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 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 180 TL5 III 220-240V 50/60Hz	4.2 mm	21.0 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-Performer III for TL5 lamps

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

Order Code	Full Product Name	Number Of Products On MCB (16A Type B)		Lamp Type
		(Nom)	Number Of Lamps	
86319200	HF-P 149 TL5 HO III 220-240V 50/60Hz IDC	28	1 piece/unit	TL5 HO
86347500	HF-P 249 TL5 HO III 220-240V 50/60Hz IDC	12	2 piece/unit	TL5 HO
72125300	HF-P 3/414 TL5 III 220-240V 50/60Hz	28	3/4 piece/unit	TL5
95224700	HF-P 1 24/39 TL5 HO III 220-240V 50/60Hz	28	1 piece/unit	TL5/PL-L
95226100	HF-P 2 24/39 TL5 HO III 220-240V 50/60Hz	20	2 piece/unit	TL5/PL-L
95228500	HF-P 180 TL5/PL-L 220-240V 50/60Hz IDC	20	1 piece/unit	TL5/PL-L

Order Code	Full Product Name	Number Of Products On MCB (16A Type B)		Lamp Type
		(Nom)	Number Of Lamps	
95230800	HF-P 280 TL5/PL-L III 220-240V 50/60Hz	8	2 piece/unit	TL5/PL-L
86348200	HF-P 154/155 TL5 HO/PL-L III IDC	28	1 piece/unit	TL5/PL-L
86351200	HF-P 254/255 TL5 HO/PL-L III IDC	12	2 piece/unit	TL5/PL-L
90504500	HF-P 1 14-35 TL5 HE III 220-240V	28	1 piece/unit	TL5 HE
90503800	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
86319200	HF-P 149 TL5 HO III 220-240V 50/60Hz IDC	L 360x30x22
86347500	HF-P 249 TL5 HO III 220-240V 50/60Hz IDC	L 360x30x22
72125300	HF-P 3/414 TL5 III 220-240V 50/60Hz	L 280x40x21
95224700	HF-P 1 24/39 TL5 HO III 220-240V 50/60Hz	L 360x30x21
95226100	HF-P 2 24/39 TL5 HO III 220-240V 50/60Hz	L 360x30x21
95228500	HF-P 180 TL5/PL-L 220-240V 50/60Hz IDC	L 360x30x21

Order Code	Full Product Name	Housing
95230800	HF-P 280 TL5/PL-L III 220-240V 50/60Hz	L 425x30x21
86348200	HF-P 154/155 TL5 HO/PL-L III IDC	L 360x30x22
86351200	HF-P 254/255 TL5 HO/PL-L III IDC	L 360x30x22
90504500	HF-P 1 14-35 TL5 HE III 220-240V	L 360x30x22
90503800	HF-P 2 14-35 TL5 HE III 220-240V	L 360x30x22

System characteristics

Order Code	Full Product Name	Lamp Power On PL-L		Lamp Power On TL5 ECO	Lamp Power On TL5 HE	Lamp Power On TL5 HO	Rated Ballast-Lamp Power
86319200	HF-P 149 TL5 HO III 220-240V 50/60Hz IDC	-	54.5 W	48.5 W	-	-	49 W
86347500	HF-P 249 TL5 HO III 220-240V 50/60Hz IDC	-	102.5 W	93 W	-	-	49 W
72125300	HF-P 3/414 TL5 III 220-240V 50/60Hz	-	41.5W@3x14 W; 56W@4x14 W	38W@3x14 W; 50.5W@4x14 W	-	-	14 W
95224700	HF-P 1 24/39 TL5 HO III 220-240V 50/60Hz	39.3W@40 W	-	20.5W@1x20 W; 32.5W@1x34 W	-	25W@1x24 W; 35W@1x39 W	24/39 W

HF-Performer III for TL5 lamps

Order Code	Full Product Name	Lamp Power On		Lamp Power On TL5		Lamp Power	Lamp Power On	Rated Ballast-Lamp Power
		PL-L	Lamp Power On TL5	ECO	On TL5 HE	On TL5 HE	TL5 HO	
95226100	HF-P 2 24/39 TL5 HO III 220-240V 50/60Hz	84W@2x40 W	-	42W@2x20 W; 68W@2x34 W; W	-	-	48W@2x24 W; 71W@2x39 W	24/39 W
95228500	HF-P 180 TL5/PL-L 220-240V 50/60Hz IDC	74 W	71 W	70 W	-	-	-	80 W
95230800	HF-P 280 TL5/PL-L III 220-240V 50/60Hz	80 W	80 W	-	-	-	-	80 W
86348200	HF-P 154/155 TL5 HO/PL-L III IDC	51.5W@55 W	53 W@54 W	51W@50 W	-	-	-	54/55 W
86351200	HF-P 254/255 TL5 HO/PL-L III IDC	102W@55 W	111W@54 W	96W@50 W	-	-	-	54/55 W
90504500	HF-P 1 14-35 TL5 HE III 220-240V	-	-	-	14.0/36.5 W	-	-	14-35 W
90503800	HF-P 2 14-35 TL5 HE III 220-240V	-	-	-	28.0/70.0 W	-	-	14-35 W

