

# 1200 mm MASTER LEDtube HF InstantFit

## Ballast Compatibility



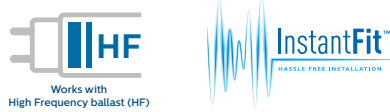
**Dimming a LEDtube:** Ballast types indicated in this list with DIM are conditional released by Philips to offer dimming functionality. Please note that the dimming curve of the LEDtube might differ from the curve of a fluorescent lamp. To ensure optimal performance in some cases slight adjustment to the installation might be required (eg. adding series resistor). Please contact your Philips representative for more information about this.

**General notes:** 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 behaviour of above mentioned Philips LEDtube. Please also check and follow the instructions of HF ballast manufacturers for installation instructions.

### KEY

	Ballast is compatible
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible, will not work according to Philips claimed specifications
	Ballast LEDtube combination not tested

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	Ballast type	10nc / Ref. no.	Lamps on ballast	MASTER LEDtube HF, InstantFit 4 ft	
				1600 lm AC (50 Hz) on HF Ballast Compatible	2100 lm AC (50 Hz) on HF Ballast Compatible
PHILIPS	EB-S 136 TLD 220-230	9137130215	1		
	EB-S 236 TL-D 220-230 potting	9137130216	2		
	HF-B 136 TL-D 220-240V	9137001122	1		
	HF-B 136 TL-D EII 220-240V 50/60Hz	9137001926	1		
	HF-B 236 TL-D 220-240V	9137001124	2		
	HF-B 236 TL-D EII 220-240V 50/60Hz	9137001928	2		
	HF-E 136 TL-D	9137130388	1		
	HF-E 136 TL-D II	9137130410	1		
	HF-E 236 TL-D	9137130391	2		
	HF-E 236 TL-D II	9137130411	2		
	HF-K 136 TLD 220-240	9137001477	1		
	HF-P 136 TL-D III 220-240V 50/60Hz IDC	9137130315	1		
	HF-P 236 TL-D III 220-240V 50/60Hz IDC	9137130316	2		
	HF-P 336 TL-D III 220-240V 50/60Hz IDC	9137130317	3		
	HF-P Xt 136 TL-D EII 220-240V 50/60Hz	9137006177	1		
	HF-P Xt 236 TL-D EII 220-240V 50/60Hz	9137006178	2		
	HF-Performer 136 TL-D 220-240V 50/60Hz	9137001184	1		
	HF-Performer 136 TLD EII 220-240 V 50/60Hz	9137001911	1		
	HF-Performer 236 TL-D 220-240V	9137001112	2		
	HF-Performer 236 TL-D 220-240V 50/60Hz	9137001364	2		
	HF-Pi 1 14/21/24/39 TL5 EII 220-240	9137006240	1		
	HF-R 136 TL-D EII 220-240V 50/60Hz	9137006092	1	Dim	Dim
	HF-R 236 TL-D EII 220-240V 50/60Hz	9137006093	2		Dim
	HF-R 136 TL-D 220-240V 50/60Hz	9137001117	1		
	HF-R 236 TL-D 220-240V 50/60Hz	9137001120	2		
	HF-S 136 TL-D II 220-240V 50/60Hz	9137130321	1		
	HF-S 236 TL-D II 220-240V 50/60Hz	9137130324	2		
HF-S 336 TL-D II 220-240V 50/60Hz	9137130327	3			
OSRAM	QT-FIT8 1x36	A13670F00DG	1		
	QT-FIT8 2x36		2		
	QTP8 1x36 Professional	A63162D00DG	1		
	QTP8 2x36 Professional	A63166E00DG	2		
	QTP-OPTIMAL 1*18-40 Professional		1		
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	86458035	1		
	PC 1/36 T8 PRO 220-240 V 50/60/0 Hz	22176217	1		
	PC 1/36 T8 PRO Ip 220-240 V 50/60/0 Hz	22185214	1		
	PC 2/36 T8 INDUSTRY 220-240 V 50/60/0 Hz	86458036	2		
	PC 2/36 T8 PRO 220-240 V 50/60/0 Hz	22185217	2		
VOSSLOH-SCHWABE	ELXc 136.207	188708	1		
	ELXc 236.202	188316	2		
	ELXc 236.208	188705	2		
	ELXe 238.527 Dual lamp	188137	2		
	ELXe 238.527 Single lamp	188137	1		
BAC-HUECO	BCS36.1FX-11/220-240	10077590	1		
	BCS36.2FX-11/220-240	10077591	2		
	D 36.2-23021 E (digital) 236W	166132	2		
	D58.1-23021E (digital)	166072	1		
	ECS 36.2 S- 01 / 220 - 240	167032	2		
Tritlux	D58.1-23021 E 136W		1		
	DD58.1-23031 E 136W		1		
Others	EM ballast		1		
	Direct Mains		1		

# 1500 mm MASTER LEDtube HF InstantFit

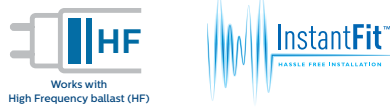
## Ballast Compatibility



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	Ballast LEDtube combination not tested

