



HF-Performer III for TL5 lamps

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

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.;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	
Application Code	III
Type Version	IDC
Lamp Type	TL5 HO
Number of Lamps	1 piece/unit
Number of Products on MCB (16A Type B)	28
(Nom)	
Automatic Restart	Yes
Operating and Electrical	
Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz

Operating Frequency (Nom)	47.5 kHz			
Ignition Method	Programmed Start			
Crestfactor (Max)	1.7			
Power Factor 100% Load (Nom)	0.99			
Ignition Time (Max)	0.9 s			
Mains Voltage Performance (AC)	-8%-+6%			
Mains Voltage Safety (AC)	-10%-+10%			
Earth Leakage Current (Nom)	0.5 mA			
Inrush Current Width	0.25 ms			
Constant Wattage Deviation	-2%/+2%			
Ballast Factor (Nom)	1			
Power Losses (Nom)	2.5 W			
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Datasheet, 2020, November 2 data subject to change

HF-Performer III for TL5 lamps

Inrush Current Peak (Max)	24 A		
Wiring			
Connector Type Input Terminals	WAGO 251 universal connector [Suitable		
	for both automatic wiring (ALF and ADS)		
	and manual wiring]		
Cable Capacity Output Wires Mutual (Nom)	200 pF		
Connector Type Output Terminals	WAGO 251 universal connector [Suitable		
	for both automatic wiring (ALF and ADS)		
	and manual wiring]		
Cable Length Hot Wiring	0.75 m		
Wire Striplength	8.0-9.0 mm		
Dual Fixture Master/Slave	Not applicable [Master/Slave oper. not		
	applicable]		
Input Terminal Cross Section	0.50-1.00 mm ²		
Output Terminal Cross Section	0.50-1.00 mm ²		
Cable Capacity Output Wires to Earth (Nom)	200 pF		
System characteristics			
Rated Ballast-Lamp Power	49 W		
Rated Lamp Power on TL5	49 W		
System Power on TL5	57 W		
Lamp Power on TL5	54.5 W		
Power Loss on TL5	2.5 W		
Rated Lamp Power on TL5 ECO	49 W		
System Power on TL5 ECO	51 W		
Lamp Power on TL5 ECO	48.5 W		
Power Loss on TL5 ECO	2.5 W		
Temperature			
T-Ambient (Max)	60 ℃		
T-Ambient (Min)	-25 °C		
T-Storage (Max)	80 °C		
T-Storage (Min)	-40 °C		
T-Case Lifetime (Nom)	80 °C		
T-Case Maximum (Max)	80 °C		
T-Ignition (Max)	60 ℃		
T-Ignition (Min)	-25 °C		
Mechanical and Housing			
Housing	L360x30x22		

