



HF-Performer III for TL5 lamps

HF-P 154/155 TL5 HO/PL-L III IDC

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).

Product data

General Information	
Application code	III
Type version	IDC
Lamp type	TL5/PL-L
Number of lamps	1 piece/unit
Number of products on MCB (16 A 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.)	45 kHz
Ignition method	Programmed Start
Crest factor (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

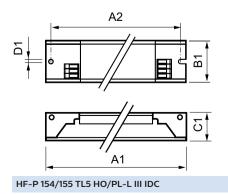
Inrush current width	0.25 ms
Constant wattage deviation	-2%/+2%
Ballast factor (nom.)	1
Power losses (nom.)	4.5 W
Inrush current peak (max.)	24 A
Wiring	
Connector type input terminals	WAGO 251 universal connector [Suitable
	for both automatic wiring (ALF and ADS)
	and manual wiring]
Cable capacity output 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 strip length	8.0-9.0 mm
Dual fixture master/slave	Not applicable [Master/Slave oper. not
	applicable]
Input terminal cross section	0.50-1.00 mm²
Output terminal cross section	0.50-1.00 mm ²
Output terminat cross section	0.30-1.00 11111

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Cable capacity output wires to earth (nom.)	200 pF
System characteristics	
Rated ballast-lamp power	54/55 W
Rated lamp power on PL-L	54/55 W
System power on PL-L	56W@55 W
Lamp power on PL-L	51.5W@55 W
Power loss on PL-L	4.5W@55 W
Rated lamp power on TL5	54/55 W
System power on TL5	57.5 W@54W; 55.5W@50 W; W
Lamp power on TL5	53 W@54 W
Power loss on TL5	4.5 W@54 W
Rated lamp power on TL5 ECO	50 W
System power on TL5 ECO	54.5 W
Lamp power on TL5 ECO	51W@50 W
Power loss on TL5 ECO	4.5 W@50 W
Temperature	
T ambient (max.)	60 °C
T ambient (min.)	-25 ℃
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 °C
T-Ignition (min.)	-25 ℃
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	176-275 V
Battery voltage guaranteed ignition	186-275 V

(nom.)Nominal light output after 5 seconds50% of EBLFApproval and ApplicationEnergy efficiency indexA2 BATIP classificationIP 20 [Ingress Protection 20]EMI 9 kHz 30 MHzEN 55015 edition 7.1EMI 30 MHz 1,000 MHz-Safety standardIEC 61347-2-3Performance standardIEC 60929Quality standardISO 9000:2000Environmental standardISO 14001Harmonic current emission standardIEC 61000-3-2EMC immunity standardIEC 668-2-6 F cBumps standardIEC 668-2-9 EbHumidity standardEN 61347-2-3 clause 11Approval marksCE marking ENEC certificate VDE-EMV certificateTemperature markingYesEmergency standardIEC 60598-2-22Humming and noise level< 30 dB(A)Product Data872790086348200Full product code872790086348200Order product nameHF-P 154/155 TL5 HO/PLL III 220-240V IDCEAN/UPC - product8711500998217Order code86348200Local CodeHFP154TL5HOIIINumerator - quantity per pack1Numerator - packs per outer box12Material no. (12NC)913713028266	Emergency ballast lumen factor (EBLF)	100 %				
Approval and ApplicationEnergy efficiency indexA2 BATIP classificationIP 20 [Ingress Protection 20]EMI 9 kHz 30 MHzEN 55015 edition 7.1EMI 30 MHz 1,000 MHz-Safety standardIEC 61347-2-3Performance standardIEC 60929Quality standardISO 9000-2000Environmental standardISO 14001Harmonic current emission standardIEC 61000-3-2EMC immunity standardIEC 668-2-6 F cBumps standardIEC 668-2-29 EbHumidity standardEN 61347-2-3 clause 11Approval marksCE marking ENEC certificate VDE-EMV certificateTemperature markingYesEmergency standardIEC 60598-2-22Humming and noise level< 30 dB(A)Product DataFull product codeFull product code872790086348200Order product nameHF-P 154/155 TL5 HO/PLL III 220-240V IDCEAN/UPC - product8711500998217Order code86348200Local CodeHFP154TL5HOIIINumerator - quantity per pack1Numerator - packs per outer box12	(nom.)					
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Numerator – quantity per pack 1 Numerator – packs per outer box 12	Order code	86348200				
Numerator – packs per outer box 12	Local Code	HFP154TL5HOIII				
	Numerator – quantity per pack					
Material no. (12NC) 913713028266	Numerator – packs per outer box					
	Material no. (12NC)	913713028266				
Net weight (piece) 0.252 kg	Net weight (piece)	0.252 kg				

Dimensional drawing



Product	D1	C1	A1	A2	B1
HF-P 154/155 TL5 HO/PLL	4.2 mm	22.0 mm	360.0 mm	350.0 mm	30.0 mm
III 220-240V IDC					

HF-Performer III for TL5 lamps



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