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	Ballast type	10nc / Ref. no.	Lamps on ballast	MASTER LEDtube HF, InstantFit 1500 mm 2000 lm	MASTER LEDtube HF, InstantFit 1500 mm 3100 lm
				AC (50 Hz) on HF Ballast Compatible	AC (50 Hz) on HF Ballast Compatible
PHILIPS	E-kyoto II 158 TLD 220-240V	9137 006 075	1		
	HF-B 158 TL-D	9137 001 123	1		
	HF-B 158 TL-D EII 220-240V 50/60Hz	9137 001 927	1		
	HF-B 258 TL-D	9137 001 125	2		
	HF-B 258 TL-D EII 220-240V 50/60Hz	9137 001 929	2		
	HF-E 158 TL-D	9137 130 389	1		
	HF-E 158 TL-D II Dual lamp	9137 130 409	2		
	HF-E 158 TL-D II Single lamp	9137 130 409	1		
	HF-P 158 TLD 220-240	9137 001 365	1		
	HF-P 158 TLD EII 220-240V 50/60Hz	9137 001 912	1		
	HF-P 158 TL-D III 220-240V 50/60Hz IDC	9137 130 318	1		
	HF-P 258 TLD EII 220-240V 50/60Hz	9137 001 916	2		
	HF-P 258 TL-D III 220-240V 50/60Hz IDC	9137 130 319	2		
	HF-P Xt 158 TL-D EII 220-240V 50/60Hz	9137 006 179	1		
	HF-P Xt 258 TL-D EII 220-240V 50/60Hz	9137 006 180	2		
	HF-Performer 158 TL-D 220-240V 50/60Hz	9137 001 185	1		
	HF-Performer 258 TL-D 220-240V 50/60Hz	9137 001 110	2		
	HF-R 158 TLD	9137 001 116	1		
	HF-R 258 TLD	9137 001 119	2		
	HF-R EII 158	9137 006 094	1	Dim*	Dim
	HF-R EII 258	9137 006 095	2	Dim*	Dim
	HF-R TD EII 258	9137 006 070	2		
	HF-S 158		1		
	HF-S 158 TL-D II	9137 130 322	1		
HF-S 158 TL-D II 220-240V 50/60Hz	9137 130 322	1			
HF-S 258 TL-D II 220-240V 50/60Hz	9137 130 325	2			
HF-S 258 TL-D II HT	9137 006 899	2			
HF-Select 158 TL-D 220-240V 50/60Hz	9137 006 319	1			
OSRAM	QT Deluxe HF 1x58 230-240 DIM		2		
	QT Deluxe HF 2x58 230-240 DIM		1		
	QT-FIT8 1x58 - 70		1		
	QT-FIT8 2x58 - 70		2		
	QTP8 1x58/230-240		1		
	QTP8 2x58/230-240		2		
	QTP-OPTIMAL 1x54 - 58		1		
	QTP-OPTIMAL 2x54 - 58		2		
	HF 1x58 230-240 DIM		1		
HELVAR	EL1x58ngn		1		
	EL1x58s		1		
	EL2x58es		2		
	EL2x58HF		2		
	EL2x58ngn		2		
	EL2x58s		2		
TRIDONIC ATCO	PC 1/58 T8 INDUSTRY 220-240 V 50/60/0 Hz	86 458 037	1		
	PC 1/58 T8 PRO 220-240 V 50/60/0 Hz	22 176 094	1		
	PC 1x58 T8 PRO Ip	22 185 215	1		
	PC 2/58 T8 INDUSTRY 220-240 V 50/60/0 Hz	86 458 038	2		
	PC 2/58 T8 PRO 220-240 V 50/60/0 Hz	22 176 095	2		
	PC 2x58 E011		2		
	PC 2x58 E011 IDC	22 083 174	2		
	PC 2x58 T8 PRO sl	22 185 218	2		
	PCA 1/58 excel one4all	22 085 286	1		
PCA 2x58 Excell One4all Ip	28 000 040	2			
VOSSLOH-SCHWABE	ELXc 158.201	188315	1		
	ELXc 158.209	188706	1		
	ELXc 158.218	188870	1		
	ELXc 258.203	188317	2		
	ELXc 258.210	188707	2		
	ELXc 258.219	188871	2		
	ELXe 258.222 Dual lamp	188130	2		
	ELXe 258.222 Single lamp	188130	1		

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	Ballast type	10nc / Ref. no.	Lamps on ballast	MASTER LEDtube HF, InstantFit 1500 mm	
				2000 lm	3100 lm
				AC (50 Hz) on HF Ballast Compatible	AC (50 Hz) on HF Ballast Compatible
BAG-HUECO	BCD58.1F-01/220-240/1-10V	1009 7145	1		
	BCS58.1FX-11/220-240	1007 7592	1		
	BCS58.1SR-01/220-240	1005 1002	1		
	BCS58.2FX-11/220-240	1007 7593	2		
	BCS58.2SX-01/220-240	1005 1003	2		
	D58.1-23021 E	166 072	1		
	D58.2-23021 E	166 082	2		
	SCS58.2SR-11/220-240	166 272	2		
Trilux	D58.1-23021 E 158W		1		
	D58.2-23021 E 258W		2		
	DD58.1-23031 E 158W		1		
May - Christle	MCU 158		1		
	MCU 258		2		
Others	Direct mains				
	Electro Magnetic Ballast				

\* Please note that the Philips LEDtubes marked with an asterisk in this document can only be dimmed by adding a series resistor of 15kΩ with 1-10V dim signal to the installation. Only in this way acceptable dimming performance of the lamps can be guaranteed. Philips can not be held responsible for incorrect installation in case of dimmable usage of the LEDtube products. Please contact your Philips representative for more information.

