



# HF-Essential for TL5/TL-D

# HF-E 418 TL-D 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**

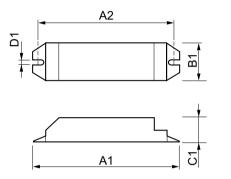
Operating and Electrical		Temperature				
Input Voltage	220 to 240 V	Ambient temperature range	-10 °C to 50 °C			
Line Frequency	50 to 60 Hz	T-Case Lifetime (Nom)	75 ℃			
Input Frequency	50 to 60 Hz	T-Case Maximum (Max)	75 ℃			
Earth Leakage Current (Max)	0.5 mA					
Inrush Current Width	0.37 ms	Mechanical and Housing	Mechanical and Housing			
Inrush Current Peak (Max)	20 A	Housing	L211x40x30			
Wiring		Approval and Application				
Connector Type Input Termina	<b>ls</b> Insert	Ingress protection code	IP20 [Finger-protected]			
Connector Type Output Terminals Insert		Energy Efficiency Index	A2			

## HF-Essential for TL5/TL-D

CE marking C-Tick certificate CB Certificate KEMA		
Keur certificate RoHS Compliant		
HF-E 418 TL-D 220-240 50/60Hz		
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871829166877000		
913713039266		

Material Nr. (12NC)	913713039266
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291668770
Numerator - Packs per outer box	20
EAN/UPC - Case	8718291668787

### Dimensional drawing



Product	D1	C1	A1	A2	B1
HF-E 418 TL-D 220-240 50/60Hz	4.2 mm	30.0 mm	211.0 mm	197.0 mm	40.0 mm



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