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## MASTER LEDtube HF InstantFit T5 HO - 1200 mm 📻

Ballast Compatibility

#### KEY

	Ballast is compatible	
*	Ballast is compatible, light output may differ >10% compared to specifications	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 and may differ from actual application conditions
Dim	Ballast is compatible and conditional released for dimming	
	Ballast is not compatible	
	Ballast LEDtube combination not tested	

	Works with High Frequency ballast (HF)			MAS LEDtube HF 1200mm HO 26W 8xx T5 929001338302 929001338402 929001338502
	Ballast type	10nc / Ref. no.	Lamps on ballast	AC (50 Hz) on HF Ballast Compatible
	HF-E 1/2 54 TL5 II	9137 130 408	1	
	HF-E 1/2 54 TL5 II	9137 130 408	2	
	HF-P 154 TL5 HO EII 220-240	9137 006 133	1	
	HF-P 154/155 TL5 HO/PL-L III IDC	9137 130 282	1	
	HF-P 254/255 TL5 HO/PL-L III IDC	9137 130 283	2	
	HF-P Xt 254 TL5 EII 220-240	9137 006 300	2	
BHILIPS	HF-R 154 TL5 220-240	9137 001 291	1	* / Dim
HI	HF-R 254 TL5 EII	9137 006 089	2	
	HF-R DALI 154 TL5 220-240	9137 001 335	1	* / Dim
	HF-R Es 154 TL5	9137 006 618	1	Dim
	HF-R Es 254 TL5	9137 006 619	2	
	HF-R TD 154 TL5 EII 220-240	9137 006 064	1	
	HF-S 154 TL5 II	9137 130 336	1	
	HF-S 254 TL5 II	9137 130 337	2	•
	QT-FIT 5/8 1x54-58		1	
Σ	QT-FIT 5/8 2x54-58		2	
OSRAM	QTP-OPTIMAL 1x54-58		1	
0	QTP-OPTIMAL 2x54-58		2	•
	EL1×54iDim		1	
	EL1×54sc		1	•
AR	EL1x54ngn5		1	
HELVAR	EL1x54s		1	
	EL2×54iDim		2	
	EL2×54sc		2	
	EL2x54ngn5		2	
	PC 1/54 T5 INDUSTRY	89800458	1	
	PC 1x54 T5 PRO lp	22185155	1	
9	PC 1x54 T5 TOP lp	22185165	1	
IC AT	PC 2/54 T5 INDUSTRY	89800459	1	•
TRIDONIC ATCO	PC 2x54 T5 PRO lp	22185156	2	
TRI	PC 2x54 T5 TOP lp	22185166	2	
	PCA 1x54 T5 BASIC lp	22185088	1	
	PCA 2x54 T5 BASIC lp	22185089	2	
VOSSLOH- SCHWABE	ELXc 254.865	188618	2	
-	BCS54.1FX-11/220-240	10077585	1	•
BAG- HUECO	BCD54.1F-01/220-240/1-10V	10097248	1	
BH	BCS54.2FX-11/220-240	10077586	2	•
Others	Direct mains			

#### General note Philips LEDtube InstantFit T5

General notes: Refer to the product reference number in the header of the columns to use this product-ballast compatibility list.

Please note that Philips LEDtubes InstantFit T5 are only tested with HF ballast on AC operation. The performance of Philips LEDtubes InstantFit T5 on HF ballasts with DC operation is not tested and is therefore not guaranteed. Philips LEDtubes InstantFit T5 range is designed to work on HF ballasts only. This document is for information purposes only and must be treated as recommendation. Philips will not accept claims for any damage caused by not implementing the recommendations in this document. Philips does not accept any responsibility, warranty or liability when using Philips LEDtubes with ballasts not mentioned in this list, or when using successor models of the tested ballasts. Although Philips aims to provide the most accurate information and test results from controlled experiments the results may vary in different applications. This document focuses on the behaviour of above mentioned Philips LEDtube. Please also check and follow the instructions of HF ballast manufacturers for installation instructions.

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. All other Philips LED tubes are not developed for dimming therefore the performance cannot be guaranteed in a dimming application. In case of usage of a non dimmable product in a dimmable application, warranty does not apply.

## **PHILIPS**

### MASTER LEDtube HF InstantFit T5 HO - 1500 mm

Ballast Compatibility

#### KEY

		Ballast is compatible	
	*	Ballast is compatible, light output may differ >10% compared to specifications	This document is for information purposes and must be treated as
C	Dim	Ballast is compatible and conditional released for dimming	recommendation. Philips attempted to provide best results, results are generated in lab controlled environment and may differ from actual
		Ballast is not compatible	application conditions
		Ballast LEDtube combination not tested	

	Works with High Frequency ballast (HF)			MAS LEDtube HF 1500mm HO 26W 8xx T5 929001296102 929001296202 929001296302
	Ballast type	10nc / Ref. no.	Lamps on ballast	AC (50 Hz) on HF Ballast Compatible
	HF-E 1/2 49 TL5 II	9137 130 407	1	
	HF-E 1/2 49 TL5 II	9137 130 407	2	
	HF-P149TL5HO220-240	9137 001 660	1	
	HF-P 149 TL5 220-240	9137 001 177	1	
	HF-P 149 TL5 HO EII 220-240	9137 006 132	1	
	HF-P 149 TL5 HO III IDC	9137 130 280	1	
	HF-P 249 TL5 220-240	9137 001 240	2	
	HF-P 249 TL5 HO III IDC	9137 130 281	2	· · · · · · · · · · · · · · · · · · ·
SALLIPS	HF-R 149 TL5 220-240	9137 001 181	1	
E	HF-R TD 149 TL5 EII 220-240	9137 006 062	1	
	HF-S 149 TL5 II	9137 130 334	1	•
	HF-S 249 TL5 II	9137 130 335	2	
	HF-R Es 249 TL5	9137 006 621	2	
	HF-P Xt 249 TL5 Ell 220-240	9137 006 298	2	
	HF-P 249 TL5 220-240	9137 001 324	2	
	HF-R Es 149 TL5	9137 006 620	1	* / Dim
	HF-P Xt 149 TL5 Ell 220-240	9137 006 297	1	
	QT-FIT5 1X49		1	
AM	QT-FIT5 2X49		2	
OSRAM	QT-FQ 1X49/230-240 CW		1	· · · · · · · · · · · · · · · · · · ·
	QTP5 1x49 (SHORTER VERSION)		1	· · · · ·
	QTP5 2X49		2	
	EL1X49ngn5		1	
æ	EL1x49s		1	•
HELVAR	EL1x49s-u		1	•
-	EL2X49ngn5		2	
	EL2x49s		2	
	PC 1/49 T5 INDUSTRY	89800456	1	
	PC 1/49 T5 PRO lp	22087917	1	
	PC 1x49 T5 PRO lp	22185153	1	
8	PC 1x49 T5 TOP lp	22185163	1	
TRIDONIC ATCO	PC 2/49 T5 INDUSTRY	89800457	2	
No <u>l</u>	PC 2/49 T5 PRO lp	22087646	2	
TR	PC 2x49 T5 PRO lp	22185154	2	
	PC 2x49 T5 TOP lp	22185164	2	
	PCA 2/49 T5 ECO lp	22089499	2	
			-	
VOSSLOH- SCHWABE	ELXd 249.614	188343	2	
ს ე	BCS49.1FX-11/220-240	10077583	1	
BAG- HUECO	BCS49.2FX-11/220-240	10077584	2	•
Others	Direct mains			

#### General note Philips LEDtube InstantFit T5

General notes: Refer to the product reference number in the header of the columns to use this product-ballast compatibility list.

Please note that Philips LEDtubes InstantFit T5 are only tested with HF ballast on AC operation. The performance of Philips LEDtubes InstantFit T5 on HF ballasts with DC operation is not tested and is therefore not guaranteed. Philips LEDtubes InstantFit T5 range is designed to work on HF ballasts only. This document is for information purposes only and must be treated as recommendation. Philips will not accept claims for any damage caused by not implementing the recommendations in this document. Philips does not accept any responsibility, warranty or liability when using Philips LEDtubes with ballasts not mentioned in this list, or when using successor models of the tested ballasts. Although Philips aims to provide the most accurate information and test results from controlled experiments the results may vary in different applications. This document focuses on the behaviour of above mentioned Philips LEDtube. Please also check and follow the instructions of HF ballast manufacturers for installation instructions.

Always check the latest update of the compatibility list on www.philips.com/ledtube

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. All other Philips LED tubes are not developed for dimming therefore the performance cannot be guaranteed in a dimming application. In case of usage of a non dimmable product in a dimmable application, warranty does not apply.

