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# MASTER LEDtube HF T5 HO - 600 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



MAS LEDtube HF 600mm  
HO 10.5W 8x T5

Model number / (Short) EOC code:  
9290035962 / 872016916307200  
9290035963 / 872016916309600  
9290035964 / 872016916311900

#### AC (50Hz) on HF Ballast Compatible

	Ballast type	12nc	Lamps on ballast	
PHILIPS	HF-Ri TD 1 14/21/24/39 TL5 E+	9137006708	1	* / dim
	HF-Ri TD 1 14/21/24/39 TL5 E+	9137006983	1	* / dim (3)
	HF-P 1 24-39 TL5 HO III IDC	9137130340	1	
	HF-P 1 24-39 TL5 HO 220-240	9137001659	1	
	HF-S 124-39 TL5 II	9137130344	1	
	HF-P 1 24-39 TL5 HO EII 220-240	9137006131	1	
	HF-R 224 TL5/PL-L EII	9137006331	2	
	HF-R 224 TL5 220-240	9137001411	2	
	HF-Pi 2 14/21/24/39 TL5 EII 220-240	9137006242	2	
	HF-Ri TD 2 14/21/24/39 TL5 E+	9137006709	2	* / dim (3)
	HF-Ri TD 2 14/21/24/39 TL5 E+	9137006984	2	
	HF-P 224-39 TL5 HO III IDC	9137130341	2	
	HF-S 224-39 TL5 II	9137130345	2	*
	HF-Ri TD 3 14/24 TL5 E+	9137006790	3	** / dim (3)
	HF-Ri TD 4 14/24 TL5 E+	9137006791	4	* / dim (3)
	HF-Pi 3/4 14/24 TL5/PLL EII	9137006576	3	
HF-Pi 3/4 14/24 TL5/PLL EII	9137006576	4		
HF-Pi I 14/21/24/39 TL5 EII 220-240	9137006240	1		
OSRAM	QT-FIT 5/8 2x18-39		2	*
	QTi 1x14/24/21/39 GII		1	*
	Qti DALI 2x14/24 Dim		2	** / dim (4)
	QTi 2x14/24/21/39 GII		2	
	QTi DALI 3x14/24 Dim		3	* / dim (4)
	QTi 3x14/24 Dim		3	* / dim (1) (4)
	QTi 4x14/24 Dim		4	
	QTi DALI 4x14/24 Dim		4	
	QTP5 1X24-39		1	
	QT-FQ 1X24-39/230-240F/CW		1	
HELVAR	EL1x24s		1	
TRIDONIC ATCO	PC 2x24 T5 TOP Ip	22185160	2	
	PC 3/4x24 T5 TOP Ip	22185221	3	
	PC 3/4x24 T5 TOP Ip	22185221	4	
	PC 2/14-21/24/39 T5 PRO-M Ip	22176185	2	*
	PCA 2x14/24 T5 ECO Ip	22185095	2	*
	PCA 2x14/24 T5 EXCEL one4all Ip	22185104	2	*
	PCA 3x14/24 T5 EXCEL one4all Ip	22176209	3	
	PCA 3x14/24 T5 ECO Ip	22176211	3	
	PCA 3x14/24 T5 EXCITE Ip	28000307	3	
	PCA 4x14/24 T5 EXCEL one4all Ip	22176210	4	
	PCA 4x14/24 T5 ECO Ip	22176212	4	
	PCA 4x14/24 T5 EXCITE Ip	28000308	4	
VOSSLOH-SCHWABE	ELXc 140.862	188140	1	
	ELXc 240.863	188616	2	
	ELXc 139.632	188945	1	
	ELXd 124.600	188329	1	** / dim (3)
	ELXd 124.607	188336	1	*
	ELXc 239.635	188948	2	
	ELXd 224.601	188330	2	** / dim (3)
	ELXd 224.608	188337	2	**
	ELXd 324.623	188597	3	*
	ELXd 324.626	188600	3	** / dim (1) (3)
	ELXd 424.624	188598	4	
	ELXd 424.628	188602	4	** / dim (3)

(1) Do not use in closed luminaires  
(2) Do not use in combination with a motion sensor  
(3) Do not Dim below 10% / Dali step 170  
(4) Do not Dim below 20% / Dali step 185

# MASTER LEDtube HF T5 HO - 600 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
	Ballast is compatible, light output may differ >10% compared to specifications
	Ballast is compatible, light output may differ >20% compared to specifications
	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



MAS LEDtube HF 600mm HO 10.5W 8xx T5
Model number / (Short) EOC code: 9290035962 / 872016916307200 9290035963 / 872016916309600 9290035964 / 872016916311900
<b>AC (50Hz) on HF Ballast Compatible</b>
* *
*
* *
* *
* * / Dim (3)
* * / Dim (3)
* *
* *

	Ballast type	12nc	Lamps on ballast
<b>BAG-HUECO</b>	BCS39.1FX-11/220-240	10077581	1
	BCD39.1F-01/220-240/1-10V	10097246	1
	BCS39.2FX-11/220-240	10077582	2
	BCD39.2F-01/220-240/1-10V	10097296	2
	MLS54.2F-01/220-240	166412	2
	MLD39.1FR-11/220-240/DALI	10097811	1
	MLS39.1-2FR-11/220-240	10092026	1
	MLS39.1-2FR-11/220-240	10092026	2
	MLD39.2FR-11/220-240/DALI	10092117	2
	MLD14/24.3FR-04/220-240/DALI	10105150	3
	MLS14/24.3-4FR-11/220-240	10095345	3
	MLS14/24.3-4FR-11/220-240	10095345	4
	MLS80.1F-01/220-240	166312	1
	<b>Others</b>	Direct mains	

- (1) Do not use in closed luminaires
- (2) Do not use in combination with a motion sensor
- (3) Do not Dim below 10% / Dali step 170
- (4) Do not Dim below 20% / Dali step 185

### MASTER LEDtube HF InstantFit T5 HO

**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. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Please note that the dimming curve of the LEDtube might differ from the curve of a fluorescent lamp.

# MASTER LEDtube HF T5 HO - 900 mm

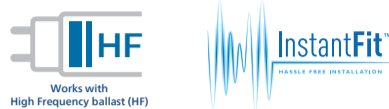
## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



	Ballast type	12nc	Lamps on ballast
PHILIPS	HF-Ri TD 1 14/21/24/39 TL5 E+	9137006708	1
	HF-Ri TD 1 14/21/24/39 TL5 E+	9137006983	1
	HF-P 1 24-39 TL5 HO III IDC	9137130340	1
	HF-P 1 24-39 TL5 HO 220-240	9137001659	1
	HF-S 124-39 TL5 II	9137130344	1
	HF-R 139 TL5 EII	9137006329	1
	HF-P 1 24-39 TL5 HO EII 220-240	9137006131	1
	HF-Pi 2 14/21/24/39 TL5 EII 220-240	9137006242	2
	HF-Ri TD 2 14/21/24/39 TL5 E+	9137006709	2
	HF-Ri TD 2 14/21/24/39 TL5 E+	9137006984	2
	HF-P 224-39 TL5 HO III IDC	9137130341	2
	HF-S 224-39 TL5 II	9137130345	2
	HF-R 239 TL5 DALI 220-240	9137001414	2
	HF-R 239 TL5 EII	9137006332	2
	HF-Pi 1 14/21/24/39 TL5 EII 220-240	9137006240	1
	OSRAM	QT-FIT 5/8 2x18-39	
QTi 1x21/39 Dim			1
QTi DALI 1x21/39 Dim			1
QTi 2x21/39 Dim			2
QTi DALI 2x21/39 Dim			2
QTi 1x14/24/21/39 GII			1
QTi 2x14/24/21/39 GII			2
QT-FQ 1X24-39/230-240F/CW			1
QTP5 1X24-39			1
QT-FQ 1X39/230-240			1
QT-FQ 1X39/230-240 CW			1
HELVAR	EL 1X39/36ngn5		1
	EL 1X39sc		1
	EL 2X39/36ngn5		2
	EL 2X39sc		2
TRIDONIC ATCO	PC 1x39 T5 TOP Ip	22185161	1
	PC 1x39 T5 PRO Ip	22185151	1
	PC 1/39 T5 PRO Ip	22087908	1
	PCA 1x39 T5 BASIC Ip	22185092	1
	PC 2x39 T5 TOP Ip	22185162	2
	PC 2x39 T5 PRO Ip	22185152	2
	PCA 2x39 T5 BASIC Ip	22185093	2
	PCA 1x21/39 T5 ECO IP	22185101	1
	PCA 1x21/39 T5 EXCEL one4all Ip	22185110	1
	PC 2/14-21/24/39 T5 PRO-M Ip	22176185	2
	PCA 2x21/39 T5 ECO IP	22185102	2
PCA 2x21/39 T5 EXCEL one4all Ip	22185111	2	
VOSSLÖH-SCHWABE	ELXc 140.862	188140	1
	ELXc 240.863	188616	2
	ELXc 139.632	188945	1
	ELXd 139.609	188338	1
	ELXd 139.602	188331	1
	ELXc 239.635	188948	2
	ELXd 239.610	188339	2
	ELXd 239.621	188350	2

