

# Product Description

## HF-Basic II for TL-D lamps

Second-generation slim, lightweight HF electronic ballasts for TL-D and PL-L fluorescent lamps, using Philips EII technology for applications with low switching frequency

### 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

### Features

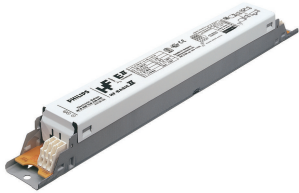
- Energy efficient CELMA EEI = A2
- Complying to CE, VDE-EMC, and ENEC
- 50.000 hour lifetime at 75°C (Tc max) and >4.000 on/off switches on one lamp
- Active power factor correction, smart power
- Instant start, flicker-free start
- High power factor >0.96 with THD <15%
- Required battery voltage for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

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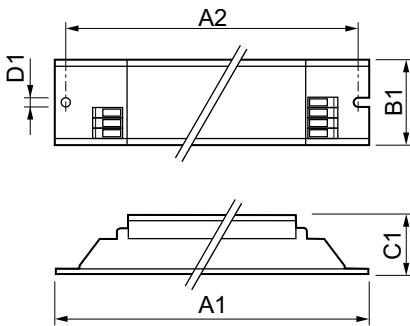
## Application

- Department stores, shops, supermarkets, industrial premises with long burning hours
- Offices and corridors with low switching frequency
- Airports, railway stations
- Outdoor lighting; in general suitable for Class I applications
- Installations with emergency back-up, according to VDE 0108 with re-ignition <0.5 s

## Versions



## Dimensional drawing



Product	D1	C1	A1	A2	B1
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
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

### Approval and Application

Energy Efficiency Index A2

### Operating and Electrical

Input Frequency 50 to 60 Hz  
Input Voltage 220 to 240 V

### General Information

Number Of Lamps 2 piece/unit  
Lamp Type TL-D

### Mechanical and Housing

Housing -

## General Information

## HF-Basic II for TL-D lamps

Order Code	Full Product Name	Number Of Products On MCB (16A Type B) (Nom)
93158030	HF-B 136/236 TL-D EII 220-240V 50/60Hz	28

Order Code	Full Product Name	Number Of Products On MCB (16A Type B) (Nom)
93160330	HF-B 158/258 TL-D EII 220-240V 50/60Hz	12

### System characteristics

Order Code	Full Product Name	Lamp Power On	Rated Ballast-
		TL-D	Lamp Power
93158030	HF-B 136/236 TL-D EII 220-240V 50/60Hz	32 W	36 W

Order Code	Full Product Name	Lamp Power On	Rated Ballast-
		TL-D	Lamp Power
93160330	HF-B 158/258 TL-D EII 220-240V 50/60Hz	50 W	58 W

