



# Product Description

## HF-Regulator II for TL5 lamps

Flat, lightweight high-frequency electronic regulating ballast, using 1-10V protocol for TL5 fluorescent 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
- 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

- 1-10V installations with daylight linking and/or movement detection (for energy savings)
- 1-10V installations with remote control systems (combining energy savings with comfort)
- Installations with emergency back-up, according to IEC 60598-2-22

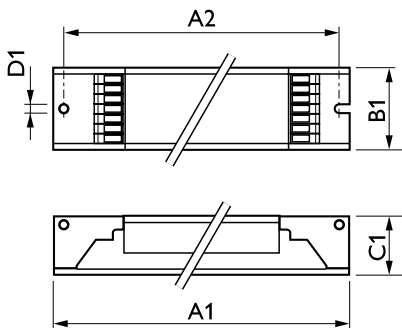
# HF-Regulator II for TL5 lamps

## Versions



HF-R 149 TL5 EII 220-240V 50/60Hz

## Dimensional drawing



Product	D1	C1	A1	A2	B1
HF-R 149 TL5 EII 220-240V 50/60Hz	4.2 mm	22 mm	360 mm	350 mm	30 mm
HF-R 114-35 TL5 EII 220-240V 50/60Hz	4.2 mm	22 mm	360 mm	350 mm	30 mm
HF-R 249 TL5 EII 220-240V 50/60Hz	4.2 mm	22 mm	360 mm	350 mm	30 mm
HF-R 214-35 TL5 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

### Mechanical and housing

Housing L 360x30x21

## General information

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

Order Code	Full Product Name	Number Of Products On MCB (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

## HF-Regulator II for TL5 lamps

### System characteristics

Order Code	Full Product Name	Rated Ballast-Lamp Power	Order Code	Full Product Name	Rated Ballast-Lamp Power
90998530	HF-R 149 TL5 EII 220-240V 50/60Hz	49 W	91178030	HF-R 2 14-35 TL5 EII 220-240V 50/60Hz	14-35 W
91003530	HF-R 249 TL5 EII 220-240V 50/60Hz	49 W	91180330	HF-R 1 14-35 TL5 EII 220-240V 50/60Hz	14-35 W