## **PHILIPS**

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## MASTER LEDtube HF InstantFit T5 UO - 1500 mm 📻

Ballast Compatibility

#### KEY

	Ballast is compatible	
*	Ballast is compatible, light output may differ >10% compared to specifications	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 and may differ from actual application conditions
Dim	Ballast is compatible and conditional released for dimming	
	Ballast is not compatible	
	Ballast LEDtube combination not tested	

	Works with High Frequency ballast (HF)			MAS LEDtube HF 1500mm UO 36W 8xx T5 929001346102 929001346202 929001346302
	Ballast type	10nc / Ref. no.	Lamps on ballast	AC (50 Hz) on HF Ballast Compatible
	HF-P 2 80 TL5/PL-L III IDC	9137 130 343	2	
	HF-P I 80 TL5/PL-L III IDC	9137 130 342	1	
	HF-P Xt 180 TL5 EII 220-240	9137 006 301	1	• • • • • • • • • • • • • • • • • • •
ş	HF-P Xt 280 TL5 EII 220-240	9137 006 302	2	
PHILIPS	HF-R 180 TL5/PLL EII	9137 006 090	1	* / Dim
ā	HF-R 280 TL5/PLL EII 220-240	9137 006 091	2	
	HF-R TD 180 TL5/PLL 220-240	9137 006 066	1	* / Dim
	HF-R TD 280 TL5/PL-L EII	9137 006 096	2	
	HF-S 2 80 TL5/PL-L II	9137 130 423	2	
_	QT-FQ 1x80/230-240		1	
OSRAM	QT-FQ 2x80		2	
ő	QTP5 1x80		1	
	EL1x80iDim		1	
HELVAR	EL1x80sc		1	
포	EL2x80iDim		2	
	PC 1/80 T5 INDUSTRY	89800460	1	and the second
	PC 1x80 T5 PRO lp	22185209	1	
8	PC 2/80 T5 INDUSTRY	89800461	2	
TRIDONIC ATCO	PC 2x80 T5 PRO lp	22185210	2	•
NO	PCA 1×80 T5 BASIC Ip	22185084	1	•
TRIC	PCA 2x80 T5 BASIC lp	22185085	2	
	PCA 2x80 T5 ECO lp	22185098	2	
	PCA 2x80 T5 EXCEL one4all lp	22185107	2	
VOSSLOH- SCHWABE	ELXc 180.866	188144	1	
VOSS	ELXc 280.538	188619	2	
ყე	BCS80.IFX-11/220-240	10077587	1	
BAG- Hueco	BCS80.2FX-11/220-240	10095407	2	
Others	Direct mains			

#### General note Philips LEDtube InstantFit T5

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## **PHILIPS**

### MASTER LEDtube HF InstantFit HE T5 - 600mm

Ballast Compatibility

#### KEY

	Ballast is compatible	
*	Ballast is compatible, light output may differ >10% compared to specifications	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 and may differ from actual application conditions
Dim	Ballast is compatible and conditional released for dimming	
	Ballast is not compatible	
	Ballast LEDtube combination not tested	•

	Works with High Frequency ballast (HF)			MAS LEDtube HF 600mm HE 8W 8xx T5 929001390702 929001390802 929001390902
	Ballast type	12nc	Lamps on ballast	AC (50 Hz) on HF Ballast Compatible
	HF-E 114 TL5 II	9137130414	1	
	HF-E 214 TL5 II	9137130415	2	
	HF-E 3/414 TL5 II	9137130413	3	
	HF-E 3/414 TL5 II	9137130413	4	
	HF-P114-35 TL5 HE III IDC	9137130310	1	
	HF-P 2 14-35 TL5 HE III IDC	9137130311	2	
	HF-S 2 14-35 TL5 HE II	9137130421	2	
SdIJIHd	HF-S 3/414 TL5 II	9137130330	3	
H	HF-S 3/414 TL5 II	9137130330	4	
	HF-R 114 TL5 220-240	9137001287	1	
	HF-R 3/414 TL5 220-240	9137001423	3	
	HF-R 3/414 TL5 220-240	9137001423	4	
	HF-R Es 114-35 TL5	9137006616	1	Dim
	HF-R Es 214-35 TL5	9137006617	2	Dim
	HF-R DALI 214 TL5 220-240	9137001313	2	
	HF-R TD 314 TL5 EII	9137006291	3	
	QT-FIT5 1x14-35		1	
	QT-FIT5 2x14-35		2	
	QT-FIT5 3x14, 4x14		3	
M	QT-FIT5 3x14, 4x14		4	
OSRAM	QTP5 1x14-35		1	
	QTP5 2x14-35		2	
	QTP5 3x14, 4x14		3	
	QTP5 3x14, 4x14		4	
HELVAR	EL1x14-35ngn5		1	
	PC 1×14-35 T5 TOP lp	22185157	1	
	PC 2×14-28 T5 TOP lp	22185158	2	
8	PC 3/4×14 T5 TOP lp	22185220	3	
TRIDONIC ATCO	PC 3/4×14 T5 TOP lp	22185220	4	
NO	PC 1×14-35 T5 PRO lp	22185147	1	
TRIC	PC 2×14-35 T5 PRO lp	22185148	2	
	PC 3/4×14 T5 PRO lp	22185211	3	
	PC 3/4×14 T5 PRO lp	22185211	4	
VOSSLOH- SCHWABE	ELXc 135.220	188921	1	e de la companya de l
•	BCS14.3-4FR-01/220-240	10052868	3	
BAG- HUECO	BCS14.3-4FR-01/220-240	10052868	4	•
BH	BCS35.1FX-11/220-240	10077579	1	
Others	Direct mains			

#### General note Philips LEDtube HF HE T5

General notes: Refer to the product reference number in the header of the columns to use this product-ballast compatibility list.

Please note that Philips LEDtubes InstantFit T5 are only tested with HF ballast on AC operation. The performance of Philips LEDtubes InstantFit T5 on HF ballasts with DC operation is not tested and is therefore not guaranteed. Philips LEDtubes InstantFit T5 range is designed to work on HF ballasts only. This document is for information purposes only and must be treated as recommendation. Philips will not accept claims for any damage caused by not implementing the recommendations in this document. Philips does not accept any responsibility, warranty or liability when using Philips LEDtubes with ballasts not mentioned in this list, or when using successor models of the tested ballasts. Although Philips aims to provide the most accurate information and test results from controlled experiments the results may vary in different applications. This document focuses on the behaviour of above mentioned Philips LEDtube. Please also check and follow the instructions of HF ballast manufacturers for installation instructions.



#### Always check the latest update of the compatibility list on www.philips.com/ledtube

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. All other Philips LED tubes are not developed for dimming therefore the performance cannot be guaranteed in a dimming application. In case of usage of a non dimmable product in a dimmable application, warranty does not apply.

## **PHILIPS**

### MASTER LEDtube HF InstantFit HE T5 - 1200mm

Ballast Compatibility

#### KEY

	Ballast is compatible	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 and may differ from actual application conditions
*	Ballast is compatible, light output may differ >10% compared to specifications	
Dim	Ballast is compatible and conditional released for dimming	
	Ballast is not compatible	
	Ballast LEDtube combination not tested	

	Works with High Frequency ballast (HF)			MAS LEDtube HF 1200mm HE 16.5W 8xx T5 929001391002 929001391102 929001391202
	Ballast type	12nc	Lamps on ballast	AC (50 Hz) on HF Ballast Compatible
	EB-C 128 TL5	9137131964	1	•
	EB-C 228 TL5	9137131971	2	
	EB-Ci 1-2 14-28W	9137130432	1	
	EB-Ci 1-2 14-28W	9137130432	2	•
Sd	HF-P114-35 TL5 HE III IDC	9137130310	1	
PHILIPS	HF-P 2 14-35 TL5 HE III IDC	9137130311	2	
	HF-S 2 14-35 TL5 HE II	9137130421	2	
	HF-R Es 114-35 TL5	9137006616	1	Dim
	HF-R Es 214-35 TL5	9137006617	2	Dim
	HF-R T 228 TL5 220-240	9137001863	2	Dim
	QT-FIT5 1x14-35		1	
	QT-FIT5 2x14-35		2	•
_	QTP5 1x14-35		1	
OSRAM	QTP5 2x14-35		2	•
Ö	EZ-T5 1×28/220		1	
	EZP5 1×28/220-230		1	
	EZP5 2×28/220-230		2	
HELVAR	EL1x14-35ngn5		1	
8	PC 1×14-35 T5 TOP lp	22185157	1	
TRIDONIC ATCO	PC 2x14-28 T5 TOP lp	22185158	2	
NO	PC 1×14-35 T5 PRO lp	22185147	1	
TRIC	PC 2×14-35 T5 PRO lp	22185148	2	
VOSSLOH- SCHWABE	ELXc 135.220	188921	1	• • • • • • • • • • • • • • • • • • •
BAG- HUECO	BCS35.1FX-11/220-240	10077579	1	
Others	Direct mains			

#### General note Philips LEDtube HF HE T5

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## **PHILIPS**

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### MASTER LEDtube HF InstantFit HE T5 - 1500mm

