# **PHILIPS** Lighting



# **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
  olutions
- The HF-B TLD range has a robust design and meets internal safety, EMC and Immunity tests
- $\cdot$  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
- nd 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
- $\cdot$  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
- $\cdot$  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

## HF-Basic II for TL-D lamps

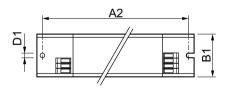
#### Application

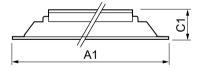
- Department stores, shops, supermarkets, industrial premises with long burning hours
- $\cdot$  Offices and corridors with low switching frequency
- Airports, railway stations
- Outdoor lighting; in general suitable for Class I applications
- $\cdot$  Installations with emergency back-up, according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

#### Versions



#### **Dimensional drawing**





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**

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

### HF-Basic II for TL-D lamps

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

			Number Of Products On MCB		
Order 0	Code	Full Product Name	(16A Type B) (Nom)		
931603	30	HF-B 158/258 TL-D EII 220-240V 50/60Hz	12		

#### System characteristics

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

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



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