MAS LEDtube HF 900mm HO 18.5W 8xx T5	
Model number / (Short) EOC code: 9290035965 / 872016916313300 9290035966 / 872016916315700 9290035967 / 872016916317100	
AC (50Hz) on HF Ballast Compatible	
	Dim
	* / Dim (3)
	Dim (2) (4)
	Dim (3)
	Dim (3)
	*
	* / Dim (4)
	Dim (3)
	** / Dim (3)
	** / Dim
	** / Dim (3)
	** / Dim (3)
	*
	*
	**
	**
	**
	**
	**
	*
	*
	**
	**
	*
	* / (2)
	*
	*
	** / Dim (3)
	**
	*
	** / Dim (4)
	**

(1) Do not use in closed luminaires  
 (2) Do not use in combination with a motion sensor  
 (3) Do not Dim below 10% / Dali step 170  
 (4) Do not Dim below 20% / Dali step 185

# MASTER LEDtube HF T5 HO - 900 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
	* Ballast is compatible, light output may differ >10% compared to specifications
	** Ballast is compatible, light output may differ >20% compared to specifications
	Dim Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



MAS LEDtube HF 900mm HO 18.5W 8xx T5
Model number / (Short) EOC code: 9290035965 / 872016916313300 9290035966 / 872016916315700 9290035967 / 872016916317100
AC (50Hz) on HF Ballast Compatible
*
**
*
** / Dim (3)

	Ballast type	12nc	Lamps on ballast
BAG-HUECO	BCS39.1FX-11/220-240	10077581	1
	BCD39.1F-01/220-240/1-10V	10097246	1
	BCS39.2FX-11/220-240	10077582	2
	BCD39.2F-01/220-240/1-10V	10097296	2
	MLS54.2F-01/220-240	166412	2
	MLS39.1-2FR-11/220-240	10092026	1
	MLS39.1-2FR-11/220-240	10092026	2
	MLD39.2FR-11/220-240/DALI	10092117	2
	MLS80.1F-01/220-240	166312	1
Others	Direct mains		

- (1) Do not use in closed luminaires
- (2) Do not use in combination with a motion sensor
- (3) Do not Dim below 10% / Dali step 170
- (4) Do not Dim below 20% / Dali step 185

### MASTER LEDtube HF InstantFit T5 HO

**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. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Please note that the dimming curve of the LEDtube might differ from the curve of a fluorescent lamp.



# MASTER LEDtube HF T5 HO - 1200 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



	Ballast type	12nc	Lamps on ballast
VOSSLOH-SCHWABE	ELXc 254.865	188618	2
	ELXc 154.633	188946	1
	ELXd 154.611	188340	1
	ELXd 154.603	188332	1
	ELXc 254.636	188949	2
	ELXd 254.612	188341	2
	ELXd 254.604	188333	2
BAG-HUECO	BCS54.1FX-11/220-240	10077585	1
	BCD54.1F-01/220-240/1-10V	10097248	1
	BCS54.1FR-01/220-240	10075881	1
	BCS54.2FX-11/220-240	10077586	2
	BCD54.2F-01/220-240/1-10V	10097298	2
	MLS80.1/54.2FR-11/220-240	10071609	1
	MLS80.1FR-11/220-240	10071608	1
	MLD80.1FR-11/220-240/DALI	10097820	1
	MLD54.2FR-11/220-240/DALI	10092121	2
	MLS54.2F-01/220-240	166412	2
	MLS80.1/54.2FR-11/220-240	10071609	2
MLS80.1F-01/220-240	166312	1	
TCI	BTLT 154	137998/154	1
	BTLT 254	137999/54	2
Airen EFA	HFL 254-58M		2
Others	Direct mains		

MAS LEDtube HF 1200mm HO 26W 8xx T5
Model number / (Short) EOC code: 9290023520A / 871869974951400 9290023521A / 871869974953800 9290023522A / 871869974955200
<b>AC (50Hz) on HF Ballast Compatible</b>
*
Dim
Dim
*
*
*

- (1) Do not use in closed luminaires
- (2) Do not use in combination with a motion sensor
- (3) Do not Dim below 10% / Dali step 170
- (4) Do not Dim below 20% / Dali step 185

### MASTER LEDtube HF InstantFit T5 HO

**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. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Please note that the dimming curve of the LEDtube might differ from the curve of a fluorescent lamp.

# MASTER LEDtube HF T5 HO - 1500 mm

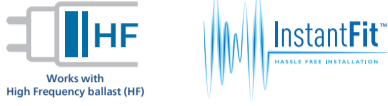
## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



	Ballast type	12nc	Lamps on ballast
PHILIPS	HF-P 1 49 TL5 HO 220-240	9137001660	1
	HF-P 149 TL5 HO EII 220-240	9137006132	1
	HF-P 149 TL5 HO III IDC C2E	9137130280	1
	HF-P 149 TL5 HO III IDC 4CIC	9137130280	1
	HF-S 149 TL5 II 4CIC	9137130334	1
	HF-S 149 TL5 II C2E	9137130334	1
	HF-E 1/2 49 TL5 II	9137130407	1
	HF-P 149 TL5 220-240	9137001177	1
	HF-R 149 TL5 220-240	9137001181	1
	HF-R TD 149 TL5 EII 220-240	9137006062	1
	HF-Pi 1 28/35/49/54 TL5 EII 220-240	9137006241	1
	HF-Ri TD 1 28/35/49/54 TL5 E+	9137006956	1
	HF-Ri TD 1 35/49/80 TL5 E+	9137006957	1
	HF-R Es 149 TL5	9137006620	1
	HF-P Xt 149 TL5 EII 220-240	9137006297	1
	HF-Pi 1 28/35/49/80 TL5 EII	9137006525	1
	HF-R 149 TL5 EII	9137006086	1
	HF-Pi 1 28/35/49/80 TL5 EII 220-240	9137006525	1
	HF-R 149 TL5 EII 220-240	9137006086	1
	HF-Ri TD 1 28-35-49-54 TL5 E+	9137006560	1
	HF-P 249 TL5 220-240	9137001240	2
	HF-P 249 TL5 HO III IDC 4CIC	9137130281	2
	HF-P 249 TL5 HO III IDC C2E	9137130281	2
	HF-E 1/2 49 TL5 II	9137130407	2
	HF-Pi 2 28/35/49/54 TL5 EII 220-240	9137006243	2
	HF-Pi 2 28/35/49/80 TL5 EII	9137006526	2
	HF-Ri TD 2 28/35/49/54 TL5 E+	9137006958	2
	HF-S 249 TL5 II 4CIC	9137130335	2
	HF-S 249 TL5 II C2E	9137130335	2
	HF-R Es 249 TL5	9137006621	2
	HF-P Xt 249 TL5 EII 220-240	9137006298	2
	HF-P 249 TL5 220-240	9137001324	2
	HF-R 249 TL5 EII	9137006087	2
HF-Pi 2 28/35/49/80 TL5 EII 220-240	9137006526	2	
HF-Ri TD 2 28/35/49/54 TL5 E+	9137006561	2	
OSRAM	QT-FQ 1X49/230-240 CW	A45625D00DG	1
	QTP5 1x49 (shorter version)	A63946E01DG	1
	QT-FIT5 1X49	AA7471701DG	1
	QTP5 2X49	AA4002200DG	2
	QT-FIT5 2X49	AA4068801DG	2
	QTP5 1x49 (longer version)		1
	Qti 1x35/49/80 GII	AA3529702OL	1
	Qti 1x35/49/80		1
	Qti 1x28/54/35/49 GII	AA3529600DG	1
	Qti 1x35/49/80 Dim		1
	Qti DALI 1x35/49/80 Dim		1
	Qti 2x35/49/80 GII	A74908402DG	2
	Qti 2x28/54/35/49 GII	AA3529900DG	2
	Qti 2x35/49 Dim		2
	Qti DALI 2x35/49 Dim		2
Qti 2x35/49/80 Dim		2	
Qti DALI 2x35/49/80 Dim	AA3864303OL	2	
HELVAR	EL1x49s-u		1
	EL1x49s		1
	EL1X49ngn5		1
	EL1x49sc		1
	EL2x49s		2
	EL2X49ngn5		2

MAS LEDtube HF 1500mm HO 26W 8xx T5	
Model number / (Short) EOC code: 9290023523A / 871869974957600 9290023524A / 871869974959000 9290023525A / 871869974961300	
AC (50Hz) on HF Ballast Compatible	
*	
*	
**	
*	
* / Dim (3)	
*	
* / Dim	
* / Dim	
*	
*	
*	
Dim (3)	
* / Dim	
** / (1)	
*	
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*	
* / (1)	
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*	
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*	
* / Dim (2)	
*	
*	
*	
* / Dim (3)	
*	
* / Dim (3)	
*	
*	
*	
*	