#### Ballast Compatibility

#### KEY

	Ballast is compatible	
*	Ballast is compatible, light output may differ >10% compared to specifications	This document is for information purposes and must be treated as
Dim	Ballast is compatible and conditional released for dimming	recommendation. Philips attempted to provide best results, results are generated in lab controlled environment and may differ from actual
	Ballast is not compatible	application conditions
	Ballast LEDtube combination not tested	a

	Works with High Frequency ballast (HF)			MAS LEDtube HF 1500mm HE 20W 8xx T5 929001391302 929001391402 929001391502
	Ballast type	12nc	Lamps on ballast	AC (50 Hz) on HF Ballast Compatible
	HF-P114-35 TL5 HE III IDC	9137130310	1	
S	HF-P 2 14-35 TL5 HE III IDC	9137130311	2	
PHILIPS	HF-S 2 14-35 TL5 HE II	9137130421	2	
<u> </u>	HF-R Es 114-35 TL5	9137006616	1	* / Dim
	HF-R Es 214-35 TL5	9137006617	2	* / Dim
	QT-FIT5 1x14-35		1	
W	QT-FIT5 2x14-35		2	
OSRAM	QTP5 1x14-35		1	
	QTP5 2x14-35		2	
HELVAR	EL1x14-35ngn5		1	• • • • • • • • • • • • • • • • • • •
9	PC 1×14-35 T5 TOP lp	22185157	1	
IC AT	PC 2×35 T5 TOP lp	28000047	2	•
TRIDONIC ATCO	PC 1×14-35 T5 PRO lp	22185147	1	
TRI	PC 2×14-35 T5 PRO lp	22185148	2	•
VOSSLOH- SCHWABE	ELXc 135.220	188921	1	
BAG- HUECO	BCS35.1FX-11/220-240	10077579	1	
Others	Direct mains			

#### General note Philips LEDtube HF HE T5

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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. All other Philips LED tubes are not developed for dimming therefore the performance cannot be guaranteed in a dimming application. In case of usage of a non dimmable product in a dimmable application, warranty does not apply.

## **PHILIPS**

### **MASTER LEDtube HF InstantFit T8 - 600mm**

#### Ballast Compatibility

#### KEY



	Ballast is compatible			This document is for information purposes and must be treated as
•	Ballast is compatible, light output may differ >10% compared to specifications			recommendation. Philips attempted to provide best results, results are generated in lab controlled environment and may differ from actual
	Ballast is not compatible			application conditions
	Works with High Frequency ballast (HF)			MASTER LEDtube HF, Instant Fit 600mm T8 1050lm Product reference number: 929001219502 929001219602 929001219702
	Ballast type	10nc / Ref. no.	Lamps on ballast	AC (50Hz) on HF Ballast Compatible
	HF-P 118 TLD III IDC	9137 130 312	1	
	HF-P 218 TLD III IDC	9137 130 313	2	
	HF-S 118 TLD II	9137 130 320	1	
	HF-S 218 TL-D II 220-240V 50/60Hz	9137 130 323	2	
	HF-S 3/4x18 TLD II	9137 130 326	3	
S	HF-S 3/4x18 TLD II	9137 130 326	4	
BHILIPS	HF-Matchbox 1x18 Blue	9137 004 180 / 9137 004 179	1	
-	HF-Matchbox 1x18 RED		1	
	HF-P 3/4x18 TLD III IDC	9137 130 314	3	
	HF-P 3/4x18 TLD III IDC	9137 130 314	4	
	HF-E 136 TL-D II 220-240V 50/60Hz (HF-E 218 TLD)	9137 130 390	2	
	HF-E 418 TL-D II 220-240V 50/60Hz-parl	9137 130 412	4	
	HF-P 118 TLD 220-240	9137 001 709	1	
	QTP8 1x18		1	
	QTP8 2x18		2	
	QT-FIT8 1x18		1	
	QT-FIT8 2x18		2	
AM	QT Fit 5/8 1x18-39		1	
OSRAM	QTP-OPTIMAL 118-40		1	
	QTP-OPTIMAL 218-40		2	
	QT Fit 5/8 2x18-39		2	
	QT-FIT8 3/4X18		3	
	QT-FIT8 3/4X18		4	
	EL1x18ngn		1	
	EL2x18ngn		2	
AR	EL 3/4x18ngn		4	
HELVAR	EL 3/4x18ngn		3	
	EL1x18s		1	
	EL 4x18ngn		4	
	PC 118 PRO Ip	22185213	1	
	PC 218 PRO Ip	22185216	2	
	PC 1X18-24W BASIC	22176000	1	
	PC 1x18 T8 TOP sl	22185222	1	
Ų	PC 3/4X18 TOP Ip	22185219 / 22185228	3	
TRIDONIC	PC 3/4X18 TOP lp	22185219 / 22185228	4	
TRI	РС 1/14-35/24/39 Т5 РКО-М Ір	22176182	1	
	PC 2/14-35/24/39 T5 PRO-M lp	22176185	2	
	PC 1x18 T8 TEC	87500113	1	
	PC 2x18 T8 TEC	87500114	2	
	PC 2x36 T8 TEC (4x18 T8 TEC)	87500116	4	
	ELXc 136.200	188314	1	
ж	ELXc 136.200	· · · · · ·	2	
IWA	ELXc 424.379	188116	3	
-SCF	ELXc 424.379	188116	4	
VOSSLOH-SCHWABE	ELXc 418.204	188318	3	
ssov	ELXc 418.204	188318	4	
	ELXc 136.207		1	
		1007 7500	1	
ECO	BCS18.1FX-11/220-240	1007 7588	1 2	
BAG-HUECO	BCS18.2FX-11/220-240	1007 7589 1005 0999	3	
BAG	BCS18.3-4LR-01/220-240 3lamp BCS18.3-4LR-01/220-240 4lamp	1005 0999	4	
	DC510.3-4LR-01/220-240 4ldmp	1003 0999	4	

lers	Direct mains		
đ	Electro Magnetic Ballast		

#### General note Philips LEDtube InstantFit T8

General notes: Refer to the product reference number in the header of the columns to use this product-ballast compatibility list.

Please note that Philips LEDtubes InstantFit T8 are only tested with HF ballast on AC operation. The performance of Philips LEDtubes InstantFit T8 on HF ballasts with DC operation is not tested and is therefore not guaranteed. Philips LED tube InstantFit range 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. Philips will not accept claims for any damage caused by not implementing the recommendations in this document. Philips does not accept any responsibility, warranty or liability when using Philips LEDtubes with ballasts not mentioned in this list, or when using successor models of the tested ballasts. Although Philips aims to provide the most accurate information and test results from controlled experiments the results may vary in different applications. This document focuses on the behaviour of above mentioned Philips LEDtube. Please also check and follow the instructions of HF ballast manufacturers for installation instructions.

Always check the latest update of the compatibility list on  $\underline{www.philips.com/ledtube}$ 

Dimming a LEDtube: Philips 600mm MASTER LEDtubes InstantFit T8 are not developed for dimming therefore the performance cannot be guaranteed in a dimming application. In case of usage of a non-dimmable product in a dimmable application, warranty does not apply.

www.philips.com/LEDtube



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### MASTER LEDtube HF InstantFit T8 - 1200 mm

Ballast Compatibility

#### KEY

		Ballast is compatible
	*	Ballast is compatible, light output may differ >10% compared to specifications
D	im	Ballast is compatible and conditional released for dimming
		Ballast is not compatible
		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 and may differ from actual application conditions

