



HF-Regulator II for TL5 lamps – Dimming: a next step in energy saving

HF-Regulator II for TL5 lamps

High-frequency electronic dimming ballast, using the analog protocol (1-10 V) for TL5 HE/HO and TL5 Eco lamps

Benefits

- The lamp power can be dimmed from 1 to 100% via the Analog control input (in accordance with the 1–10 V industry standard)
- Compliant with European and Asian norms and suitable for emergency lighting systems
- · HF operation improves light quality, lamp lifetime
- · Combined with controls, additional energy savings can be achieved

Features

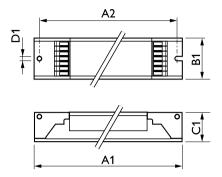
- Programmed start: flicker-free ignition < 0.5 seconds and striation-free operation, no stroboscopic effects. Preheating the lamp electrodes enables the lamps to be switched on and off without reducing life
- \cdot Smart power ensures constant light, independent of mains fluctuations
- Up to 60% reduction in energy consumption by using automatic lighting control systems
- Stop circuit is activated within 5 seconds in the event of lamp failure (safety stop), and ballast resets automatically after lamp replacement

Application

• Indoor, general and task lighting applications in combination with lighting control systems (personal control, daylight linking and/or movement detection)

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Dimensional drawing



Product	D1	C1	A1	A2	B1
HF-R 149 TL5 EII 220-240V	4.2 mm	22 mm	360 mm	350 mm	30 mm
50/60Hz					
HF-R 249 TL5 EII 220-240V	4.2 mm	22 mm	360 mm	350 mm	30 mm
50/60Hz					
HF-R 280 TL5/PL-L EII 220-240V	4.2 mm	22 mm	425 mm	415 mm	30 mm
50/60Hz					
HF-R 414 TL5 EII 220-240V	4.2 mm	22 mm	359 mm	350 mm	39 mm
50/60Hz					
HF-R 424 TL5/PL-L EII 220-240V	4.2 mm	22 mm	359 mm	350 mm	39 mm
50/60Hz					
HF-R 2 14-35 TL5 EII 220-240V	4.2 mm	22 mm	360 mm	350 mm	30 mm
50/60Hz					
HF-R 114-35 TL5 EII 220-240V	4.2 mm	22 mm	360 mm	350 mm	30 mm
50/60Hz					
HF-R 139 TL5 EII 220-240V	4.2 mm	22 mm	359 mm	350 mm	30 mm
50/60Hz					
HF-R 239 TL5 EII 220-240V	4.2 mm	22 mm	359 mm	350 mm	30 mm
50/60Hz					

Approval and application	
Energy Efficiency Index	A1 BAT
Operating and electrical	
Input Frequency	50 to 60 Hz
Input Voltage	220 to 240 V
General information	
Lamp Type	TL5
Mechanical and housing	
Housing	L 360x30x21

General information

		Number Of	
		Products On	МСВ
		(16A Type B)	
Order Code	Full Product Name	(Nom)	Number Of Lamps
90998530	HF-R 149 TL5 EII 220-240V	28	1 piece/unit
	50/60Hz		
91003530	HF-R 249 TL5 EII 220-240V	12	2 piece/unit
	50/60Hz		

		Number Of Products On MCB	
Order Code	Full Product Name	(16A Type B) (Nom)	Number Of Lamps
91178030	HF-R 214-35 TL5 EII 220-240V 50/60Hz	12	2 piece/unit
91180330	HF-R 114-35 TL5 EII 220-240V 50/60Hz	28	1 piece/unit

System characteristics

Order Code	Full Product Name	Rated Ballast-Lamp Power
90998530	HF-R 149 TL5 EII 220-240V 50/60Hz	49 W
91003530	HF-R 249 TL5 EII 220-240V 50/60Hz	49 W

Order Code	Full Product Name	Rated Ballast-Lamp Power
91178030	HF-R 214-35 TL5 EII 220-240V 50/60Hz	14-35 W
91180330	HF-R 1 14-35 TL5 EII 220-240V 50/60Hz	14-35 W

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