# HF-Essential II for TL5 and TL-D

## HF-Essential II for TL5/TL-D

Essentially smart and reliable. HF-Essential II is the most cost-effective solution for reliably operation of a fluorescent lamp. It is also the ideal entry-level product for electromagnetic system users who want to take advantage of the benefits provided by electronic ballasts. The cost-saving and reliable HF-Essential II is energy efficiency class A2, and its robust design meets all relevant international safety and performance standards. HF- Essential II is the ideal choice for a broad range of new construction and retrofit applications within the commercial sector, including general surface mounting and office lighting, parking garages, warehouses and other applications.

### Benefits
- Average nominal service lifetime over 45,000 hours (at Ta 50 °C)
- Optimized lamp preheating for min. 25,000 on/off switch operations without replacement of lamps
- Has CE, KEMA, CCC marks of conformity

### Features
- Multi-power technology for precision operation of multiple lamp types of various wattages
- Mono/Dual function: operation with 1 or 2 lamps
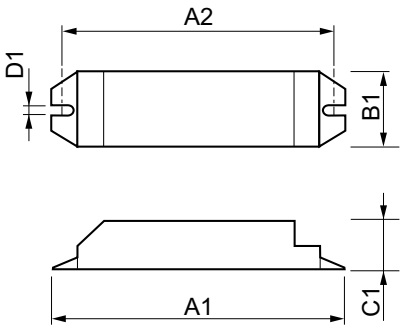- Maximum reliability in system operation

### Application
- Suitable for DC operation and emergency lighting installations
- Extended lamp life in frequent- switching applications without replacement of lamps, e.g. where occupancy sensors or motion detectors are used with 15 switches per day
- For luminairies of protection class I and protection class II used in office buildings, hospitals, supermarkets, department stores, and schools

# HF-Essential II for TL5/TL-D

## Versions



## Dimensional drawing



| Product | D1 | C1 | A1 | A2 | B1 |
|---|---|---|---|---|---|
| HF-E 1/2 54 TL5 II 220-240V 50/60Hz | 4.2 mm | 22.7 mm | 280.0 mm | 270.0 mm | 30.0 mm |
| HF-E II 236 TL-D 220-240V 50/60Hz | 4.2 mm | 28.7 mm | 211.0 mm | 198.0 mm | 39.6 mm |

| Operating and Electrical | |
|---|---|
| Input Frequency | 50 to 60 Hz |
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |

| Approval and Application | |
|---|---|
| Energy Efficiency Index | A2 |

## Operating and Electrical

| Order Code | Full Product Name | Number of Products on MCB (16A Type B) (Nom) |
|---|---|---|
| 77066400 | HF-E 1/2 54 TL5 II 220-240 50/60Hz | 20 |

# HF-Essential II for TL5/TL-D

| Order Code | Full Product Name | Number of Products on MCB (16A Type B) (Nom) |
|---|---|---|
| 77058900 | HF-E 236 TL-D II 220-240 50/60Hz | 16 |

## Mechanical and Housing

| Order Code | Full Product Name | Housing | Order Code | Full Product Name | Housing |
|---|---|---|---|---|---|
| 77066400 | HF-E 1/2 54 TL5 II 220-240 50/60Hz | L280x30x22,7 | 77058900 | HF-E 236 TL-D II 220-240 50/60Hz | L 211x40x28.7 |

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