				MASTER LEDtube HF 1200mm 16.5W 833 T8 MEAT	MASTER LEDtube 1200mm HF HO, InstantFit T8 2100 lm	MASTER LEDtube 1200mm HF UO, InstantFit T8 2500 lm
	ngi nequency osuasi (nr)			Product reference number: 929001226302	Product reference number: 929001284302 929001284102 929001284202	Product reference number: 929001300202 929001300002 929001300102
	Ballast type	10nc / Ref. no.	Lamps on ballast	AC (50 Hz) on HF Ballast Compatible	AC (50 Hz) on HF Ballast Compatible	AC (50 Hz) on HF Ballast Compatible
	EB-C 136 TL-D 220-240	9137 131 992	1			
	EB-S 236 TL-D 220-230	9137 130 216	2			
	HF-B 136 TLD 220-240	9137 001 122	1			
	HF-B 136 TLD EII 220-240	9137 001 926	1			
	HF-B 236 TL-D 220-240	9137 001 124	2			
	HF-B 236 TLD EII 220-240	9137 001 928	2			
	HF-E 136 TL-D II	9137 130 410	1			
	HF-E 236 TL-D	9137 130 391	2			
	HF-E 236 TL-D II	9137 130 411	2			
	HF-K 136 TLD 220-240	9137 001 477	1			
	HF-P 136 TL-D III IDC	9137 130 315	1			
	HF-P 236 TL-D III IDC	9137 130 316	2			
	HF-P 336 TL-D III IDC	9137 130 317	3			
	HF-P Xt 136 TLD EII 220-240	9137 006 177	1			
s	HF-P XT 236 TLD EII 220-240	9137 006 178	2			
Sdilihd	HF-P 136 TLD EII 220-240	9137 001 911	1			
	HF-P 236 TLD 230-240	9137 001 112	2			
	HF-Pi 1 14/21/24/28/39 TL5 Ell 220-240	9137 006 240	1			
	HF-R 136 TL-D EII	9137 006 092	1		Dim	Dim
	HF-R 236 TL-D EII	9137 006 093	2		Dim	Dim
	HF-R 136 TL-D 220-240V 50/60Hz	9137 001 117	1			
	HF-R 236 TL-D 220-240V 50/60Hz	9137 001 120	2			
	HF-Ri TD 1 14/21/24/39TL5 E+	9137 006 983	1			
	HF-Ri TD 2 14/21/24/39TL5 E+	9137 006 984	2			
	HF-S 136 TL-D II	9137 130 321	1			
	HF-S 236 TL-D II	9137 130 324	2			
	HF-S 336 TL-D II	9137 130 327	3			
	HF-P 118/136 TL-D III	9137 130 315	1			
	HF-S 118/136 TL-D II	9137 130 321	1			
	HF-P 218/236 TL-D III	9137 130 316	2			
	HF-S 218/236 TL-D II	9137 130 324	2			
	QT-FIT8 1x36		1			
	QT-FIT8 2x36		2			
	QTP8 1x36		1			
OSRAM	QTP8 2x36		2			
os	QTP-OPTIMAL 1x18-40		1			
	QTP-OPTIMAL 2x18-40		2			
	QT-FIT 5/8 2x18-39		2			
		l				
	EL1x36/40/18S		1			
AR	EL1x36HF		1			
HELVAR	EL1x36ngn		1			
	EL2x36/40s		2			
	EL2x36ngn		2			



## **PHILIPS**

### MASTER LEDtube HF InstantFit T8 - 1200 mm

Ballast Compatibility

#### KEY

		Ballast is compatible	
*	•	Ballast is compatible, light output may differ >10% compared to specifications	This docu
Dir	im	Ballast is compatible and conditional released for dimming	recommen generated
		Ballast is not compatible	applicatio
		Ballast LEDtube combination not tested	

This document is for information purposes and must be treated as ecommendation. Philips attempted to provide best results, results are generated in lab controlled environment and may differ from actual application conditions

	Works with High Frequency ballast (HF)			MASTER LEDtube HF 1200mm 16.5W 833 T8 MEAT	MASTER LEDtube 1200mm HF HO, InstantFit T8 2100 lm	MASTER LEDtube 1200mm HF UO, InstantFit T8 2500 lm
				Product reference number: 929001226302	Product reference number: 929001284302 929001284102 929001284202	Product reference number: 929001300202 929001300002 929001300102
	Ballast type	10nc / Ref. no.	Lamps on ballast	AC (50 Hz) on HF Ballast Compatible	AC (50 Hz) on HF Ballast Compatible	AC (50 Hz) on HF Ballast Compatible
	PC 1/36 T8 INDUSTRY	86458035	1			
	PC 1/36 T8 PRO	22176217	1			
	PC 1x36 T8 PRO lp	22185214	1			
2	PC2/36 T8 INDUSTRY	86458036	2			
TRIDONIC ATCO	PC2x36 T8 PRO sl	22185217	2			
NO	PC 2x36 T8 TOP sl	22185226	2			
TR	PC 1x36 T8 TOP sl	22185223	1			
	PC1/36 T8 PRO sc	89800008	1			
	PC 1/36 T8 PRO	22176108	1			
	PC 3/36 T8 PRO	22176231	3			
ABE	ELXc 136.207	188708	1			
VOSSLOH-SCHWABE	ELXc 236.202	188316	2			
H-S(	ELXc 236.208	188705	2			
SSLO	ELXe 238.527	188137	2			
Ö	ELXe 238.527	188137	1			
	BCS36.1FX-11/220-240	10077590	1			
BAG-HUECO	BCS36.2FX-11/220-240	10077591	2			
루	D36.2-23021 E	166132	2			
BAG	D 58.1-23021 E	166072	1			
	ECS36.2SR-01/220-240	167032	2			
~	D36.2-23021 E		2			
Trilux	D58.1-23021E		1			
	DD58.1-23031E		1			
Others	EM ballast		1			
Ę	Direct Mains		1			

#### General note Philips LEDtube InstantFit T8

General notes: Refer to the product reference number in the header of the columns to use this product-ballast compatibility list.

Please note that Philips LEDtubes InstantFit T8 are only tested with HF ballast on AC operation. The performance of Philips LEDtubes InstantFit T8 on HF ballasts with DC operation is not tested and is therefore not guaranteed. Philips LED tube InstantFit range 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. Philips will not accept claims for any damage caused by not implementing the recommendations in this document. Philips does not accept any responsibility, warranty or liability when using Philips LEDtubes with ballasts not mentioned in this list, or when using successor models of the tested ballasts. Although Philips aims to provide the most accurate information and test results from controlled experiments the results may vary in different applications. This document focuses on the behaviour of above mentioned Philips LEDtube. Please also check and follow the instructions of HF ballast manufacturers for installation instructions.

Always check the latest update of the compatibility list on www.philips.com/ledtube

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. All other Philips LED tubes are not developed for dimming therefore the performance cannot be guaranteed in a dimming application. In case of usage of a non dimmable product in a dimmable application, warranty does not apply.



## **PHILIPS**

### **MASTER LEDtube HF InstantFit T8 - 1500 mm**

Ballast Compatibility

#### KEY

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	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible
	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 and may differ from actual application conditions

			MASTER LEDtube 1500mm HF HO, Instant Fit T8 3100 lm	MASTER LEDtube 1500mm HF UO, Instant Fit T8 3700 lm
High Frequency ballast (HF)			Product reference number: 929001284602 929001284402 929001284502	Product reference number: 929001300502 929001300302 929001300402
Ballast type	10nc / Ref. no.	Lamps on ballast	AC (50 Hz) on HF Ballast Compatible	AC (50 Hz) on HF Ballast Compatible
EI 158 TL-D 220-240	9137 006 075	1		
HF-B 158 TLD 220-240	9137 001 123	1		
HF-B 158 TLD EII 220-240	9137 001 927	1		
HF-B 258 TLD 220-240	9137 001 125	2		
HF-B 258 TL-D EII 220-240	9137 001 929	2		
HF-E 158 TL-D	9137 130 389	1		
HF-E 1/2 58 TL-D II	9137 130 409	2		
HF-E 1/2 58 TL-D II	9137 130 409	1		
HF-P 154/155 TL5 HO/PL-L III IDC	9137 130 282	1		
HF-P 158 TLD EII 220-240	9137 001 912	1		
HF-P 158 TL-D III IDC	9137 130 318	1		
HF-P 258 TLD EII 220-240	9137 001 916	2		
HF-P 258 TL-D III IDC	9137 130 319	2		
HF-P Xt 158 TLD EII 220-240	9137 006 179	1		
HF-P Xt 258 TL-D EII 220-240	9137 006 180	2		
HF-P 158 TLD 220-240	9137 001 185	1		
HF-P 258 TLD 220-240	9137 001 110	2		
HF-R 258 TLD 220-240	9137 001 119	2	Dim	Dim
HF-R 158 TLD EII	9137 006 094	1	Dim	Dim
HF-R 258 TLD EII	9137 006 095	2	Dim	Dim
HF-R TD 258 TLD EII 220-240	9137 006 070	2		
HF-RiTD 1 28/35/49/54TL5 E+	9137 006 956	1		
HF-RiTD 2 28/35/49/54TL5 E+	9137 006 958	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	9137 130 325	2		
HF-S 258 TL-D II HT	9137 006 899	2		
HF-S 158 TLD 220-240	9137 006 319	1		
EB-P 258 TLD ICC 220-240	9137 130 210	2		
QT Deluxe HF 1x58 230-240 DIM		1		
QT Deluxe HF 2x58 230-240 Dim		2		
QT-FIT8 1x58 - 70		1		
QT-FIT8 2x58 - 70		2		
QTP8 1x58		1		
QTP8 2x58		2		
QTP-OPTIMAL 1x54-58		1		
QTP-OPTIMAL 2x54-58		2		
QT 1X58 DIM		1		
QT-FIT 5/8 1x54-58		1		
QT-FIT 5/8 2x54-58		2		
EL1x58ngn		1		
ELIX58ngn EL1x58s		1		
EL2x58es		2		
		2		
EL 2x58HE		-		
EL2x58HF EL2x58ngn		2		
EL2x58ngn		2		
EL2x58ngn EL2x58s		2		
EL2x58ngn EL2x58s PC 1/58 T8 INDUSTRY	86 458 037	2		
EL2x58ngn EL2x58s PC 1/58 T8 INDUSTRY PC 1/58 T8 PRO	22 176 094	2 1 1		
EL2x58ngn EL2x58s PC 1/58 T8 INDUSTRY PC 1/58 T8 PRO PC 1x58 T8 PRO lp	22 176 094 22 185 215	2 1 1 1 1		
EL2x58ngn EL2x58s PC 1/58 T8 INDUSTRY PC 1/58 T8 PRO PC 1x58 T8 PRO lp PC 2/58 T8 INDUSTRY	22 176 094	2 1 1 1 2 2		
EL2x58ngn EL2x58s PC 1/58 T8 INDUSTRY PC 1/58 T8 PRO PC 1x58 T8 PRO lp PC 2/58 T8 INDUSTRY PC 2x58 E011	22 176 094 22 185 215 86 458 038	2 1 1 1 2 2 2		
EL2x58ngn EL2x58s PC 1/58 T8 INDUSTRY PC 1/58 T8 PRO PC 1x58 T8 PRO lp PC 2/58 T8 INDUSTRY PC 2x58 E011 PC 2x58 E011 IDC	22 176 094 22 185 215 86 458 038 22 083 174	2 1 1 2 2 2 2 2		
EL2x58ngn EL2x58s PC 1/58 T8 INDUSTRY PC 1/58 T8 PRO PC 1/58 T8 PRO Ip PC 2/58 T8 INDUSTRY PC 2x58 E011 PC 2x58 E011 IDC PC 2x58 T8 PRO sI	22 176 094 22 185 215 86 458 038 22 083 174 22 185 218	2 1 1 2 2 2 2 2 2 2 2		
EL2x58ngn EL2x58s PC 1/58 T8 INDUSTRY PC 1/58 T8 PRO PC 1x58 T8 PRO lp PC 2/58 T8 INDUSTRY PC 2x58 E011 PC 2x58 E011 IDC PC 2x58 T8 PRO sl PC 1x58 T8 TOP sl	22 176 094 22 185 215 86 458 038 22 083 174 22 185 218 22 185 224	2 1 1 2 2 2 2 2 2 2 1		
EL2x58ngn EL2x58s PC 1/58 T8 INDUSTRY PC 1/58 T8 PRO PC 1/58 T8 PRO Ip PC 2/58 T8 INDUSTRY PC 2x58 E011 PC 2x58 E011 IDC PC 2x58 T8 PRO sI	22 176 094 22 185 215 86 458 038 22 083 174 22 185 218	2 1 1 2 2 2 2 2 2 2 2		