(1) Do not use in closed luminaires  
 (2) Do not use in combination with a motion sensor  
 (3) Do not Dim below 10% / Dali step 170  
 (4) Do not Dim below 20% / Dali step 185



# MASTER LEDtube HF T5 HO - 1500 mm

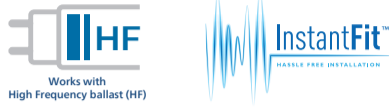
## Ballast Compatibility



### KEY

	Ballast is compatible
	* Ballast is compatible, light output may differ >10% compared to specifications
	** Ballast is compatible, light output may differ >20% compared to specifications
	Dim Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



MAS LEDtube HF 1500mm HO 26W 8xx T5				
Model number / (Short) EOC code: 9290023523A / 871869974957600 9290023524A / 871869974959000 9290023525A / 871869974961300				
AC (50Hz) on HF Ballast Compatible				
Ballast type	12nc	Lamps on ballast		
TRIDONIC ATCO	PC 1/49 T5 PRO Ip	22087917	1	*
	PC 1x49 T5 PRO Ip	22185153	1	*
	PC 1/49 T5 INDUSTRY	89800456	1	*
	PC 1x49 T5 TOP Ip	22185163	1	*
	PCA 1x49 T5 BASIC Ip	22185082	1	*
	PC 2/49 T5 PRO Ip	22087646	2	*
	PCA 2/49 T5 ECO Ip	22089499	2	*
	PC 2x49 T5 PRO Ip	22185154	2	*
	PC 2/49 T5 INDUSTRY	89800457	2	*
	PC 2x49 T5 TOP Ip	22185164	2	*
	PCA 2x49 T5 BASIC Ip	22185083	2	*
	PCA 1x35/49/80 T5 ECO Ip	22185096	1	* / Dim (3)
	PCA 1x35/49/80 T5 EXCEL one4all Ip	22185105	1	* / Dim (4)
	PCA 1x35/49/80 T5 EXCEL one4all Ip	22176172	1	*
	PCA 2x35/49 T5 EXCEL one4all Ip	22185106	2	*
	PCA 2x35/49 T5 ECO Ip	22185097	2	*
PC 2/14-35/49/54 T5 PRO-M Ip	22176186	2	*	
PC 1/14-35/49/80 T5 PRO-M Ip	22176184	1	*	
VOSSLOH-SCHWABE	ELXc 149.234	183116	1	*
	ELXc 249.235	183117	2	*
	ELXc 154.633	188946	1	*
	ELXc 180.634	188947	1	*
	ELXd 180.613	188342	1	* / Dim (2)
	ELXd 180.605	188334	1	*
	ELXc 254.636	188949	2	*
	ELXd 249.614	188343	2	*
	ELXc 280.637	188950	2	*
	ELXd 249.606	188335	2	* / Dim (3)
ELXd 280.630	188604	2	*	
BAG-HUECO	BCS49.1FX-11/220-240	10077583	1	*
	BCD49.1F-01/220-240	10097247	1	* / Dim(3)
	SCS49.1F-01/220-240	166512	1	*
	BCS49.2FX-11/220-240	10077584	2	*
	BCD49.2F-01/220-240	10097297	2	*
	MLS80.1/54.2FR-11/220-240	10071609	1	*
	MLS80.1FR-11/220-240	10071608	1	*
	MLD80.1FR-11/220-240/DALI	10097820	1	*
	MLD54.2FR-11/220-240/DALI	10092121	2	*
	MLD80.2FR-11/220-240/DALI	10101905	2	*
	MLS54.2F-01/220-240	166412	2	*
MLS80.1/54.2FR-11/220-240	10071609	2	*	
MLS80.1F-01/220-240	166312	1	*	
TCI	BTLT 149	137998/149	1	*
	BTLT 249	137999/49	2	*
Others	Direct mains			*

- (1) Do not use in closed luminaires
- (2) Do not use in combination with a motion sensor
- (3) Do not Dim below 10% / Dali step 170
- (4) Do not Dim below 20% / Dali step 185

### General notes MASTER LEDtube HF InstantFit T5 HO

**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. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Please note that the dimming curve of the LEDtube might differ from the curve of a fluorescent lamp.

# MASTER LEDtube HF T5 UO - 1500 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
	Ballast is compatible, light output may differ >10% compared to specifications
	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. Signify attempted to provide best results, results are generated in lab controlled environment and may differ from actual application conditions*



MAS LEDtube HF 1500mm UO 36W 8xx T5
Model number / (Short) EOC code: 9290031539 / 871951441905600 9290031540 / 871951441907000 9290031541 / 871951441909400
AC (50 Hz) on HF Ballast Compatible

	Ballast type	10nc / Ref. no.	Lamps on ballast
PHILIPS	HF-P 2 80 TL5/PL-L III IDC	9137130343	2
	HF-P I 80 TL5/PL-L III IDC	9137130342	1
	HF-P Xt 180 TL5 EII 220-240	9137006301	1
	HF-P Xt 280 TL5 EII 220-240	9137006302	2
	HF-R 180 TL5/PLL EII	9137006090	1
	HF-R 280 TL5/PLL EII 220-240	9137006091	2
	HF-R TD 180 TL5/PLL 220-240	9137006066	1
	HF-R TD 280 TL5/PL-L EII	9137006096	2
	HF-S 2 80 TL5/PL-L II	9137130423	2
	HF-P 180 TL5/PL-L EII 220-240	9137001989	1
OSRAM	QT-FQ 1x80/230-240		1
	QT-FQ 2x80		2
	QTP5 1x80		1
	Qti 1x35/49/80 GII		1
HELVAR	EL1x80iDim		1
	EL1x80sc		1
	EL2x80iDim		2
TRIDONIC/ATCO	PC 1/80 T5 INDUSTRY	89800460	1
	PC 1x80 T5 PRO Ip	22185209	1
	PC 2/80 T5 INDUSTRY	89800461	2
	PC 2x80 T5 PRO Ip	22185210	2
	PCA 1x80 T5 BASIC Ip	22185084	1
	PCA 2x80 T5 BASIC Ip	22185085	2
	PCA 2x80 T5 ECO Ip	22185098	2
	PCA 2x80 T5 EXCEL one4all Ip	22185107	2
	PC 1/80 T5 PRO Ip	22087618	1
LUXMATE PCA 1/80 T5 ECO		1	
VOSSLOH-SCHWABE	ELXc 180.866	188144	1
	ELXc 280.538	188619	2
	ELXc 180.634	188947	1
	ELXc 280.637	188950	2
BAG-HUECO	BCS80.1FX-11/220-240	10077587	1
	BCS80.2FX-11/220-240	10095407	2
	SCS80.2F-01/220-240	166692	2
	MLS80.1/54.2FR-11/220-240	10071609	1
	MLS80.1FR-11/220-240	10071608	1
	MLD80.1FR-11/220-240/DALI	10097820	1
	MLD80.2FR-11/220-240/DALI	10101905	2
Others	Direct mains		

### General notes Philips Master LEDtube HF InstantFit T5 UO

**General notes:** 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. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Ballast types indicated in this list with DIM are conditional released by Signify 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.

# MASTER LEDtube HF T5 HE - 600 mm

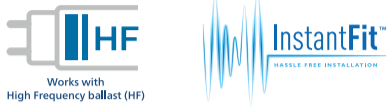
## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



