

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 EI 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

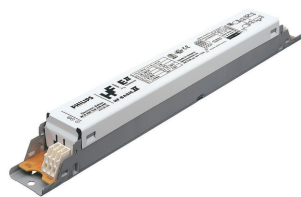
- Energy efficient CELMA EEI = A2
- Complying to CE, VDE-EMC, and ENEC
- 50.000 hour lifetime at 75°C (Tc max) and >4.000 on/off switches on one lamp
- Active power factor correction, smart power
- Instant start, flicker-free start
- High power factor >0.96 with THD <15%
- Required battery voltage for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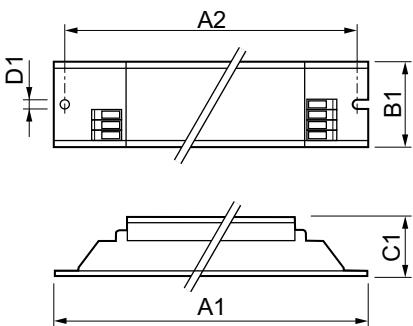
Application

- 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 TL-D	Rated Ballast- 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 TL-D	Rated Ballast- Lamp Power
93160330	HF-B 158/258 TL-D EII 220-240V 50/60Hz	50 W	58 W