#### www.philips.com/LEDtube

## **PHILIPS**

### MASTER LEDtube HF InstantFit T8 - 1500 mm

Ballast Compatibility

#### KEY

		Ballast is compatible	
	*	Ballast is compatible, light output may differ >10% compared to specifications	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 and may differ from actual application conditions
	Dim	Ballast is compatible and conditional released for dimming	
		Ballast is not compatible	
[		Ballast LEDtube combination not tested	

				MASTER LEDtube 1500mm HF HO, Instant Fit T8 3100 lm	MASTER LEDtube 1500mm HF UO, Instant Fit T8 3700 lm
				Product reference number: 929001284602 929001284402 929001284502	Product reference number: 929001300502 929001300302 929001300402
	Ballast type	10nc / Ref. no.	Lamps on ballast	AC (50 Hz) on HF Ballast Compatible	AC (50 Hz) on HF Ballast Compatible
	ELXc 158.201	188315	1		
	ELXc 158.209	188706	1		
ABE	ELXc 158.218	188870	1		
VOSSLOH-SCHWABE	ELXc 258.203	188317	2		
H-SC	ELXc 258.210	188707	2		
SLO	ELXc 258.219	188871	2		
SOV	ELXe 258.222	188130	2		
	ELXe 258.222	188130	1		
	ELXe 158.524	188024	1		
	BCD58.1F-01/220-240/1-10V	1009 7145	1	Dim	Dim
_	BCS58.1FX-11/220-240	1007 7592	1		
S	BCS58.2FX-11/220-240	1007 7593	2		
BAG-HUECO	BCS58.2SX-01/220-240	1005 1003	2		
BAG	D 58.1-23021 E	166 072	1		
-	D 58.2-23021 E	166 082	2		
	SCS58.2SR-11/220-240	166 272	2		
Xn	D58.1-23021E		1		
Trilux	DD58.1-23031E		1		
y + stie	MCU 158		1		
May + Christie	MCU 258		2		
ers	Direct mains				
Others	Electro Magnetic Ballast				

#### General note Philips LEDtube InstantFit T8

General notes: Refer to the product reference number in the header of the columns to use this product-ballast compatibility list.

Please note that Philips LEDtubes InstantFit T8 are only tested with HF ballast on AC operation. The performance of Philips LEDtubes InstantFit T8 on HF ballasts with DC operation is not tested and is therefore not guaranteed. Philips LED tube InstantFit range 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. Philips will not accept claims for any damage caused by not implementing the recommendations in this document. Philips does not accept any responsibility, warranty or liability when using Philips LEDtubes with ballasts not mentioned in this list, or when using successor models of the tested ballasts. Although Philips aims to provide the most accurate information and test results from controlled experiments the results may vary in different applications. This document focuses on the behaviour of above mentioned Philips LEDtube. Please also check and follow the instructions of HF ballast manufacturers for installation instructions.

Always check the latest update of the compatibility list on www.philips.com/ledtube

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. All other Philips LED tubes are not developed for dimming therefore the performance cannot be guaranteed in a dimming application. In case of usage of a non dimmable product in a dimmable application, warranty does not apply.



## **PHILIPS**

## MASTER LEDtube Universal T8 - 1200 mm

Ballast Compatibility

#### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
	Ballast is not compatible
	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 and may differ from actual application conditions

	Works with High Frequency ballast (HF)			MASTER LEDtube 1200mm Universal, Instant Fit 2500lm Product reference number: 929001336102 929001336202 929001336002
	Ballast type	10nc	Lamps on ballast	AC (50Hz) on HF Ballast Compatible
	EB-C 136 TL-D 220-240	9137 131 992	1	
	EB-S 236 TL-D 220-230	9137 130 216	2	
	HF-B 136 TLD 220-240	9137 001 122	1	
	HF-B 136 TLD EII 220-240	9137 001 926	1	
	HF-B 236 TL-D 220-240	9137 001 124	2	
	HF-B 236 TLD EII 220-240	9137 001 928	2	
	HF-E 136 TL-D II	9137 130 410	1	•
	HF-E 236 TL-D	9137 130 391	2	
	HF-E 236 TL-D II	9137 130 411	2	
	HF-K 136 TLD 220-240	9137 001 477	1	
	HF-P136 TL-D III IDC	9137 130 315	1	•
	HF-P 236 TL-D III IDC	9137 130 316	2	
	HF-P 336 TL-D III IDC	9137 130 317	3	
	HF-P Xt 136 TLD EII 220-240	9137 006 177	1	
R	HF-P XT 236 TLD EII 220-240	9137 006 178	2	
SALLIPS	HF-P 136 TLD EII 220-240	9137 001 911	1	
	HF-P 236 TLD 230-240	9137 001 112	2	
	HF-Pi 1 14/21/24/28/39 TL5 EII 220-240	9137 006 240	1	
	HF-R 136 TL-D EII	9137 006 092	1	
	HF-R 236 TL-D EII	9137 006 093	2	
	HF-R 136 TL-D 220-240V 50/60Hz	9137 001 117	1	
	HF-Ri TD 1 14/21/24/39TL5 E+	9137 006 983	1	
	HF-Ri TD 2 14/21/24/39TL5 E+	9137 006 984	2	
	HF-S 136 TL-D II	9137 130 321	1	
	HF-S 236 TL-D II	9137 130 324	2	•
	HF-S 336 TL-D II	9137 130 327	3	
	HF-P 118/136 TL-D III	9137 130 315	1	•
	HF-S 118/136 TL-D II	9137 130 321	1	
	HF-P 218/236 TL-D III	9137 130 316	2	
	HF-S 218/236 TL-D II	9137 130 324	2	•
			1	
	QT-FIT8 1x36 QT-FIT8 2x36		2	
	QTP8 1x36		1	
OSRAM			2	
OSF	QTP8 2x36 QTP-OPTIMAL 1x18-40		1	
	QTP-OPTIMAL 1x18-40 QTP-OPTIMAL 2x18-40		2	
	QT-FIT 5/8 2x18-39		2	
			2	
	EL1x36/40/18S		1	
AR	EL1x36HF		1	· · · · · · · · · · · · · · · · · · ·
HELVAR	EL1x36ngn		1	
-	EL2x36/40s		2	
	EL2x36ngn		2	
	PC 1/36 T8 INDUSTRY	86458035	1	•
	PC 1/36 T8 PRO	22176217	1	•
	PC 1x36 T8 PRO lp	22185214	1	•
	PC2/36 T8 INDUSTRY	86458036	2	•
TRIDONIC	PC2x36 T8 PRO sl	22185217	2	
TRID	PC 2x36 T8 TOP sl	22185226	2	
	PC 1x36 T8 TOP sl	22185223	1	
	PC1/36 T8 PRO sc	89800008	1	
	PC 1/36 T8 PRO	22176108	1	•
	PC 3/36 T8 PRO	22176231	3	



