## PHILIPS

## HF-Regulator II for TL-D lamps Dimming: a next step in energy saving

## HF-Regulator II for TL-D lamps

High-frequency electronic dimming ballast, using the analog protocol (1-10 V) for TL-D 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

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


## Versions

## GPPR R2ANTLPL PHL

## 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 |


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