Emergency Operation Nominal Light Output After 60 Seconds 100% of EBLF					
Battery Voltage Lamp Ignition 198-254 V Normal Operating Voltage (DC) 220-240 V Battery Voltage Lamp Operation 176-254 Battery Voltage Guaranteed Operation 186-275 V Battery Voltage Guaranteed Ignition 186-275 V Emergency Ballast Lumen Factor (EBLF) 100 % (Nom) Nominal Light Output After 5 Seconds 50% of EBLF Approval and Application	Emergency Operation				
Normal Operating Voltage (DC) Battery Voltage Lamp Operation Battery Voltage Guaranteed Operation Battery Voltage Guaranteed Ignition Battery Voltage Guaranteed Ignition Battery Voltage Guaranteed Ignition Battery Voltage Guaranteed Ignition Berergency Ballast Lumen Factor (EBLF) (Nom) Nominal Light Output After 5 Seconds 50% of EBLF Approval and Application Energy Efficiency Index IP 20 [Ingress Protection 20] EMI 9 kHz 30 MHz EN55015 EMI 30 MHz 1000 MHz - Safety Standard IEC 61347-2-3 Performance Standard IEC 60929 Quality Standard ISO 9000-2000 Environmental Standard IEC 61000-3-2 EMC Immunity Standard IEC 665-2-6 F c Bumps Standard IEC 68-2-9 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Emergency Standard IEC 60598-2-22 Hum And Noise Level - 30 dB(A) Product Data Full product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 913713028066 Numerator - Quantity Per Pack 1 Material Nr. (12NC) 913713028066	Nominal Light Output After 60 Seconds	100% of EBLF			
Battery Voltage Lamp Operation 176-254 Battery Voltage Guaranteed Operation 176-275 V Battery Voltage Guaranteed Ignition 186-275 V Emergency Ballast Lumen Factor (EBLF) 100 % (Nom) Nominal Light Output After 5 Seconds 50% of EBLF Approval and Application Energy Efficiency Index A2 BAT IP Classification IP 20 [Ingress Protection 20] EMI 9 kHz 30 MHz EN55015 EMI 30 MHz 1000 MHz - Safety Standard IEC 61347-2-3 Performance Standard IEC 60929 Quality Standard ISO 9000-2000 Environmental Standard IEC 61000-3-2 EMC Immunity Standard IEC 66100-3-2 EMC Immunity Standard IEC 68-2-9 Eb Humidity Standard IEC 68-2-29 Eb Humidity Standard IEC 68-2-29 Eb Humidity Standard IEC 66998-2-22 Humidity Standard IEC 60598-2-22 Hum And Noise Level < 30 dB(A) Product Data Full product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Battery Voltage Lamp Ignition	198-254 V			
Battery Voltage Guaranteed Operation Battery Voltage Guaranteed Ignition Battery Voltage Guaranteed Ignition Emergency Ballast Lumen Factor (EBLF) (Nom) Nominal Light Output After 5 Seconds 50% of EBLF Approval and Application Energy Efficiency Index A2 BAT IP Classification IP 20 [Ingress Protection 20] EMI 9 kHz 30 MHz EN55015 EMI 30 MHz 1000 MHz - Safety Standard IEC 61347-2-3 Performance Standard ISO 9000:2000 Environmental Standard ISO 14001 Harmonic Current Emission Standard IEC 61547 Vibration Standard IEC 668-2-26 F c Bumps Standard IEC 68-2-29 Eb Humidity Standard IEC 68-2-29 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level A71500881977 Order code P13713028066 Numerator - Quantity Per Pack Numerator - Packs per outer box I2 Material Nr. (12NC) 913713028066	Normal Operating Voltage (DC)	220-240 V			
Battery Voltage Guaranteed Ignition 186-275 V Emergency Ballast Lumen Factor (EBLF) 100 % (Nom) Nominal Light Output After 5 Seconds 50% of EBLF Approval and Application Energy Efficiency Index A2 BAT IP Classification IP 20 [Ingress Protection 20] EMI 9 kHz 30 MHz EN55015 EMI 30 MHz 1000 MHz - Safety Standard IEC 60329 Quality Standard ISO 9000:2000 Environmental Standard ISO 14001 Harmonic Current Emission Standard IEC 61000-3-2 EMC Immunity Standard IEC 66547 Vibration Standard IEC 68-2-29 Eb Humidity Standard IEC 68-2-29 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level <30 dB(A) Product Data Full product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Battery Voltage Lamp Operation	176-254			
Emergency Ballast Lumen Factor (EBLF) (Nom) Nominal Light Output After 5 Seconds 50% of EBLF Approval and Application Energy Efficiency Index A2 BAT IP Classification EN55015 EMI 9 kHz 30 MHz EN55015 EMI 30 MHz 1000 MHz - Safety Standard IEC 61347-2-3 Performance Standard IEC 60929 Quality Standard ISO 9000:2000 Environmental Standard IEC 61000-3-2 EMC Immunity Standard IEC 61004 IEC 68-2-6 F c Bumps Standard IEC 68-2-9 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level - 30 dB(A) Product Data Full product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code Numerator - Quantity Per Pack Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Battery Voltage Guaranteed Operation	176-275 V			