## **PHILIPS**

### MASTER LEDtube Universal T8 - 1200 mm

Ballast Compatibility

#### KEY

	Ballast is compatible	
*	Ballast is compatible, light output may differ >10% compared to specifications	This document is for information purposes and must be treated as recommendation. Philips attempted to provide best results, results are
	Ballast is not compatible	generated in lab controlled environment and may differ from actual application conditions
	Ballast LEDtube combination not tested	

	Works with High Frequency ballast (HF)			MASTER LEDtube 1200mm Universal, Instant Fit 2500lm Product reference number: 929001336102 929001336202 929001336002
	Ballast type	10nc	Lamps on ballast	AC (50Hz) on HF Ballast Compatible
ABE	ELXc 136.207	188708	1	
VOSSLOH-SCHWABE	ELXc 236.202	188316	2	
H-S	ELXc 236.208	188705	2	
SLO	ELXe 238.527	188137	2	
Ŝ,	ELXe 238.527	188137	1	•
_	BCS36.1FX-11/220-240	10077590	1	
E E	BCS36.2FX-11/220-240	10077591	2	•
BAG-HUECO	D36.2-23021 E	166132	2	
BAG	D 58.1-23021 E	166072	1	•
-	ECS36.2SR-01/220-240	167032	2	
	D36.2-23021 E		2	
Inlux	D58.1-23021E		1	•
	DD58.1-23031E		1	
Others	EM ballast		1	
f	Direct Mains (only one single side supply)		1	

#### General note Philips LEDtube InstantFit T8

General notes: Philips LEDtubes Universal T8 are designed to work on HF ballasts, or EM ballast, or direct mains connection.

For HF ballast connection: Refer to the product reference number in the header of the columns to use this product-ballast compatibility list.

Please note that Philips LEDtubes Universal T8 are only tested with HF ballast on AC operation. The performance of Philips LEDtubes InstantFit T8 on HF ballasts with DC operation is not tested and is therefore not guaranteed. This document is for information purposes only and must be treated as recommendation. Philips will not accept claims for any damage caused by not implementing the recommendations in this document. Philips does not accept any responsibility, warranty or liability when using Philips LEDtubes with HF ballasts not mentioned in this list, or when using successor models of the tested ballasts. Although Philips aims to provide the most accurate information and test results from controlled experiments the results may vary in different applications. This document focuses on the behaviour of above mentioned Philips LEDtube. Please also check and follow the instructions of HF ballast manufacturers for installation instructions.

Always check the latest update of the compatibility list on  $\underline{www.philips.com/ledtube}$ 

Dimming a LEDtube: Philips MASTER LEDtubes Universal T8 are not developed for dimming therefore the performance cannot be guaranteed in a dimming application. In case of usage of a non-dimmable product in a dimmable application, warranty does not apply.

For EM ballasts or direct mains connection: Please refer to the installation guide.



## **PHILIPS**

### MASTER LEDtube Universal T8 - 1500 mm

Ballast Compatibility

#### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
	Ballast is not compatible
	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 and may differ from actual application conditions

**PHILIPS** 

	Works with High Frequency ballast (HF)			MASTER LEDtube 1500mm Universal, Instant Fit 3700lm Product reference number: 929001336402 929001336502 929001336302
	Ballast type	10nc / Ref. no.	Lamps on ballast	AC (50Hz) on HF Ballast Compatible
	EI 158 TL-D 220-240	9137 006 075	1	•
	HF-B 158 TLD 220-240	9137 001 123	1	
	HF-B 158 TLD EII 220-240	9137 001 927	1	
	HF-B 258 TLD 220-240	9137 001 125	2	
	HF-B 258 TL-D EII 220-240	9137 001 929	2	•
	HF-E 158 TL-D	9137 130 389	1	
	HF-E 1/2 58 TL-D II	9137 130 409	2	
	HF-E 1/2 58 TL-D II	9137 130 409	1	
	HF-P 154/155 TL5 HO/PL-L III IDC	9137 130 282	1	
	HF-P 158 TLD EII 220-240	9137 001 912	1	
	HF-P 158 TL-D III IDC	9137 130 318	1	
	HF-P 258 TLD EII 220-240	9137 001 916	2	
	HF-P 258 TL-D III IDC	9137 130 319	2	
	HF-P Xt 158 TLD EII 220-240	9137 006 179	1	•
	HF-P Xt 258 TL-D EII 220-240	9137 006 180	2	
SAILIHA	HF-P 158 TLD 220-240	9137 001 185	1	
F	HF-P 258 TLD 220-240	9137 001 110	2	
	HF-R 158 TLD 220-240	9137 001 118	1	
	HF-R 258 TLD 220-240	9137 001 119	2	
	HF-R 158 TLD EII	9137 006 094	1	
	HF-R 258 TLD EII	9137 006 095	2	
	HF-R TD 258 TLD EII 220-240	9137 006 070	2	
	HF-RiTD 1 28/35/49/54TL5 E+	9137 006 956	1	
	HF-RiTD 2 28/35/49/54TL5 E+	9137 006 958	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	9137 130 325	2	•
	HF-S 258 TL-D    HT	9137 006 899	2	
	HF-S 158 TLD 220-240	9137 006 319	1	
	EB-P 258 TLD ICC 220-240	9137 130 210	2	•
			1	
	QT Deluxe HF 1x58 230-240 DIM QT Deluxe HF 2x58 230-240 Dim		2	
	QT-FIT8 1x58 - 70		1	
	QT-FIT8 2x58 - 70		2	
	QTP8 1x58		1	
OSRAM	QTP8 2x58		2	
0SI	QTP-OPTIMAL 1x54-58		1	
	QTP-OPTIMAL 2x54-58		2	
	QT 1X58 DIM		1	
	QT-FIT 5/8 1x54-58		1	
	QT-FIT 5/8 2x54-58		2	
	EL1x58ngn		1	
	ELix58s		1	
Å	EL2x58es		2	
HELVAR	EL2x58HF		2	
	EL2x58ngn		2	
	EL2x58s		2	
		96 459 027		
	PC 1/58 T8 INDUSTRY	86 458 037	1	
	PC 1/58 T8 PRO	22 176 094	1	
	PC 1x58 T8 PRO lp	22 185 215 86 458 038	2	
	PC 2/58 T8 INDUSTRY PC 2x58 E011	86 458 038	2	



≌	PC 2x58 E011		2	•
	PC 2x58 E011 IDC	22 083 174	2	
TRI	PC 2x58 T8 PRO sl	22 185 218	2	
	PC 1x58 T8 TOP sl	22 185 224	1	
	PC 2x58 T8 TOP sl	22 185 227	2	
	PCA 1/58 excel one4all	22 085 286	1	
	PCA 2x58 EXCEL One4all Ip	28 000 040	2	

### MASTER LEDtube Universal T8 - 1500 mm

**Ballast** Compatibility

#### **KEY**

	Ballast is compatible	This descent is family for
*	Ballast is compatible, light output may differ >10% compared to specifications	This document is for info recommendation. Philips
	Ballast is not compatible	generated in lab controll application conditions
	Ballast LEDtube combination not tested	

Instant Fit Instant**Fit** 3700lm Product reference number: 929001336402 929001336502 929001336302 AC (50Hz) on HF Ballast Compatible Ballast type 10nc Lamps on ballast ELXc 158.201 188315 ELXc 158.209 188706 1 ELXc 158.218 188870 1 H-SCHW ELXc 258.203 188317 2 ELXc 258.210 188707 2 **NOSSLOH** ELXc 258.219 188871 2 ELXe 258.222 188130 2 ELXe 258.222 188130 ELXe 158.524 188024 1 BCD58.1F-01/220-240/1-10V 1009 7145 1 BCS58.1FX-11/220-240 1007 7592 1 BCS58.2FX-11/220-240 1007 7593 2 -HUECO BCS58.2SX-01/220-240 1005 1003 2 BCS58.1SR-01/220-240 BAG-D 58.1-23021 E 166 072 1 D 58.2-23021 E 166 082 2 SCS58.2SR-11/220-240 166 272 2 D58.1-23021E 1 Trilu DD58.1-23031E 1 DD58.2-23021E 2 1 MCU 158 May Chris MCU 258 2 Direct Mains (only one single side supply) Others Electro Magnetic Ballast

#### General note Philips LEDtube InstantFit T8

General notes: Philips LEDtubes Universal T8 are designed to work on HF ballasts, or EM ballast, or direct mains connection

For HF ballast connection: Refer to the product reference number in the header of the columns to use this product-ballast compatibility list.

