



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

HF-Regulator II for PL-L lamps

High-frequency electronic dimming ballast, using the analog protocol (1-10 V) for PL-L lamps. The ballast is primarily designed for Indoor application. For outdoor application, the luminaire should be minimum Class II and need to be sufficiently protected against water & dust. The installation should also be guard against any lightning surge or any other necessary electrical protection as deemed in such typical installation & application.

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

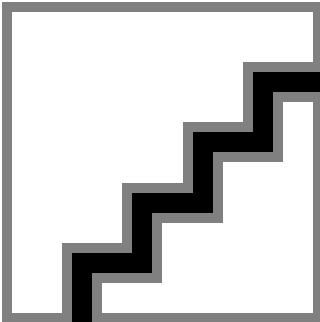
- Programmed start: flicker-free ignition < 0.5 seconds and striation-free operation, no stroboscopic effects. Preheating the lamp electrodes enables the lamps to be switched on and off without reducing life
- Smart power ensures constant light, independent of mains fluctuations
- Up to 60% reduction 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

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Application

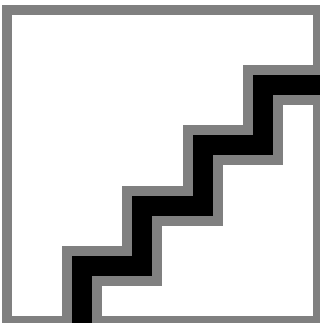
- Indoor, general and task lighting applications in combination with lighting control systems (personal control, daylight linking and/or movement detection)

Versions



HF-R Analog 180 TL5/PLL
220-240V 50/60Hz

Dimensional drawing



Product	D1	C1	A1	A2	B1
HF-R 424 TL5/PL-L EII 220-240V 50/60Hz	4.2 mm	22 mm	359 mm	350 mm	39 mm
HF-R 280 TL5/PL-L EII 220-240V 50/60Hz	4.2 mm	22 mm	425 mm	415 mm	30 mm
HF-R 180 TL5/PL-L EII 220-240V 50/60Hz	4.2 mm	22 mm	360 mm	350 mm	30 mm

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/PL-L

General Information

Order Code	Full Product Name	Number Of Products On MCB (16A Type B) (Nom)	Number Of Lamps
913700609066	HF-R 180 TL5/PL-L EII 220-240V 50/60Hz	12	1 piece/unit
913700609166	HF-R 280 TL5/PL-L EII 220-240V 50/60Hz	9	2 piece/unit

Order Code	Full Product Name	Number Of Products On MCB (16A Type B) (Nom)	Number Of Lamps
913700614866	HF-R 424 TL5/PL-L EII 220-240V 50/60Hz	12	4 piece/unit

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Mechanical and Housing

Order Code	Full Product Name	Housing
913700609066	HF-R 180 TL5/PL-L EII 220-240V 50/60Hz	L 360x30x21
913700609166	HF-R 280 TL5/PL-L EII 220-240V 50/60Hz	L 425x30x21

Order Code	Full Product Name	Housing
913700614866	HF-R 424 TL5/PL-L EII 220-240V 50/60Hz	L 359x39x22

System characteristics

Order Code	Full Product Name	Rated Ballast-Lamp Power
913700609066	HF-R 180 TL5/PL-L EII 220-240V 50/60Hz	80 W
913700609166	HF-R 280 TL5/PL-L EII 220-240V 50/60Hz	80 W

Order Code	Full Product Name	Rated Ballast-Lamp Power
913700614866	HF-R 424 TL5/PL-L EII 220-240V 50/60Hz	24 W