Ballast type	10nc / Ref. no	Lamps on ballast
BLUE 114 LH TL/PLS/PLC	9137004217	1
EB-C 114 TL5	9137131962	1
EB-Ci 1-2 14-28W	9137130432	1
HF-E 114 TL5 II	9137130414	1
HF-P 1 14-35 TL5 HE III IDC 4CIC	9137130310	1
HF-P 1 14-35 TL5 HE III IDC C2E	9137130310	1
HF-R 114 TL5 220-240	9137001287	1
HF-R Es 114-35 TL5	9137006616	1
HF-Ri TD 1 14/21/24/39 TL5 E+	9137006708	1
HF-Ri TD 1 14/21/24/39 TL5 E+	9137006983	1
HF-R 114-35 TL5 EII	9137006198	1
HF-S 114-35 TL5 II	9137130429	1
HF-S 1 14-35 TL5 HE II	9137130420	1
HF-P 1 14-35 TL5 HE EII 220-240	9137006129	1
EB-C 128 TL5 II	9137130404	2
HF-Pi 2 28/35/49/54 TL5 EII 220-240	9137006243	2
EB-C 214 TL5	9137131969	2
EB-Ci 1-2 14-28W	9137130432	2
HF-E 214 TL5 II	9137130415	2
HF-P 2 14-35 TL5 HE III IDC	9137130311	2
HF-S 2 14-35 TL5 HE II	9137130421	2
HF-R Es 214-35 TL5	9137006617	2
HF-R DALI 214 TL5 220-240	9137001313	2
HF-Pi 2 14/21/24/39 TL5 EII 220-240	9137006242	2
HF-Ri TD 2 14/21/24/39 TL5 E+	9137006709	2
HF-Ri TD 2 14/21/24/39 TL5 E+	9137006984	2
HF-R 214-35 TL5 EII	9137006195	2
HF-S 214-28 TL5 II	9137130430	2
EB-C 314 TL5	9137131967	3
HF-E 3/414 TL5 II	9137130413	3
HF-S 3/414 TL5 II	9137130330	3
HF-R 3/414 TL5 220-240	9137001423	3
HF-R TD 314 TL5 EII	9137006291	3
HF-Ri TD 3 14/24 TL5 E+	9137006790	3
HF-P 3/414 TL5 III IDC	9137130339	3
HF-R 314 TL5 EII	9137006294	3
HF-P 3/4 14 TL5 EII 220-240	9137006013	3
EB-Ci 1-2 14-28W	9137130432	3
HF-E 3/414 TL5 II	9137130413	4
HF-S 3/414 TL5 II	9137130330	4
HF-R 3/414 TL5 220-240	9137001423	4
HF-P 3/414 TL5 III IDC	9137130339	4
HF-R 414 TL5 EII	9137006144	4
HF-P 3/4 14 TL5 EII 220-240	9137006013	4
HF-Ri TD 4 14/24 TL5 E+	9137006791	4
HF-Pi 3/4 14/24 TL5/PLL EII	9137006576	3
HF-Pi 3/4 14/24 TL5/PLL EII	9137006576	4
HF-P 414 TL5 220-240	9137001562	4
HF-S 214 TL5 II	9137130329	2
HF-S 114-21 TL5 II	9137130328	1

MAS LEDtube HF 600mm  
HE 8W 8xx T5

Model number / (Short) EOC code:  
9290013907B / 871869674323200  
9290013908B / 871869674325600  
9290013909B / 871869674327000

AC (50 Hz) on HF Ballast Compatible
**
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**
**
Dim
Dim (2) (4)
Dim (3)
Dim (3)
*
**
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*
** (1)
*
Dim (3)
Dim
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** (1)
Dim (3)
* / Dim (3)
Dim (3)
*
*
** (1)
Dim (3)
* / Dim (1) (5)
*
*
**
Dim
**
** / Dim (4)
** / Dim (4)

QT-FIT5 3x14, 4x14	3
QTP5 3x14, 4x14	3
EZ-T5 3x14/220	3
QT-FIT5 3x14, 4x14	4
QTP5 3x14, 4x14	4
QT-FIT5 1x14-35	1
QTP5 1x14-35	1
QT-FIT5 2x14-35	2
QTP5 2x14-35	2
Qti 2x28/54	2
QTi 1x14/24/21/39 GII	1
Qti DALI 2x14/24 Dim	2
QTi 2x14/24/21/39 GII	2
QTi DALI 3x14/24 Dim	3
QTi 3x14/24 Dim	3
QTi 4x14/24 Dim	4
QTi DALI 4x14/24 Dim	4

(1) Do not use in closed luminaires  
 (2) Audible noise might be detected when used in silent applications  
 (3) Do not Dim below 10% / Dali step 170  
 (4) Do not Dim below 20% / Dali step 185  
 (5) Set max Dimlevel to Dali step 240

# MASTER LEDtube HF T5 HE - 600 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



	Ballast type	10nc / Ref. no.	Lamps on ballast
HELVAR	EL3/4x14ngn5		
	EL3/4x14ngn5		
	EL1x14-35ngn5		
	EL2x14-35ngn5		
	EL2x14-35iDim		
	EL2x14-35s		
TRIDOMIC ATCO	PC 1x14 T5 TEC Ip	87500211	1
	PCA 2x14 T5 BASIC Ip	22185077	2
	PC 3/4x14 T5 TOP Ip	22185220	3
	PC 3/4x14 T5 PRO Ip	22185211	3
	PC 4x14 T5 TEC Ip	87500214	4
	PC 3/4x14 T5 TOP Ip	22185220	4
	PC 3/4x14 T5 PRO Ip	22185211	4
	PC 1x14-35 T5 TOP Ip	22185157	1
	PC 1x14-35 T5 PRO Ip	22185147	1
	PC 1x14-21W BASIC sl	22176001	1
	PC 1/14-21-28-35 T5 PRO Ip	22087725	1
	PC 1/14-21-28-35 T5 PRO Ip	22176096	1
	PC 2x14-28 T5 TOP Ip	22185158	2
	PC 2x14-35 T5 PRO Ip	22185148	2
	PC 2/14-35/49/54 T5 PRO-M Ip	22176186	2
	PC 1/14-35/49/80 T5 PRO-M Ip	22176184	1
	PC 2/14-21/24/39 T5 PRO-M Ip	22176185	2
	PCA 2x14/24 T5 ECO Ip	22185095	2
	PCA 2x14/24 T5 EXCEL one4all Ip	22185104	2
	PCA 3x14/24 T5 EXCEL one4all Ip	22176209	3
	PCA 3x14/24 T5 ECO Ip	22176211	3
PCA 3x14/24 T5 EXCITE Ip	28000307	3	
PCA 4x14/24 T5 EXCEL one4all Ip	22176210	4	
PCA 4x14/24 T5 ECO Ip	22176212	4	
PCA 4x14/24 T5 EXCITE Ip	28000308	4	
VOSSLOH-SCHWABE	ELXc 114.238	183122	1
	ELXc 214.240	183124	2
	ELXc 414.227	183109	3
	ELXc 414.868	188438	3
	ELXc 414.227	183109	4
	ELXc 414.242	183126	4
	ELXc 414.868	188438	4
	ELXc 135.220	188921	1
	ELXc 228.229	183111	1
	ELXc 228.229	183111	2
	ELXc 135.231	183113	1
	ELXc 135.856	188093	1
	ELXd 135.724	188932	1
	ELXd 135.823	188717	1
	ELXc 235.857	188094	2
	ELXc 235.221	188922	2
	ELXd 235.725	188933	2
	ELXd 235.735	183059	2
	ELXc 139.632	188945	1
	ELXd 124.600	188329	1
	ELXd 124.607	188336	1
	ELXc 239.635	188948	2
	ELXd 224.601	188330	2
	ELXd 224.608	188337	2
	ELXd 324.623	188597	3
	ELXd 324.626	188600	3
ELXd 424.624	188598	4	
ELXd 424.628	188602	4	

MAS LEDtube HF 600mm HE 8W 8xx T5	
Model number / (Short) EOC code: 9290013907B / 871869674323200 9290013908B / 871869674325600 9290013909B / 871869674327000	
AC (50 Hz) on HF Ballast Compatible	
	*
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	*
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	*
	*
	Dim
	*
	Dim (3)
	Dim (3)
	** / Dim (3)
	** / Dim (3)

(1) Do not use in closed luminaires  
 (2) Audible noise might be detected when used in silent applications  
 (3) Do not Dim below 10% / Dali step 170  
 (4) Do not Dim below 20% / Dali step 185  
 (5) Set max Dimlevel to Dali step 240



# MASTER LEDtube HF T5 HE - 600 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
	* Ballast is compatible, light output may differ >10% compared to specifications
	** Ballast is compatible, light output may differ >20% compared to specifications
	Dim Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



	Ballast type	10nc / Ref. no.	Lamps on ballast
BAG-HUECO	BCS14.3-4FR-01/220-240	10052868	3
	BCS14.3-4FR-01/220-240	10052868	4
	BCS35.1FX-11/220-240	10077579	1
	BCD35.1F-01/220-240/1-10V	10097244	1
	BCS35.2FX-11/220-240	10077580	2
	MLS54.2F-01/220-240	166412	2
	MLD39.1FR-11/220-240/DALI	10097811	1
	MLS39.1-2FR-11/220-240	10092026	1
	MLS39.1-2FR-11/220-240	10092026	2
	MLD39.2FR-11/220-240/DALI	10092117	2
	MLD14/24.3FR-04/220-240/DALI	10105150	3
	MLS14/24.3-4FR-11/220-240	10095345	3
	MLS14/24.3-4FR-11/220-240	10095345	4
	TCI	BTL 414	
BTL 414			
Arlen EFA	BE - 214-35 - T5		
Others	Direct mains		

MAS LEDtube HF 600mm HE 8W 8xx T5
Model number / (Short) EOC code: 9290013907B / 871869674323200 9290013908B / 871869674325600 9290013909B / 871869674327000
<b>AC (50 Hz) on HF Ballast Compatible</b>
*
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*
*
Dim (3)
*
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*
*
*

- (1) Do not use in closed luminaires
- (2) Audible noise might be detected when used in silent applications
- (3) Do not Dim below 10% / Dali step 170
- (4) Do not Dim below 20% / Dali step 185
- (5) Set max Dimlevel to Dali step 240

