PHILIPS

# HF-Basic II for TL-D lamps

HFBII



## Product Description

Affordable, reliable, CE complying, high frequency electronic ballast for TLD fluorescent lamps Ideal alternative for electromagnetic (EM) ballasts

### Benefits

- Savings of 25% energy compared to electromagnetic “C-type” ballasts
- Instant start gives “direct” light
- HF-operation eliminates eye strain as caused by electromagnetic ballasts
- No igniter/capacitor needed, simplified wiring compared to Electromagnetic Solutions
- The HF-B TLD range has a robust design and meets internal safety, EMC and Immunity tests
- Offers the flexibility for simple wiring release possibility
- Including safety approbation via an external test-house covering IEC/EN 61347
- Automatic restart (after voltage dip or lamp exchange) ensures easy operation and hassle free re-lamping

### Applications

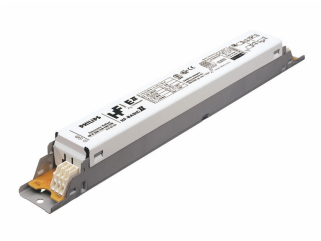
- Designed for applications where lamps burn for a long period of time and switching cycle (on/off) is infrequent (e.g. maximum 3 times a day)
- Ideal for installations such as department stores, airports, offices
- Suitable for high risk or explosive areas

### Features

- Energy efficient CELMA EEI = A2
- Complying to CE, VDE-EMC, and ENEC
- 50.000 hour lifetime at 75°C (Tc max) and >4.000 on/off switches on one lamp
- Active power factor correction, smart power
- Instant start, flicker-free start
- High power factor >0.96 with THD <15%
- Required battery voltage for guaranteed ignition 198 - 254 V

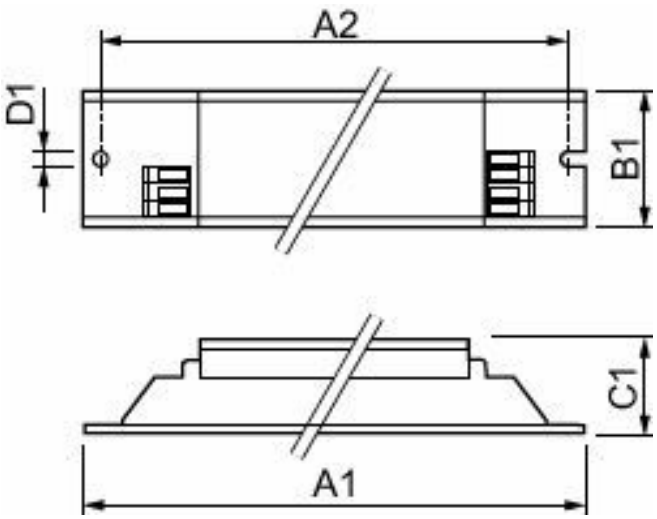
- Required battery voltage for burning lamps 176 - 254 V
- Nominal light output is obtained at the DC voltage of 220 - 240 V
- EMC compliant to EN 55015 2006 + A1 2007
- Universal connector WAGO 251

## Versions



GPPR_BTLDE2_PHL-Product photo

## Dimensional drawing




| Product | D1 | C1 | A1 | A2 | B1 |
|---|---|---|---|---|---|
| HF-B 136/236 TL-D EII 220-240V 50/60Hz | 4.2 mm | 28.0 mm | 280.0 mm | 265.0 mm | 30.0 mm |
| HF-B 158/258 TL-D EII 220-240V 50/60Hz | 4.2 mm | 28.0 mm | 280.0 mm | 265.0 mm | 30.0 mm |

### Operating and Electrical

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

### Mechanical and Housing

| | |
|---|---|
| Housing | - [Not Specified] |

### Approval and Application

| | |
|---|---|
| Energy Efficiency Index | A2 |

## Operating and Electrical

| Order Code | Full Product Name | Number of Products on MCB (16A Type B) (Nom) |
|---|---|---|
| 913700192866 | HF-B 136/236 TL-D EII 220-240V 50/60Hz | 28 |
| 913700192966 | HF-B 158/258 TL-D EII 220-240V 50/60Hz | 12 |

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