



## MASTER LEDtube HF InstantFit compatibility list

This 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. An electronic ballast offers higher efficiency than an electromagnetic (EM) ballast. An EM ballast causes no flicker. Electronic ballasts do not need a starter, so no starter is found in an HF luminaire. This document is for information purposes only and must be treated as a recommendation. Philips has attempted to provide the most accurate results possible; results are generated in a controlled lab environment and may differ in actual application conditions.

	Ballast is compatible
	Ballast is not compatible, will not work in accordance with Philips' claimed specifications
	Non-dimmable
	Ballast LEDtube combination not tested

		Ballast type	Lamps on ballast	MASTER LEDtube HF, InstantFit 4ft, 1600lm AC (50 Hz) on HF ballast compatibility
<b>PHILIPS</b>		EB-S 136 TLD 220-230	1	
		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-E 136 TL-D	1	
		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 TLS 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		
<b>OSRAM</b>		QT-FIT8 1x36	1	
		QT-FIT8 2x36	2	
		QTP8 1x36 Profesional	1	
		QTP8 2x36 Profesional	2	
<b>HELVAR</b>		EL1x36/40/18s	1	
		EL1x36HF 230-240V 50-60Hz	1	
		EL1x36ngn	1	
		EL2x36/40s	2	
		EL2x36ngn	2	
<b>TRIDONIC ATCO</b>		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	
<b>VOSSLOH-SCHWABE</b>		ELXc 136.207	1	
		ELXc 236.202	2	
		ELXc 236.208	2	
		ELXe 238.527 Dual lamp	2	
		ELXe 238.527 Single lamp	1	
<b>BAG-HUECO</b>		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	
<b>Trilux</b>		D58.1-23021 E 136W	1	
		DD58.1-23031 E 136W	1	
<b>Others</b>		EM ballast	1	
		Direct Mains	1	

\*) LEDtube has not been developed for dimming, therefore the performance cannot be guaranteed in a dimming application. If used in a dimmable application, the warranty does not apply.

\*\*) The columns "energy saving TLD => LEDtube" show the total system energy savings, i.e. lamp + electronic ballast

Please note that our Philips LEDtubes are only tested with HF ballast in 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 a 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 the behavior of the above-mentioned Philips LEDtube. Please also check and follow the instructions of HF ballast manufacturers for installation instructions.