Please note that Philips LEDtubes Universal T8 are only tested with HF ballast on AC operation. The performance of Philips LEDtubes InstantFit T8 on HF ballasts with DC operation is not tested and is therefore not guaranteed. This document is for information purposes only and must be treated as recommendation. Philips will not accept claims for any damage caused by not implementing the recommendations in this document. Philips does not accept any responsibility, warranty or liability when using Philips LEDtubes with HF ballasts not mentioned in this list, or when using successor models of the tested ballasts. Although Philips aims to provide the most accurate information and test results from controlled experiments the results may vary in different applications. This document focuses on the behaviour of above mentioned Philips LEDtube. Please also check and follow the instructions of HF ballast manufacturers for installation instructions.

Always check the latest update of the compatibility list on www.philips.com/ledtube

Dimming a LEDtube: Philips MASTER LEDtubes Universal T8 are not developed for dimming therefore the performance cannot be guaranteed in a dimming application. In case of usage of a non-dimmable product in a dimmable application, warranty does not apply.

For EM ballasts or direct mains connection: Please refer to the installation guide



MASTER LEDtube 1500mm Universal,



## PHILIPS

Ballast is compatible

### **CorePro LEDtube HF InstantFit T8 - 600mm**

#### **Ballast** Compatibility

#### **KEY**



application conditions

Corepro LEDtube HF,

PHILIPS

Ballast is not compatible



				Corepro LEDtube HF, Instant Fit 600mm T8 800lm
	High Frequency ballast (HF)			Product reference number: 929001249502 929001249602
	Ballast type	10nc / Ref. no.	Lamps on ballast	AC (50Hz) on HF Ballast Compatible
	HF-P 118 TLD III IDC	9137 130 312	1	
	HF-P 218 TLD III IDC	9137 130 313	2	
	HF-S 118 TLD II	9137 130 320	1	
	HF-S 218 TL-D II 220-240V 50/60Hz	9137 130 323	2	
	HF-S 3/4x18 TLD II	9137 130 326	3	•
S	HF-S 3/4x18 TLD II	9137 130 326	4	
SAILIHA	HF-Matchbox 1x18 Blue	9137 004 180 / 9137 004 179	1	•
τ.	HF-Matchbox 1x18 RED		1	•
	HF-P 3/4x18 TLD III IDC	9137 130 314	3	
	HF-P 3/4x18 TLD III IDC	9137 130 314	4	
	HF-E 136 TL-D II 220-240V 50/60Hz (HF-E 218 TLD)	9137 130 390	2	
	HF-E 418 TL-D II 220-240V 50/60Hz-parl	9137 130 412	4	
	HF-P 118 TLD 220-240	9137 001 709	1	
	QTP8 1x18		1	
	QTP8 2x18		2	
	QT-FIT8 1x18		1	
	QT-FIT8 2x18		2	
Σ	QT Fit 5/8 1x18-39		1	
OSRAM	QTP-OPTIMAL 118-40		1	
Ŭ	QTP-OPTIMAL 218-40		2	
	QT Fit 5/8 2x18-39		2	
	QT-FIT8 3/4X18		3	
	QT-FIT8 3/4X18		4	
	EL1x18ngn		1	
~	EL2x18ngn		2	
HELVAR	EL 3/4x18ngn-4lamp		4	
뽀	EL 3/4x18ngn		3	
	EL1x18s			· · · · · · · · · · · · · · · · · · ·
	EL 4x18ngn		4	
	PC 118 PRO Ip	22185213	1	
	PC 218 PRO Ip	22185216	2	
	PC 1X18-24W BASIC	22176000	1	•
	PC 1x18 T8 TOP sl	22185222	1	
¥	PC 3/4X18 TOP Ip	22185219 / 22185228	3	
TRIDONIC	PC 3/4X18 TOP Ip	22185219 / 22185228	4	•
Ë	PC 1/14-35/24/39 T5 PRO-M lp	22176182	1	•
	PC 2/14-35/24/39 T5 PRO-M lp	22176185	2	
	PC 1x18 T8 TEC	87500113	1	•
	PC 2x18 T8 TEC	87500114	2	
	PC 2x36 T8 TEC (4x18 T8 TEC)	87500116	4	
	ELXc 136.200	188314	1	• • • • • • • • • • • • • • • • • • •
H	ELXc 236.208		2	•
HWA	ELXc 424.379	188116	3	
-sc	ELXc 424.379	188116	4	
VOSSLOH-SCHWABE	ELXc 418.204	188318	3	
sov	ELXc 418.204	188318	4	
	ELXc 136.207		1	•
-	BCS18 IEX_11/220_240	1007 7588	1	
ECO	BCS18.1FX-11/220-240 BCS18.2FX-11/220-240	1007 7589	2	
Ę	BCS18.2FX-11/220-240 BCS18.3-4LR-01/220-240 3lamp	1007 7589	3	
BAG-HUECO	BCS18.3-4LR-01/220-240 stamp BCS18.3-4LR-01/220-240 4lamp	1005 0999	4	
	5550.5 FER 01/220 240 Hamp	1005 0555	7	



er	Direct mains	1	
g	Electro Magnetic Ballast	1	

#### General note Philips CorePro LEDtube InstantFit T8

General notes: Refer to the product reference number in the header of the columns to use this product-ballast compatibility list.

Please note that 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. Philips LED tube InstantFit range 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. Philips will not accept claims for any damage caused by not implementing the recommendations in this document. Philips does not accept any responsibility, warranty or liability when using Philips LEDtubes with ballasts not mentioned in this list, or when using successor models of the tested ballasts. Although Philips aims to provide the most accurate information and test results from controlled experiments the results may vary in different applications. This document focuses on the behaviour of above mentioned Philips LEDtube. Please also check and follow the instructions of HF ballast manufacturers for installation instructions. Always check the latest update of the compatibility list on www.philips.com/ledtube

Dimming a LEDtube: Philips CorePro LEDtubes InstantFit T8 are not developed for dimming therefore the performance cannot be guaranteed in a dimming application. In case of usage of a non-dimmable product in a dimmable application, warranty does not apply.

www.philips.com/LEDtube

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### **CorePro LEDtube HF InstantFit T8 - 1200mm**

#### Ballast Compatibility

#### KEY



	Works with High Frequency ballast (HF)		_	Corepro LEDtube HF, Instant Fit 1200mm T8 1600lm Product reference number:
				929001249902 929001136502
	Ballast type	10nc / Ref. no.	Lamps on ballast	AC (50Hz) on HF Ballast Compatible
	EB-C 136 TL-D 220-240	9137 131 992	1	
	EB-S 236 TL-D 220-230	9137 130 216	2	
	HF-B 136 TLD 220-240	9137 001 122	1	•
	HF-B 136 TLD EII 220-240	9137 001 926	1	
	HF-B 236 TL-D 220-240	9137 001 124	2	
	HF-B 236 TLD EII 220-240	9137 001 928	2	
	HF-E 136 TL-D II	9137 130 410	1	
	HF-E 236 TL-D	9137 130 391	2	
	HF-E 236 TL-D II	9137 130 411	2	
	HF-K 136 TLD 220-240	9137 001 477	1	
	HF-P136 TL-D III IDC	9137 130 315	1	
	HF-P 236 TL-D III IDC	9137 130 316	2	
	HF-P 336 TL-D III IDC	9137 130 317	3	•
S	HF-P Xt 136 TLD EII 220-240	9137 006 177	1	•
SAILIHA	HF-P XT 236 TLD EII 220-240	9137 006 178	2	
Ę	HF-P 136 TLD EII 220-240	9137 001 911	1	
	HF-P 236 TLD 230-240	9137 001 112	2	•
	HF-Pi 1 14/21/24/28/39 TL5 Ell 220-240	9137 006 240	1	
	HF-R 136 TL-D EII 220-240V 50/60Hz	9137 006 092	1	
	HF-R 236 TL-D EII 220-240V 50/60Hz	9137 006 093	2	
	HF-R 136 TL-D 220-240V 50/60Hz	9137 001 117	1	
	HF-R 236 TL-D 220-240V 50/60Hz	9137 001 120	2	
	HF-S 136 TL-D II	9137 130 321	1	•
	HF-S 236 TL-D II	9137 130 324	2	
	HF-S 336 TL-D II	9137 130 327	3	· · · · · · · · · · · · · · · · · · ·
	HF-P 118/136 TL-D III	9137 130 315	1	
	HF-S 118/136 TL-D II	9137 130 321	1	
	HF-P 218/236 TL-D III	9137 130 316	2	
	HF-S 218/236 TL-D II	9137 130 324	2	
	QT-FIT8 1x36		1	
	QT-FIT8 2x36		2	
5	QTP8 1x36		1	
OSRAI	QTP8 2x36		2	
0	QTP-OPTIMAL 1x18-40		1	
	QTP-OPTIMAL 2x18-40		2	
	QT-FIT 5/8 2x18-39		2	•
	EL1x36/40/18S		1	
œ	EL1x36HF		1	•
HELVAR	EL1x36ngn		1	
Ξ	EL2x36/40s		2	•
	EL2x36ngn		2	
	PC 1/36 T8 INDUSTRY	86458035	1	
	PC 1/36 T8 PRO	22176217	1	
	PC 1x36 T8 PRO lp	22185214	1	
	PC2/36 T8 INDUSTRY	86458036	2	
DNIC	PC2x36 T8 PRO sl	22185217	2	
TRIDONIC	PC 2x36 T8 TOP sl	22185226	2	
	PC 1x36 T8 TOP sl	22185223	1	
	PC1/36 T8 PRO sc	89800008	1	• • • • • • • • • • • • • • • • • • •
	PC 1/36 T8 PRO	22176108	1	
	PC 3/36 T8 PRO	22176231	3	