### General notes Philips Master LEDtube HF InstantFit 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. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Please note that the dimming curve of the LEDtube might differ from the curve of a fluorescent lamp

# MASTER LEDtube HF T5 HE - 900 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



	Ballast type	12nc	Lamps on ballast
PHILIPS	HF-MATCHBOX BLUE 121 LH TL5	9137004183	1
	HF-E 121 TL5 II	9137130416	1
	EB-Ci 1-2 14-28W	9137130432	1
	HF-P 1 14-35 TL5 HE III IDC 4CIC	9137130310	1
	HF-P 1 14-35 TL5 HE III IDC C2E	9137130310	1
	HF-R Es 114-35 TL5	9137006616	1
	HF-R 121 TL5 220-240	9137001288	1
	HF-Ri TD 1 14/21/24/39 TL5 E+	9137006708	1
	HF-Ri TD 1 14/21/24/39 TL5 E+	9137006983	1
	HF-R 114-35 TL5 EII	9137006198	1
	HF-S 114-35 TL5 II	9137130429	1
	HF-S 1 14-35 TL5 HE II	9137130420	1
	HF-P 1 14-35 TL5 HE EII 220-240	9137006129	1
	HF-Pi 2 28/35/49/54 TL5 EII 220-240	9137006243	2
	EB-Ci 1-2 14-28W	9137130432	2
	HF-P 2 14-35 TL5 HE III IDC	9137130311	2
	HF-S 2 14-35 TL5 HE II	9137130421	2
	HF-R Es 214-35 TL5	9137006617	2
	HF-Pi 2 14/21/24/39 TL5 EII 220-240	9137006242	2
	HF-Ri TD 2 14/21/24/39 TL5 E+	9137006709	2
HF-Ri TD 2 14/21/24/39 TL5 E+	9137006984	2	
HF-R 214-35 TL5 EII	9137006195	2	
HF-S 214-28 TL5 II	9137130430	2	
HF-S 3/414 TL5 II	9137130330	3	
HF-Pi 1 14/21/24/39 TL5 EII 220-240	9137006240	1	
HF-S 114-21 TL5 II	9137130328	1	
OSRAM	EZ-T5 1x21/220		1
	EZP5 1x21/220-230		1
	QT-FIT5 1x14-35		1
	QTP5 1x14-35		1
	QT-FIT5 2x14-35		2
	QTP5 2x14-35		2
	QTi 1x21/39 Dim		1
	QTi DALI 1x21/39 Dim		1
	QTi 2x21/39 Dim		2
	QTi DALI 2x21/39 Dim		2
	Qti 2x28/54		2
	QTi 1x14/24/21/39 GII		1
QTi 2x14/24/21/39 GII		2	
HELVAR	EL1x14-35ngn5		1
	EL2x14-35ngn5		2
	EL2x14-35iDim		2
	EL2x14-35s		2
TRIDONIC/ATCO	PC 1x21 T5 TEC Ip	87500217	1
	PC 1x14-35 T5 TOP Ip	22185157	1
	PC 1x14-35 T5 PRO Ip	22185147	1
	PC 1x14-21W BASIC sl	22176001	1
	PC 1/14-21-28-35 T5 PRO Ip	22087725	1
	PC 1/14-21-28-35 T5 PRO Ip	22176096	1
	PC 2x14-28 T5 TOP Ip	22185158	2
	PC 2x14-35 T5 PRO Ip	22185148	2
	PC 2/14-35/49/54 T5 PRO-M Ip	22176186	2
	PCA 1x21/39 T5 ECO IP	22185101	1
	PCA 1x21/39 T5 EXCEL one4all Ip	22185110	1
	PC 2/14-21/24/39 T5 PRO-M Ip	22176185	2
	PCA 2x21/39 T5 ECO IP	22185102	2
	PCA 2x21/39 T5 EXCEL one4all Ip	22185111	2

MAS LEDtube HF 900mm HE 11.5W 8xx T5
Model number / (Short) EOC code: 9290035968 / 872016916319500 9290035969 / 872016916321800 9290035970 / 872016916323200
AC (50Hz) on HF Ballast Compatible
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Dim (3)
Dim (3)
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Dim (1) (3)
Dim (4)
Dim (3)
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** / Dim (3)
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(1) Do not use in closed luminaires  
 (2) Audible noise might be detected when used in silent applications  
 (3) Do not Dim below 10% / Dali step 170  
 (4) Do not Dim below 20% / Dali step 185  
 (5) Set max Dimlevel to Dali step 240

# MASTER LEDtube HF T5 HE - 900 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



MAS LEDtube HF 900mm HE 11.5W 8xx T5
Model number / (Short) EOC code: 9290035968 / 872016916319500 9290035969 / 872016916321800 9290035970 / 872016916323200
AC (50Hz) on HF Ballast Compatible
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* / Dim (4)
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	Ballast type	12nc	Lamps on ballast
VOSSLOH-SCHWABE	ELXc 135.220	188921	1
	ELXc 228.229	183111	1
	ELXc 228.229	183111	2
	ELXc 135.231	183113	1
	ELXc 135.856	188093	1
	ELXd 135.724	188932	1
	ELXd 135.823	188717	1
	ELXc 235.857	188094	2
	ELXc 235.221	188922	2
	ELXd 235.725	188933	2
	ELXd 235.735	183059	2
	ELXc 139.632	188945	1
	ELXd 139.609	188338	1
	ELXd 139.602	188331	1
	ELXc 239.635	188948	2
	ELXd 239.610	188339	2
ELXd 239.621	188350	2	
BAG-HUECO	BCS35.1FX-11/220-240	10077579	1
	BCD35.1F-01/220-240/1-10V	10097244	1
	BCS35.2FX-11/220-240	10077580	2
	MLS54.2F-01/220-240	166412	2
	MLD39.1FR-11/220-240/DALI	10097811	1
	MLS39.1-2FR-11/220-240	10092026	1
	MLS39.1-2FR-11/220-240	10092026	2
	MLD39.2FR-11/220-240/DALI	10092117	2
TCI	BTL 414	137999/414L	3
ELT	BE - 214-35 - T5		2
Others	Direct mains		

- (1) Do not use in closed luminaires
- (2) Audible noise might be detected when used in silent applications
- (3) Do not Dim below 10% / Dali step 170
- (4) Do not Dim below 20% / Dali step 185
- (5) Set max Dimlevel to Dali step 240

### General notes Philips Master LEDtube HF InstantFit 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. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Please note that the dimming curve of the LEDtube might differ from the curve of a fluorescent lamp

# MASTER LEDtube HF T5 HE - 1200 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



	Ballast type	12nc	Lamps on ballast
PHILIPS	HF-P 128 TL5 220-240	9137001366	1
	EB-C 128 TL5 II	9137130404	1
	EB-C 228 TL5 II	9137130406	2
	HF-S 128-35 TL5 II	9137130332	1
	HF-Pi 1 28/35/49/54 TL5 EII 220-240	9137006241	1
	HF-Ri TD 1 28/35/49/54 TL5 E+	9137006956	1
	HF-Pi 1 28/35/49/80 TL5 EII	9137006525	1
	EB-C 128 TL5	9137131964	1
	EB-Ci 1-2 14-28W	9137130432	1
	HF-P 1 14-35 TL5 HE III IDC 4CIC	9137130310	1
	HF-P 1 14-35 TL5 HE III IDC C2E	9137130310	1
	HF-R 114-35 TL5 EII	9137006198	1
	BLUE 128 LH TL5	9137004199	1
	HF-Pi 1 28/35/49/80 TL5 EII 220-240	9137006525	1
	HF-S 114-35 TL5 II	9137130429	1
	HF-S 1 14-35 TL5 HE II	9137130420	1
	HF-P 1 14-35 TL5 HE EII 220-240	9137006129	1
	HF-Ri TD 1 28-35-49-54 TL5 E+	9137006560	1
	EB-C 128 TL5 II	9137130404	2
	HF-Pi 2 28/35/49/54 TL5 EII 220-240	9137006243	2
	HF-Pi 2 28/35/49/80 TL5 EII	9137006526	2
	HF-Ri TD 2 28/35/49/54 TL5 E+	9137006958	2
	EB-C 228 TL5	9137131971	2
	EB-Ci 1-2 14-28W	9137130432	2
	HF-P 2 14-35 TL5 HE III IDC	9137130311	2
	HF-S 2 14-35 TL5 HE II	9137130421	2
	HF-R Es 214-35 TL5	9137006617	2
	HF-R T 228 TL5 220-240	9137001863	2
	HF-Pi 2 14/21/24/39 TL5 EII 220-240	9137006242	2
	HF-Pi 2 28/35/49/80 TL5 EII 220-240	9137006526	2
	HF-R 214-35 TL5 EII	9137006195	2
	HF-Ri TD 2 28/35/49/54 TL5 E+	9137006561	2
HF-S 214-28 TL5 II	9137130430	2	
HF-R Es 114-35 TL5	9137006616	1	
HF-S 114-21 TL5 II	9137130328	1	
OSRAM	EZP5 2x28/220-230		2
	QT-FIT5 1x14-35		1
	QTP5 1x14-35		1
	QT-FIT5 2x14-35		2
	QTP5 2x14-35		2
	Qti 1x28/54/35/49 GII		1
	Qti 1x28/54 Dim		1
	Qti DALI 1x28/54 Dim		1
	Qti 2x28/54/35/49 GII		2
	Qti 2x28/54 Dim		2
Qti DALI 2x28/54 Dim		2	
Qti 2x28/54		2	
HELVAR	EL1x14-35ngn5		1
	EL2x14-35ngn5		2
	EL2x14-35iDim		2
	EL2x14-35s		2

