

MASTER LEDtube HF InstantFit compatibility list Apr 14

Electronic ballast (HF) uses switch mode power supply to transform the input voltage. It also changes the frequency of the power from 50 Hz to 20.000 Hz or higher, depending on the ballast. The efficiency of an Electronic ballast is higher compared to an EM ballast. An Electro magnetic ballast shows no flicker. Electrtronic ballast don't need a starter, so no starter can be found in a HF luminaire.

	Ballast is compatible
	Ballast is not compatible, will not work according to Philips claimed specifications.
	Non dimmable
	Ballast LEDtube combination not tested

This document is for information purposes and must be treated as recommendation.

Philips attempted to provide best results, results are generated in lab controlled environment nd may differ from actual application conditions

MASTER LEDtube HF,
InstantFit 4ft 1600lm

	Ballast type	Lamps on ballast	AC (50Hz) on HF Ballast Compatible
	HF-B 136 TL-D 220-240V	1	
	HF-B 136 TL-D EII 220-240V 50/60Hz	1	
	HF-B 236 TL-D 220-240V	2	
	HF-B 236 TL-D EII 220-240V 50/60Hz	2	
	HF-K 136 TLD 220-240	1	
	HF-P 136 TL-D III 220-240V 50/60Hz IDC	1	
	HF-P 236 TL-D III 220-240V 50/60Hz IDC	2	
	HF-P 336 TL-D III 220-240V 50/60Hz IDC	3	
	HF-P Xt 136 TL-D EII 220-240V 50/60Hz	1	
	HF-P Xt 236 TL-D EII 220-240V 50/60Hz	2	
	HF-Performer 136 TL-D 220-240V 50/60Hz	1	
	HF-Performer 136 TLD EII 220-240 V 50/60Hz	1	
	HF-Performer 236 TL-D 220-240V	2	
	HF-Performer 236 TL-D 220-240V 50/60Hz	2	
	HF-Pi 1 14/21/24/39 TL5 EII 220-240	1	
	HF-R 136 TL-D 220-240V 50/60Hz	1	*
	HF-R 236 TL-D 220-240V 50/60Hz	2	*
	HF-S 136 TL-D II 220-240V 50/60Hz	1	
	HF-S 236 TL-D II 220-240V 50/60Hz	2	
	HF-S 336 TL-D II 220-240V 50/60Hz	3	
OSRAM	QT-FIT8 1x36	1	
	QT-FIT8 2x36	2	
	QTP8 1x36 Profesional	1	
	QTP8 2x36 Profesional	2	
HELVAR	EL1x36/40/18s	1	
	EL1x36HF 230-240V 50-60Hz	1	
	EL1x36ngn	1	
	EL2x36/40s	2	
	EL2x36ngn	2	
TRIDONIC ATCO	PC 1/36 T8 INDUSTRY 220-240 V 50/60/0 Hz	1	
	PC 1/36 T8 PRO 220-240 V 50/60/0 Hz	1	
	PC 1/36 T8 PRO Ip 220-240 V 50/60/0 Hz	1	
	PC 2/36 T8 INDUSTRY 220-240 V 50/60/0 Hz	2	
	PC 2/36 T8 PRO 220-240 V 50/60/0 Hz	2	
VOSSLOH- SCHWABE	ELXc 136.207	1	
	ELXc 236.202	2	
	ELXc 236.208	2	
	ELXe 238.527 Dual lamp	2	
	ELXe 238.527 Single lamp	1	
BAG- HUECO	BCS36.1FX-11/220-240	1	
	BCS36.2FX-11/220-240	2	
	D 36.2-23021 E (digital) 236W	2	
	ECS 36.2 S- 01 / 220 - 240	2	
Trilux	D58.1-23021 E 136W	1	
	DD58.1-23031 E 136W	1	

Others	EM ballast	1	
	Direct Mains	1	

*) LEDtube is not developed for dimming therefore the performance cannot be guaranteed in a dimming application.
In case of usage in a dimmable application, warranty does not apply.

**) The columns "energy saving TLD => LEDtube" shows the total system energy savings, so lamp + electronic ballast

Please note that our Philips LEDtubes are only tested with HF ballast on AC operation.
The performance of Philips LEDtubes on HF ballasts with DC operation is not tested and is therefore not guaranteed.

This LED tube is designed to work on HF ballasts only. For EM ballasts or direct mains connection,
please contact a Philips sales representative for more information on our EM/Mains compatible range

This document is for information purposes only and must be treated as recommendation.

Although Philips aims to provide the most accurate information and test results from controlled experiments the results may vary in different applications.

Philips will not accept claims for any damage caused by implementing the recommendations in this document.

This document focuses on behavior of above mentioned Philips LEDtube.

Please also check and follow the instructions of HF ballast manufacturers for installation instructions.