



HF-Essential for TL5/TL-D

HF-E 228 TL5 220-240 50/60Hz

Essentially smart and reliable. HF-Essential is the most cost-effective, slim and affordable ballast to reliably operate a fluorescent lamp. It is also the ideal entry-level product for EM system users who want to enjoy the benefits offered by electronic ballasts. The cost-saving and reliable HF-Essential has an energy efficiency class A2, and its robust design meets all relevant international safety and performance standards. HF-Essential is intended for use with indoor lighting fixtures such as recessed luminaires, which are largely used in office, industrial, hotel, restaurant and other applications. The ballast is primarily designed for Indoor application. For outdoor application, the luminaire should be minimum Classland need to be sufficiently protected against water & dust. The installation should also be guard against any lightening surge or any other necessary electrical protection as deemed in such typical installation & application.

Product data

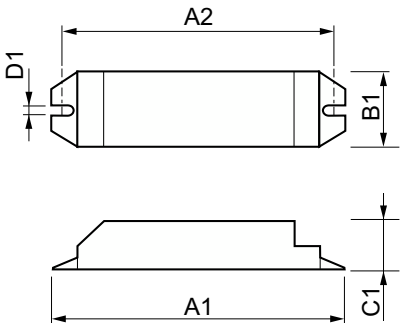
Operating and Electrical		Temperature	
Input Voltage	220 to 240 V	Ambient temperature range	0 °C to 50 °C
Line Frequency	50 to 60 Hz	T-Case Lifetime (Nom)	75 °C
Input Frequency	50 to 60 Hz	T-Case Maximum (Max)	75 °C
Earth Leakage Current (Max)	0.5 mA	Mechanical and Housing	
Inrush Current Width	0.35 ms	Housing	L 275x29.6x25.5
Inrush Current Peak (Max)	20 A	Approval and Application	
Wiring		Ingress protection code	IP20 [Finger-protected]
Connector Type Input Terminals	Insert	Energy Efficiency Index	A2
Connector Type Output Terminals	Insert		

HF-Essential for TL5/TL-D

Approval Marks	CE marking C-Tick certificate CB Certificate KEMA
	Keur certificate ISO9001 RoHS Compliant
Product Data	
Order product name	HF-E 228 TL5 220-240 50/60Hz
Full product name	HF-E 228 TL5 220-240 50/60Hz
Full product code	871829166887900
Order code	913713039766

Material Nr. (12NC)	913713039766
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291668879
Numerator - Packs per outer box	20
EAN/UPC - Case	8718291668886

Dimensional drawing



Product	D1	C1	A1	A2	B1
HF-E 228 TL5 220-240 50/60Hz	4.2 mm	25.5 mm	275.0 mm	263.0 mm	29.6 mm

