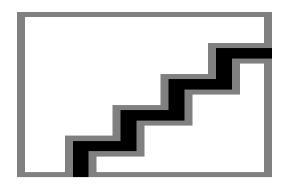
# **PHILIPS** Lighting



# 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				
Remarks	UK importer address: Signify Commercial UK Limited, 3, Guildford Business Park,			
	GU2 8XG			
Application code	III IDC TL5/PL-L 1 piece/unit			
Type version				
Lamp type				
Number of lamps				
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			
Efficiency at full load [%]	91.86 %			
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			

## HF-Performer III for TL5 lamps

Dual future master (alaus	Net employed ( Master/Claus and ast				
Dual fixture master/slave	Not applicable [ Master/Slave oper. not				
	applicable]				
Input terminal cross section	0.50-1.00 mm <sup>2</sup>				
Output terminal cross section	0.50-1.00 mm²				
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 56W@55 W				
System power on PL-L					
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 °C				
T-ambient (min.)	-25 °C				
T storage (max.)	80 °C				
T storage (min.)	-40 °C				
T-case lifetime (nom.)	80 °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				

198-254 V

220-240 V

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	EN 55015 edition 7.1			
EMI 30 MHz 1,000 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	IEC68-2-6 F c			
Bumps standard	IEC 68-2-29 Eb			
Humidity standard	EN 61347-2-3 clause 11			
Approval marks	CE marking ENEC certificate VDE-EMV			
	certificate			
Temperature marking	Yes			
Emergency standard	IEC 60598-2-22			
Humming and noise level	< 30 dB(A)			
Product data				
Full product code	872790086348200			
Order product name	HF-P 154/155 TL5 HO/PLL III 220-240V			
	IDC			
EAN/UPC – product	8711500998217			
Order code	86348200			
Local order code	HFP154TL5HOIII			
SAP numerator - quantity per pack	1			
Numerator – packs per outer box	12			
SAP material	913713028266			
Net Weight (Piece)	0.252 kg			

Battery voltage lamp ignition

Normal operating voltage (DC)

### HF-Performer III for TL5 lamps

#### Dimensional drawing

A2

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



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