MAS LEDtube HF 1200mm HE 16.5W 8xx T5
Model number / (Short) EOC code: 9290013910B / 871869674329400 9290013911B / 871869674331700 9290013912B / 871869674333100
AC (50Hz) on HF Ballast Compatible
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Dim (2) (3)
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(1) Do not use in closed luminaires  
 (2) Audible noise might be detected when used in silent applications  
 (3) Do not Dim below 10% / Dali step 170  
 (4) Do not Dim below 20% / Dali step 185  
 (5) Set max Dimlevel to Dali step 240



# MASTER LEDtube HF T5 HE - 1200 mm



## Ballast Compatibility

### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



MAS LEDtube HF 1200mm  
HE 16.5W 8x T5

Model number / (Short) EOC code:  
9290013910B / 871869674329400  
9290013911B / 871869674331700  
9290013912B / 871869674333100

AC (50Hz) on HF Ballast Compatible

	Ballast type	12nc	Lamps on ballast
TRIDOMIC ATCO	PCA 1x28 T5 BASIC Ip	22185086	1
	PCA 2x28 T5 BASIC Ip	22185087	2
	PC 1x14-35 T5 TOP Ip	22185157	1
	PC 1x14-35 T5 PRO Ip	22185147	1
	PC 1/14-21-28-35 T5 PRO Ip	22087725	1
	PC 1/14-21-28-35 T5 PRO Ip	22176096	1
	PC 2x14-28 T5 TOP Ip	22185158	2
	PC 2x14-35 T5 PRO Ip	22185148	2
	PCA 1x28/54 T5 ECO Ip	22185099	1
	PCA 1x28/54 T5 EXCEL one4all Ip	22185108	1
	PCA 2x28/54 T5 ECO Ip	22185100	2
	PCA 2x28/54 T5 EXCEL one4all Ip	22185109	2
	PC 2/14-35/49/54 T5 PRO-M Ip	22176186	2
	PC 1/14-35/49/80 T5 PRO-M Ip	22176184	1
	PC 1X28/54 T5 EXCEL one4all Ip	22176174	1
VOSSLOH-SCHWABE	ELXc 328.230	183112	3
	ELXc 135.220	188921	1
	ELXc 228.229	183111	1
	ELXc 228.229	183111	2
	ELXc 135.231	183113	1
	ELXc 135.856	188093	1
	ELXd 135.724	188932	1
	ELXd 135.823	188717	1
	ELXc 235.857	188094	2
	ELXc 235.221	188922	2
	ELXd 235.725	188933	2
	ELXd 235.735	183059	2
	ELXc 154.633	188946	1
	ELXd 154.611	188340	1
	ELXd 154.603	188332	1
	ELXc 254.636	188949	2
ELXd 254.612	188341	2	
ELXd 254.604z	188333	2	
BAGHUECO	BCS35.1FX-11/220-240	10077579	1
	BCD35.1F-01/220-240/1-10V	10097244	1
	BCS35.2FX-11/220-240	10077580	2
	MLS54.2F-01/220-240	166412	2
	MLD54.2FR-11/220-240/DALI	10092121	2
	MLD54.1FR-11/220-240/DALI	10097815	1
	MLS80.1/54.2FR-11/220-240	10071609	1
	MLS80.1/54.2FR-11/220-240	10071609	2
	MLS80.1FR-11/220-240	10071608	1
ELT	BE - 214-35 - T5		2
GELEC	CDZ128LY10		1
Others	Direct mains		

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	Dim (3)
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- (1) Do not use in closed luminaires
- (2) Audible noise might be detected when used in silent applications
- (3) Do not Dim below 10% / Dali step 170
- (4) Do not Dim below 20% / Dali step 185
- (5) Set max Dimlevel to Dali step 240

### General notes Philips Master LEDtube HF InstantFit 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. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Please note that the dimming curve of the LEDtube might differ from the curve of a fluorescent lamp





# MASTER LEDtube HF T8 - 600 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
CF	Ballast is compatible and supports camera friendly performance on commonly used consumer cameras
	Ballast is not compatible
	Ballast LEDtube combination not tested

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



	Ballast type	10nc / Ref. no.	Lamps on ballast
PHILIPS	HF-P 118 TLD III IDC	9137130312	1
	HF-P 218 TLD III IDC	9137130313	2
	HF-S 118 TLD II	9137130320	1
	HF-S 218 TL-D II 220-240V 50/60Hz	9137130323	2
	HF-S 3/4x18 TLD II	9137130326	3
	HF-S 3/4x18 TLD II	9137130326	4
	HF-Matchbox 1x18 Blue	9137004180 / 9137004179	1
	HF-Matchbox 1x18 RED	9137004234	1
	HF-P 3/4x18 TLD III IDC	9137130314	3
	HF-P 3/4x18 TLD III IDC	9137130314	4
	HF-E 136 TL-D II 220-240V 50/60Hz (HF-E 218 TLD)	9137130390	2
	HF-E 418 TL-D II 220-240V 50/60Hz-parl	9137130412	4
	HF-P 118 TLD 220-240	9137001709	1
	HF-P 118/136 TL-D III	9137130315	1
	HF-S 118/136 TL-D II	9137130321	1
	HF-P 218/236 TL-D III	9137130316	2
	HF-S 218/236 TL-D II	9137130324	2
	HF-R 318 TL-D EII	9137006295	3
	HF-R 418 TL-D EII	9137006146	4
	HF-P 118 TLD EII 220-240	9137001910	1
HF-Pi 1 14/21/24/39 TL5 EII 220-240	9137006240	1	
EB-Ci 1-2 36w/1-4 18W	9137130431	1	
EB-Ci 1-2 36w/1-4 18W	9137130431	2	
EB-Ci 1-2 36w/1-4 18W	9137130431	3	
EB-Ci 1-2 36w/1-4 18W	9137130431	4	
OSRAM	QTP8 1x18		1
	QTP8 2x18		2
	QT-FIT8 1x18		1
	QT-FIT8 2x18		2
	QT Fit 5/8 1x18-39		1
	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
HELVAR	EL1x18ngn		1
	EL2x18ngn		2
	EL 3/4x18ngn		4
	EL 3/4x18ngn		3
	EL1x18s		1
	EL 4x18ngn		4
EL2x18s		2	
TRIDONIC ATCO	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
	PC 3/4X18 TOP Ip	22185219 / 22185228	4
	PC 1/14-35/24/39 T5 PRO-M Ip	22176182	1
	PC 2/14-35/24/39 T5 PRO-M Ip	22176185	2
	PC 1x18 T8 TEC	87500113	1
	PC 2x18 T8 TEC	87500114	2

MAS LEDtube HF 600mm HO 8W 8xx T8	
Model number / (Short) EOC code: 9290013931C / 871951446640100 9290013932C / 871951446642500 9290013933C / 871951446644900	
AC (50Hz) on HF Ballast Compatible	
CF	
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# MASTER LEDtube HF T8 - 600 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
CF	Ballast is compatible and supports camera friendly performance on commonly used consumer cameras
	Ballast is not compatible
	Ballast LEDtube combination not tested

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



	Ballast type	10nc / Ref. no.	Lamps on ballast
VOSSLOH-SCHWABE	ELXc 136.200	188314	1
	ELXc 236.208	188705	2
	ELXc 424.379	188116	3
	ELXc 424.379	188116	4
	ELXc 418.204	188318	3
	ELXc 418.204	188318	4
	ELXc 136.207	188708	1
BAG-HUECO	BCS18.1FX-11/220-240	1007 7588	1
	BCS18.2FX-11/220-240	1007 7589	2
	BCS18.3-4LR-01/220-240 3lamp	1005 0999	3
	BCS18.3-4LR-01/220-240 4lamp	1005 0999	4
Others	Direct mains		
	Electro Magnetic Ballast		

MAS LEDtube HF 600mm HO 8W 8xx T8
Model number / (Short) EOC code: 9290013931C / 871951446640100 9290013932C / 871951446642500 9290013933C / 871951446644900
<b>AC (50Hz) on HF Ballast Compatible</b>
CF
* / CF
CF
CF
CF
CF
* / CF
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CF

### General notes Philips Master LEDtube HF 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 LEDtube InstantFit range is designed to work on HF ballasts only. For EM ballasts or direct mains connection, please contact a Signify sales representative for more information on our EM/Mains compatible range. This document is for information purposes only and must be treated as recommendation. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://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.

