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

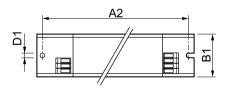
Application

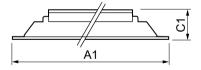
- Department stores, shops, supermarkets, industrial premises with long burning hours
- \cdot Offices and corridors with low switching frequency
- Airports, railway stations
- Outdoor lighting; in general suitable for Class I applications
- \cdot Installations with emergency back-up, according to VDE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



© 2020 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.

www.lighting.philips.com 2020, June 2 - data subject to change