## **PHILIPS**

D58.1-23021E

DD58.1-23031E

EM ballast

Direct Mains

ECS36.2SR-01/220-240

Trilux

Others

### **CorePro LEDtube HF InstantFit T8 - 1200mm**

167032

#### Ballast Compatibility



Ballast is compatibl Ballast is compatibl	le le, light output may differ >10% compared to specifications			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 and may differ from actual
Ballast is not compa	atible			application conditions
Works with				Corepro LEDtube HF, Instant Fit 1200mm T8 1600lm
High Frequency ballast (HF)				Product reference number: 929001249902 929001136502
High Frequency ballast (HF) Ballast type	V V.	10nc / Ref. no.	Lamps on ballast	929001249902
Ballast type	V V.	<b>10nc / Ref. no.</b> 188708	Lamps on ballast	929001249902 929001136502
Ballast type			Lamps on ballast 1 2	929001249902 929001136502
Ballast type	V V.	188708	1	929001249902 929001136502
Ballast type ELXc 136.207 ELXc 236.202		188708 188316	1 2	929001249902 929001136502
Ballast type           ELXc 136.207           ELXc 236.202           ELXc 236.208	-240	188708 188316 188705	1 2 2	929001249902 929001136502
Ballast type           ELXc 136.207           ELXc 236.202           ELXc 236.208           ELXc 238.527		188708 188316 188705 188137	1 2 2	929001249902 929001136502
Ballast type           ELXc 136.207           ELXc 236.202           ELXc 236.208           ELXe 238.527           BCS36.1FX-11/220-		188708         188316         188705         188137         10077590	1 2 2 2 2 1	929001249902 929001136502

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1

1

#### General note Philips CorePro LEDtube InstantFit T8

General notes: Refer to the product reference number in the header of the columns to use this product-ballast compatibility list.

Please note that 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. Philips LED tube InstantFit range 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. Philips will not accept claims for any damage caused by not implementing the recommendations in this document. Philips does not accept any responsibility, warranty or liability when using Philips LEDtubes with ballasts not mentioned in this list, or when using successor models of the tested ballasts. Although Philips aims to provide the most accurate information and test results from controlled experiments the results may vary in different applications. This document focuses on the behaviour of above mentioned Philips LEDtube. Please also check and follow the instructions of HF ballast manufacturers for installation instructions.

Always check the latest update of the compatibility list on www.philips.com/ledtube

Dimming a LEDtube: Philips CorePro LEDtubes InstantFit T8 are not developed for dimming therefore the performance cannot be guaranteed in a dimming application. In case of usage of a non-dimmable product in a dimmable application, warranty does not apply.



## **PHILIPS**

### **CorePro LEDtube HF InstantFit T8 - 1500mm**

#### Ballast Compatibility

#### KEY



	Works with High Frequency ballast (HF)			Corepro LEDtube HF, Instant Fit 1500mm T8 2000lm Product reference number: 929001249702 929001249802
	Ballast type	10nc / Ref. no.	Lamps on ballast	AC (50Hz) on HF Ballast Compatible
	EI 158 TL-D 220-240	9137 006 075	1	
	HF-B 158 TLD 220-240	9137 001 123	1	•
	HF-B 158 TLD EII 220-240	9137 001 927	1	
	HF-B 258 TLD 220-240	9137 001 125	2	
	HF-B 258 TL-D EII 220-240	9137 001 929	2	
	HF-E 158 TL-D	9137 130 389	1	
	HF-E 1/2 58 TL-D II	9137 130 409	2	•
	HF-E 1/2 58 TL-D II	9137 130 409	1	•
	HF-P 158 TLD EII 220-240	9137 001 912	1	
5	HF-P 158 TL-D III IDC	9137 130 318	1	
PHILIPS	HF-P 258 TLD EII 220-240	9137 001 916	2	
τ	HF-P 258 TL-D III IDC	9137 130 319	2	
	HF-P Xt 158 TLD EII 220-240	9137 006 179	1	
	HF-P Xt 258 TL-D EII 220-240	9137 006 180	2	
	HF-P 258 TLD 220-240	9137 001 110	2	
	HF-S 158		1	
	HF-S 158 TL-D II	9137 130 322	1	•
	HF-S 258 TL-D II	9137 130 325	2	
	HF-S 258 TL-D II HT	9137 006 899	2	
	HF-S 158 TLD 220-240	9137 006 319	1	
	EB-P 258 TLD ICC 220-240		2	•
	QT-FIT8 1x58-70		1	
	QT-FIT8 2x58-70		2	•
	QTP8 1x58		1	
Σ	QTP8 2x58		2	
OSRAM	QTP-OPTIMAL 1x54-58		1	
Ŭ	QTP-OPTIMAL 2x54-58		2	•
	QT-FIT 5/8 1x54-58		1	
	QT-FIT 5/8 2x54-58		2	•
		L	1	
	EL1x58ngn		1	
œ	EL1x58s EL2x58es		2	
HELVAR	EL2x58es EL2x58HF		-	
Ξ			2 2	
	EL2x58ngn EL2x58s		2	
	PC 1/58 T8 INDUSTRY	86 458 037	1	
	PC 1/58 T8 PRO	22 176 094	1	
	PC 1x58 T8 PRO lp	22 185 215	1	
	PC 2/58 T8 INDUSTRY	86 458 038	2	
NIC	PC 2x58 E011		2	
₽	PC 2x58 E011 IDC	22 083 174	2	
F	PC 2x58 T8 PRO sl	22 185 218	2	
	PC 1x58 T8 TOP sl	22 185 224	1	
	PC 2x58 T8 TOP sl	22 185 227	2	
	PCA 1/58 excel one4all	22 085 286	1	
	PCA 2x58 EXCEL One4all Ip	28 000 040	2	



## **PHILIPS**

### CorePro LEDtube HF InstantFit T8 - 1500mm

#### Ballast Compatibility

#### KEY



	Works with High Frequency ballast (HF)	Corepro LEDtube HF, Instant Fit 1500mm T8 2000lm Product reference number: 929001249702 929001249802		
	Ballast type	10nc / Ref. no.	Lamps on ballast	AC (50Hz) on HF Ballast Compatible
	ELXc 158.201	188315	1	
	ELXc 158.209	188706	1	
BE	ELXc 158.218	188870	1	
VOSSLOH-SCHWABE	ELXc 258.203	188317	2	•
H-SC	ELXc 258.210	188707	2	
SLO	ELXc 258.219	188871	2	
NOS	ELXe 258.222	188130	2	· · · · · · · · · · · · · · · · · · ·
	ELXe 258.222	188130	1	• • • • • • • • • • • • • • • • • • •
	ELXe 158.524	188024	1	· · · · · · · · · · · · · · · · · · ·
	BCS58.1FX-11/220-240	1007 7592	1	
o	BCS58.2FX-11/220-240	1007 7593	2	
NEC	BCS58.2SX-01/220-240	1005 1003	2	
BAG-HUECO	D 58.1-23021 E	166 072	1	• • • • • • • • • • • • • • • • • • •
BA	D 58.2-23021 E	166 082	2	
	SCS58.2SR-11/220-240	166 272	2	
Ň	D58.1-23021E		1	100 C
Trilux	DD58.1-23031E		1	
/+ tie	MCU 158		1	
(Ma) Chris	MCU 158 MCU 258		2	
sus	Direct mains			
Others	Electro Magnetic Ballast			

#### General note Philips CorePro LEDtube InstantFit T8

General notes: Refer to the product reference number in the header of the columns to use this product-ballast compatibility list.

Please note that 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. Philips LED tube InstantFit range 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. Philips will not accept claims for any damage caused by not implementing the recommendations in this document. Philips does not accept any responsibility, warranty or liability when using Philips LEDtubes with ballasts not mentioned in this list, or when using successor models of the tested ballasts. Although Philips aims to provide the most accurate information and test results from controlled experiments the results may vary in different applications. This document focuses on the behaviour of above mentioned Philips LEDtube. Please also check and follow the instructions of HF ballast manufacturers for installation instructions.

Always check the latest update of the compatibility list on  $\underline{www.philips.com/ledtube}$ 

Dimming a LEDtube: Philips CorePro LEDtubes InstantFit T8 are not developed for dimming therefore the performance cannot be guaranteed in a dimming application. In case of usage of a non-dimmable product in a dimmable application, warranty does not apply.



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09/2017 Data subject to change.