# MASTER LEDtube HF T8 - 1200 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
CF	Ballast is compatible and supports camera friendly performance on commonly used consumer cameras
	Ballast is not compatible
	Ballast LEDtube combination not tested

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



			MAS LEDtube HF 1200mm 14W 833 T8 FOOD	MAS LEDtube HF 1200mm HO 14W8xx T8	MAS LEDtube HF 1200mm UO 16W8xx T8	
			Model number / (Short) EOC code: 9290024794 / 871951429616900	Model number / (Short) EOC code: 9290035534 / 871951446688300 9290035535 / 871951446684500 9290035536 / 871951446686900	Model number / (Short) EOC code: 9290035540 / 871951446700200 9290035541 / 871951446696800 9290035542 / 871951446698200	
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	
PHILIPS	HF-B 136 TLD 220-240	9137001122	1	*	*	*
	HF-B 136 TLD EII 220-240	9137001926	1	*	* / CF	* / CF
	HF-B 236 TL-D 220-240	9137001124	2	*	*	*
	HF-B 236 TLD EII 220-240	9137001928	2	*	*	*
	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	*	* / CF	* / CF
	HF-P 136 TL-D III IDC	9137130315	1		CF	CF
	HF-P 236 TL-D III IDC	9137130316	2			
	HF-P 336 TL-D III IDC	9137130317	3	*	* / CF	* / CF
	HF-P Xt 136 TLD EII 220-240	9137006177	1	*	* / CF	* / CF
	HF-P XT 236 TLD EII 220-240	9137006178	2	*	* / CF	* / CF
	HF-P 136 TLD EII 220-240	9137001911	1	*	* / CF	* / CF
	HF-P 236 TLD 230-240	9137001112	2			*
	HF-Pi 1 14/21/24/39 TL5 EII 220-240	9137006240	1		CF	CF
	HF-R 136 TL-D EII	9137006092	1	Dim	Dim / CF	Dim / CF
	HF-R 236 TL-D EII	9137006093	2			
	HF-R 136 TL-D 220-240V 50/60Hz	9137001117	1			
	HF-S 136 TL-D II	9137130321	1	*	* / CF	* / CF
	HF-S 236 TL-D II	9137130324	2			
	HF-S 336 TL-D II	9137130327	3	*	* / CF	* / CF
	HF-P 118/136 TL-D III	9137130315	1		CF	CF
	HF-S 118/136 TL-D II	9137130321	1	*	* / CF	CF
	HF-P 218/236 TL-D III	9137130316	2			
	HF-S 218/236 TL-D II	9137130324	2			
EB-C 136 TL-D 220-240	9137131992	1				
EB-Ci 1-2 36w/1-4 18W	9137130431	1		CF	CF	
EB-Ci 1-2 36w/1-4 18W	9137130431	2				
OSRAM	QT-FIT8 1x36		1	*	* / CF	* / CF
	QT-FIT8 2x36		2	*	* / CF	* / CF
	QTP8 1x36		1	*	* / CF	* / CF
	QTP8 2x36		2	*	*	*
	QTP-OPTIMAL 1x18-40		1		CF	CF
	QTP-OPTIMAL 2x18-40		2	*	* / CF	* / CF
	QTP-DL 1x36-40		1		*	*
	QT-FIT 5/8 1x18-39		1		CF	CF
	QT-FIT 5/8 2x18-39		2	*	* / CF	* / CF
HELVAR	EL1x36/40/18S		1	*	* / CF	* / CF
	EL1x36HF		1			
	EL1x36ngn		1	*	* / CF	* / CF
	EL2x36/40s		2	*	* / CF	* / CF
EL2x36ngn		2				
TRIDONIC ATCO	PC 1/36 T8 INDUSTRY	86458035	1			
	PC 1/36 T8 PRO	22176217	1			
	PC 1x36 T8 PRO Ip	22185214	1		CF	CF
	PC2/36 T8 INDUSTRY	86458036	2	*	* / CF	* / CF
	PC2x36 T8 PRO sl	22185217	2	*	* / CF	* / CF
	PC 2x36 T8 TOP sl	22185226	2	*	* / CF	* / CF
	PC 1x36 T8 TOP sl	22185223	1		CF	CF
	PC1/36 T8 PRO sc	89800008	1			
	PC 1/36 T8 PRO	22176108	1			
	PC 3/36 T8 PRO	22176231	3	*	*	*
PC 1/36 TCL PRO	87500507	1		* / CF	* / CF	

# MASTER LEDtube HF T8 - 1200 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
CF	Ballast is compatible and supports camera friendly performance on commonly used consumer cameras
	Ballast is not compatible
	Ballast LEDtube combination not tested

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



			MAS LEDtube HF 1200mm 14W 833 T8 FOOD	MAS LEDtube HF 1200mm HO 14W8xx T8	MAS LEDtube HF 1200mm UO 16W8xx T8
			Model number / (Short) EOC code: 9290024794 / 871951429616900	Model number / (Short) EOC code: 9290035534 / 871951446688300 9290035535 / 871951446684500 9290035536 / 871951446686900	Model number / (Short) EOC code: 9290035540 / 871951446700200 9290035541 / 871951446696800 9290035542 / 871951446698200
			AC (50 Hz) on HF Ballast Compatible	AC (50 Hz) on HF Ballast Compatible	AC (50 Hz) on HF Ballast Compatible
Ballast type	10nc / Ref. no.	Lamps on ballast			
VOSSLÖH-SCHWABE	ELXc 136.207	188708	1		* / CF
	ELXc 236.202	188316	2		* / CF
	ELXc 236.208	188705	2		* / CF
	ELXe 238.527	188137	2		CF
	ELXe 238.527	188137	1		CF
BAG-HUECO	BCS36.1FX-11/220-240	10077590	1		CF
	BCS36.2FX-11/220-240	10077591	2		
	D36.2-23021 E	166132	2		
	D 58.1-23021 E	166072	1		* / CF
	ECS36.2SR-01/220-240	167032	2		* / CF
Trilux	D36.2-23021 E		2		
	D58.1-23021E		1		*
	DD58.1-23031E		1		
Other	EM ballast				
	Direct Mains				

### General notes Philips Master LEDtube HF 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 LEDtube InstantFit range is designed to work on HF ballasts only. For EM ballasts or direct mains connection, please contact a Signify sales representative for more information on our EM/Mains compatible range. This document is for information purposes only and must be treated as recommendation. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Ballast types indicated in this list with DIM are conditional released by Signify 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.

# MASTER LEDtube HF T8 - 1500 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
CF	Ballast is compatible and supports camera friendly performance on commonly used consumer cameras
	Ballast is not compatible
	Ballast LEDtube combination not tested