(Nom) Nominal Light Output After 5 Seconds 50% of EBLF Approval and Application Energy Efficiency Index A2 BAT IP Classification IP 20 [Ingress Protection 20] EMI 9 kHz 30 MHz EN55015 EMI 30 MHz 1000 MHz - Safety Standard IEC 61347-2-3 Performance Standard IEC 60929 Quality Standard ISO 9000:2000 Environmental Standard IEC 61000-3-2 EMC Immunity Standard IEC 660-3-2 EMC Immunity Standard IEC 68-2-6 F c Bumps Standard IEC 68-2-9 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level <30 dB(A) Product Data Full product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Battery Voltage Guaranteed Ignition	186-275 V			
Nominal Light Output After 5 Seconds 50% of EBLF Approval and Application Energy Efficiency Index A2 BAT IP Classification EMI 9 kHz 30 MHz EN55015 EMI 30 MHz 1000 MHz - Safety Standard IEC 61347-2-3 Performance Standard IEC 60929 Quality Standard ISO 9000:2000 Environmental Standard IEC 61000-3-2 EMC Immunity Standard IEC 6547 Vibration Standard IEC 68-2-9 Eb Humidity Standard IEC 68-2-29 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level APProduct Data Full product code Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product Order code Numerator - Quantity Per Pack Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Emergency Ballast Lumen Factor (EBLF)	100 %			
Approval and Application Energy Efficiency Index IP 20 [Ingress Protection 20] EMI 9 kHz 30 MHz EN55015 EMI 30 MHz 1000 MHz - Safety Standard IEC 61347-2-3 Performance Standard IEC 60929 Quality Standard ISO 9000:2000 Environmental Standard IEC 61000-3-2 EMC Immunity Standard IEC 6547 Vibration Standard IEC 68-2-6 F c Bumps Standard IEC 68-2-29 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level APProduct Data Full product code Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 7 Order code Numerator - Quantity Per Pack Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	(Nom)				
Energy Efficiency Index IP Classification IP 20 [Ingress Protection 20] EMI 9 kHz 30 MHz EN55015 EMI 30 MHz 1000 MHz - Safety Standard IEC 61347-2-3 Performance Standard IEC 60929 Quality Standard ISO 9000:2000 Environmental Standard ISO 14001 Harmonic Current Emission Standard IEC 61000-3-2 EMC Immunity Standard IEC 68-2-6 F c Bumps Standard IEC 68-2-9 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level Order product Data Full product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Nominal Light Output After 5 Seconds	50% of EBLF			
Energy Efficiency Index IP Classification IP 20 [Ingress Protection 20] EMI 9 kHz 30 MHz EN55015 EMI 30 MHz 1000 MHz - Safety Standard IEC 61347-2-3 Performance Standard IEC 60929 Quality Standard ISO 9000:2000 Environmental Standard ISO 14001 Harmonic Current Emission Standard IEC 61000-3-2 EMC Immunity Standard IEC 68-2-6 F c Bumps Standard IEC 68-2-9 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level Order product Data Full product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066					
IP Classification	Approval and Application				
EMI 9 kHz 30 MHz EN55015 EMI 30 MHz 1000 MHz - Safety Standard IEC 61347-2-3 Performance Standard IEC 60929 Quality Standard ISO 9000:2000 Environmental Standard ISO 14001 Harmonic Current Emission Standard IEC 61000-3-2 EMC Immunity Standard IEC 68-2-6 F c Bumps Standard IEC 68-2-29 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level < 30 dB(A) Product Data Full product code Product Data HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Energy Efficiency Index	A2 BAT			
EMI 30 MHz 1000 MHz - Safety Standard IEC 61347-2-3 Performance Standard IEC 60929 Quality Standard ISO 9000:2000 Environmental Standard ISO 14001 Harmonic Current Emission Standard IEC 61000-3-2 EMC Immunity Standard IEC 61547 Vibration Standard IEC 68-2-6 F c Bumps Standard IEC 68-2-29 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level < 30 dB(A) Product Data HF-P 149 TL5 HO III 220-240V 50/60Hz IDC Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator Incomplex of the product of the produ	IP Classification	IP 20 [Ingress Protection 20]			
Safety Standard IEC 61347-2-3 Performance Standard IEC 60929 Quality Standard ISO 9000:2000 Environmental Standard ISO 14001 Harmonic Current Emission Standard IEC 61000-3-2 EMC Immunity Standard IEC 61547 Vibration Standard IEC 68-2-6 F c Bumps Standard IEC 68-2-29 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level <30 dB(A) Product Data Full product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	EMI 9 kHz 30 MHz	EN55015			
