



# Product Description

## HF-Regulator II for TL-D lamps

Flat, lightweight high-frequency electronic regulating ballast, using 1-10V protocol for TL-D 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)
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- Compliant with European and Asian norms and suitable for emergency lighting systems
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- HF operation improves light quality, lamp lifetime
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- Combined with controls, additional energy savings can be achieved
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### 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
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- Smart power ensures constant light, independent of mains fluctuations.
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- Up to 60% reduction in energy consumption by using automatic lighting control systems
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- 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)
- 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

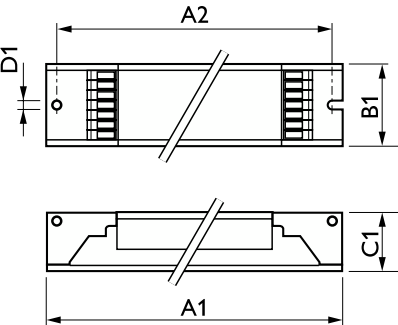
### Versions



GPFR R2ANTLPL PHL

# HF-Regulator II for TL-D lamps

## Dimensional drawing



| Product                            | D1     | C1    | A1     | A2     | B1    |
|------------------------------------|--------|-------|--------|--------|-------|
| HF-R 136 TL-D EII 220-240V 50/60Hz | 4.2 mm | 22 mm | 360 mm | 350 mm | 30 mm |
| HF-R 236 TL-D EII 220-240V 50/60Hz | 4.2 mm | 22 mm | 360 mm | 350 mm | 30 mm |

| Operating and Electrical |              |
|--------------------------|--------------|
| Input Frequency          | 50 to 60 Hz  |
| Input Voltage            | 220 to 240 V |
| Line Frequency           | 50 to 60 Hz  |
| Mechanical and Housing   |              |
| Housing                  | L 360x30x21  |
| Approval and Application |              |
| Energy Efficiency Index  | A1 BAT       |

## Operating and Electrical

| Order Code   | Full Product Name                  | Number of Products on MCB<br>(16A Type B) (Nom) |
|--------------|------------------------------------|-------------------------------------------------|
| 913700609266 | HF-R 136 TL-D EII 220-240V 50/60Hz | 28                                              |

| Order Code   | Full Product Name                  | Number of Products on MCB<br>(16A Type B) (Nom) |
|--------------|------------------------------------|-------------------------------------------------|
| 913700609366 | HF-R 236 TL-D EII 220-240V 50/60Hz | 12                                              |