Performance Standard IEC 60929 Quality Standard ISO 9000:2000 Environmental Standard ISO 14001 Harmonic Current Emission Standard IEC 61000-3-2 EMC Immunity Standard IEC 61547 Vibration Standard IEC 68-2-6 F c Bumps Standard IEC 68-2-29 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level < 30 dB(A) Product Data Full product code B72790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	EMI 30 MHz 1000 MHz	-			
Quality Standard ISO 9000:2000 Environmental Standard ISO 14001 Harmonic Current Emission Standard IEC 61000-3-2 EMC Immunity Standard IEC 61547 Vibration Standard IEC 68-2-6 F c Bumps Standard IEC 68-2-29 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level <30 dB(A) Product Data Full product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Safety Standard	IEC 61347-2-3			
Environmental Standard ISO 14001 Harmonic Current Emission Standard IEC 61000-3-2 EMC Immunity Standard IEC 61547 Vibration Standard IEC 68-2-6 F c Bumps Standard IEC 68-2-29 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level <30 dB(A) Product Data Full product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Performance Standard	IEC 60929			
Harmonic Current Emission Standard IEC 61000-3-2 EMC Immunity Standard IEC 66547 Vibration Standard IEC 68-2-6 F c Bumps Standard IEC 68-2-9 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level Product Data Full product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code Numerator - Quantity Per Pack Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Quality Standard	ISO 9000:2000			
EMC Immunity Standard IEC 61547 Vibration Standard IEC 68-2-6 F c Bumps Standard IEC 68-2-29 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level < 30 dB(A) Product Data B72790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Environmental Standard	ISO 14001			
Vibration Standard IEC 68-2-6 F c Bumps Standard IEC 68-2-29 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level < 30 dB(A) Product Data 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Harmonic Current Emission Standard	IEC 61000-3-2			
Bumps Standard IEC 68-2-29 Eb Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level < 30 dB(A) Product Data Full product code B72790086319200 0rder product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	EMC Immunity Standard	IEC 61547			
Humidity Standard EN 61347-2-3 clause 11 Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level < 30 dB(A) Product Data 872790086319200 Order product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Vibration Standard	IEC68-2-6 F c			
Approval Marks CE marking Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level < 30 dB(A) Product Data 872790086319200 Order product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Bumps Standard	IEC 68-2-29 Eb			
Temperature Marking Yes Emergency Standard IEC 60598-2-22 Hum And Noise Level < 30 dB(A) Product Data 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Humidity Standard	EN 61347-2-3 clause 11			
Emergency Standard IEC 60598-2-22 Hum And Noise Level < 30 dB(A)	Approval Marks	CE marking			
Hum And Noise Level < 30 dB(A)	Temperature Marking	Yes			
Product Data Full product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Emergency Standard	IEC 60598-2-22			
Full product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Hum And Noise Level	< 30 dB(A)			
Full product code 872790086319200 Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066					
Order product name HF-P 149 TL5 HO III 220-240V 50/60Hz IDC EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Product Data				
IDC	Full product code	872790086319200			
EAN/UPC - Product 8711500881977 Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Order product name	HF-P 149 TL5 HO III 220-240V 50/60Hz			
Order code 913713028066 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066		IDC			
Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	EAN/UPC - Product	8711500881977			
Numerator - Packs per outer box 12 Material Nr. (12NC) 913713028066	Order code	913713028066			
Material Nr. (12NC) 913713028066	Numerator - Quantity Per Pack	1			
	Numerator - Packs per outer box	12			
Net Weight (Piece) 0.252 kg	Material Nr. (12NC)	913713028066			
	Net Weight (Piece)	0.252 kg			

HF-Performer III for TL5 lamps

Dimensional drawing

A2

Product	D1	C1	A1	A2	B1
HF-P 149 TL5 HO III	4.2 mm	22.0 mm	360.0 mm	350.0 mm	30.0 mm
220-240V 50/60Hz IDC					

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