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



	Ballast type	10nc / Ref. no.	Lamps on ballast	MAS LEDtube HF 1500mm HO 20W8xx T8	MAS LEDtube HF 1500mm UO 24W8xx T8
				Model number / (Short) EOC code: 9290035537 / 871951446694400 9290035538 / 871951446690600 9290035539 / 871951446692000	Model number / (Short) EOC code: 9290035543 / 871951446706400 9290035544 / 871951446702600 9290035545 / 871951446704000
				AC (50 Hz) on HF Ballast Compatible	AC (50 Hz) on HF Ballast Compatible
PHILIPS	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	* / CF	* / CF
	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	* / CF	* / CF
	HF-P 154/155 TL5 HO/PL-L III IDC	9137 130 282	1	CF	CF
	HF-P 158 TLD 230-240	9137001111	1	CF	CF
	HF-P 158 TLD EII 220-240	9137 001 912	1	*	*
	HF-P 158 TL-D III IDC	9137 130 318	1	CF	CF
	HF-P 258 TLD EII 220-240	9137 001 916	2	* / CF	* / CF
	HF-P 258 TL-D III IDC	9137 130 319	2		
	HF-P Xt 158 TLD EII 220-240	9137 006 179	1	* / CF	* / CF
	HF-P Xt 258 TL-D EII 220-240	9137 006 180	2	* / CF	* / CF
	HF-P 158 TLD 220-240	9137 001 185	1		
	HF-P 258 TLD 230-240	9137 001 110	2	*	*
	HF-R 258 TLD 220-240	9137 001 119	2	*	
	HF-R 158 TLD EII	9137 006 094	1	Dim / CF	Dim / CF
	HF-R 258 TLD EII	9137 006 095	2		
	HF-RiTD 1 28/35/49/54TL5	9137006956	1		
	HF-RiTD 2 28/35/49/54TL5	9137006958	2		
	HF-S 158 (Designed for Philips Luminaires)		1	*	*
	HF-S 158 TL-D II	9137 130 322	1	CF	CF
	HF-S 258 TL-D II	9137 130 325	2	CF	CF
	HF-S 258 TL-D II HT	9137 006 899	2	CF	CF
	HF-S 158 TLD 220-240	9137 006 319	1	CF	CF
	EB-P 258 TLD ICC 220-240	9137 130 210	2	* / CF	* / CF
	HF-P 258 TLD 220-240	9137001206	2		
HF-S 258 TLD 220-240	9137006452	2	CF	CF	
OSRAM	QT Deluxe HF 1x58 230-240 DIM		1		
	QT Deluxe HF 2x58 230-240 Dim		2		
	QT-FIT8 1x58-70		1	CF	CF
	QT-FIT8 2x58-70		2		
	QTP8 1x58		1		* / CF
	QTP8 2x58		2	*	*
	QTP 2x58/230-240		2	* / CF	* / CF
	QTP 1x58/230-240		1		
	QTP-OPTIMAL 1x54-58		1	CF	CF
	QTP-OPTIMAL 2x54-58		2	CF	CF
	QT 1x58 DIM		1		
	QT-FIT 5/8 1x54-58		1	CF	CF
QT-FIT 5/8 2x54-58		2	CF	CF	
QT-FIT8 2x58		2	CF	CF	
HELVAR	EL1x58ngn		1		
	EL1x58s		1	CF	CF
	EL2x58es		2	*	*
	EL2x58HF		2	CF	CF
	EL2x58ngn		2		*
EL2x58s		2	CF	CF	
TRIDONIC ATCO	PC 1/58 T8 INDUSTRY	86 458 037	1	* / CF	* / CF
	PC 1/58 T8 PRO	22 176 094	1	* / CF	* / CF
	PC 1/58 T8 PRO	22 176 007	1	* / CF	* / CF
	PC 1x58 T8 PRO Ip	22 185 215	1	CF	CF
	PC 2/58 T8 INDUSTRY	86 458 038	2	* / CF	* / CF
	PC 2x58 E011		2		
	PC 2x58 E011 IDC	22 083 174	2		
	PC 2x58 T8 PRO sl	22 185 218	2	* / CF	* / CF
	PC 1x58 T8 TOP sl	22185224	1	CF	
	PC 2x58 T8 TOP sl	22185227	2	* / CF	* / CF
	PCA 1/58 excel one4all	22 085 286	1		
	PCA 2x58 EXCEL One4all Ip	28 000 040	2		

# MASTER LEDtube HF T8 - 1500 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
CF	Ballast is compatible and supports camera friendly performance on commonly used consumer cameras
	Ballast is not compatible
	Ballast LEDtube combination not tested

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



			MAS LEDtube HF 1500mm HO 20W8xx T8	MAS LEDtube HF 1500mm UO 24W8xx T8
			Model number / (Short) EOC code: 9290035537 / 871951446694400 9290035538 / 871951446690600 9290035539 / 871951446692000	Model number / (Short) EOC code: 9290035543 / 871951446706400 9290035544 / 871951446702600 9290035545 / 871951446704000
			AC (50 Hz) on HF Ballast Compatible	AC (50 Hz) on HF Ballast Compatible
VOSSLOH-SCHWABE	Ballast type	10nc / Ref. no.	Lamps on ballast	
	ELXc 158.201	188315	1	CF
	ELXc 158.209	188706	1	CF
	ELXc 158.218	188870	1	CF
	ELXc 258.203	188317	2	CF
	ELXc 258.210	188707	2	* / CF
	ELXc 258.219	188871	2	* / CF
	ELXe 258.222	188130	2	CF
	ELXe 258.222	188130	1	CF
ELXe 158.524	188024	1	CF	
BAG-HUECO	BCD58.1F-01/220-240/1-10V	1009 7145	1	
	BCS58.1FX-11/220-240	1007 7592	1	CF
	BCS58.2FX-11/220-240	1007 7593	2	
	BCS58.2SX-01/220-240	1005 1003	2	
	BCS58.1SR-01/220-240	1005 1002	1	* / CF
	D 58.1-23021 E	166 072	1	
	D 58.2-23021 E	166 082	2	
SCS58.2SR-11/220-240	166 272	2		
Trilux	D58.1-23021E		1	
	DD58.1-23031E		1	
May + Christie	MCU 158		1	
	MCU 258		2	
Others	Direct mains			
	Electro Magnetic Ballast			

### General notes Philips Master LEDtube HF 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 LEDtube InstantFit range is designed to work on HF ballasts only. For EM ballasts or direct mains connection, please contact a Signify sales representative for more information on our EM/Mains compatible range. This document is for information purposes only and must be treated as recommendation. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Ballast types indicated in this list with DIM are conditional released by Signify 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.



# MASTER Value LEDtube Universal T8 - 1200 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



	Ballast type	10nc / Ref. no.	Lamps on ballast
PHILIPS	HF-B 136 TLD 220-240	9137001122	1
	HF-B 136 TLD EII 220-240	9137001926	1
	HF-B 236 TL-D 220-240	9137001124	2
	HF-B 236 TLD EII 220-240	9137001928	2
	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 IDC	9137130315	1
	HF-P 236 TL-D III IDC	9137130316	2
	HF-P 336 TL-D III IDC	9137130317	3
	HF-P Xt 136 TLD EII 220-240	9137006177	1
	HF-P XT 236 TLD EII 220-240	9137006178	2
	HF-P 136 TLD EII 220-240	9137001911	1
	HF-P 236 TLD 230-240	9137001112	2
	HF-Pi 1 14/21/24/39 TL5 EII 220-240	9137006240	1
	HF-R 136 TL-D EII	9137006092	1
	HF-R 236 TL-D EII	9137006093	2
	HF-R 136 TL-D 220-240V 50/60Hz	9137001117	1
	HF-Ri TD 1 14/21/24/39TL5 E+	9137006983	1
	HF-Ri TD 2 14/21/24/39TL5 E+	9137006984	2
	HF-S 136 TL-D II	9137130321	1
	HF-S 236 TL-D II	9137130324	2
	HF-S 336 TL-D II	9137130327	3
	HF-P 118/136 TL-D III	9137130315	1
	HF-S 118/136 TL-D II	9137130321	1
	HF-P 218/236 TL-D III	9137130316	2
	HF-S 218/236 TL-D II	9137130324	2
	HF-P 136 TLD 220-240	9137001727	1
	HF-P 138 TLD 220-240	9137001220	1
	HF-P 236 TLD 220-240	9137001187	2
	EB-C 136 TL-D 220-240	9137131992	1
EL-B 236 TLD 220-240	444100085821	2	
EB-Ci 1-2 36w/1-4 18W	9137130431	2	
EB-Ci 1-2 36w/1-4 18W	9137130431	1	
OSRAM	QT-FIT8 1x36		1
	QT-FIT8 2x36		2
	QTP8 1x36		1
	QTP8 2x36		2
	QTP-OPTIMAL 1x18-40		1
	QTP-OPTIMAL 2x18-40		2
	QT-FIT 5/8 2x18-39		2
	QTP-DL 1x36-40		1
	QT-FIT 5/8 1x18-39		1
	QTP-DL 2x36-40		2
HELVAR	EL1x36/40/18S		1
	EL1x36HF		1
	EL1x36ngn		1
	EL2x36/40s		2
	EL2x36ngn		2
	EL 1X36sc		
EL 2X36sc			

MAS LEDtube VLE UN 1200mm UO 15.5W8xx T8
Model number / (Short) EOC code: 9290029970A / 871951431668300 9290029971A / 871951431670600 9290029972A / 871951431672000
AC (50Hz) on HF Ballast Compatible
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# MASTER Value LEDtube Universal T8 - 1200 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
	* Ballast is compatible, light output may differ >10% compared to specifications
	** Ballast is compatible, light output may differ >20% compared to specifications
	Dim Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



	Ballast type	10nc / Ref. no.	Lamps on ballast
TRIDONIC ATCO	PC 1/36 T8 INDUSTRY	86458035	1
	PC 1/36 T8 PRO	22176217	1
	PC 1x36 T8 PRO Ip	22185214	1
	PC2/36 T8 INDUSTRY	86458036	2
	PC2x36 T8 PRO sl	22185217	2
	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
	PC 1/36 TCL PRO	87500507	1
	PC 2/36 TCL PRO	87500518	2
	VOSSLOH-SCHWABE	ELXc 136.207	188708
ELXc 236.202		188316	2
ELXc 236.208		188705	2
ELXe 238.527		188137	2
ELXe 238.527		188137	1
ELXd 136.852		188084	1
BAG-HUECO	BCS36.1FX-11/220-240	10077590	1
	BCS36.2FX-11/220-240	10077591	2
	D36.2-23021 E	166132	2
	D 58.1-23021 E	166072	1
	ECS36.2SR-01/220-240	167032	2
Trilux	D36.2-23021 E	98147	2
	D58.1-23021E		1
	DD58.1-23031E		1
SIEMENS	5LZ 3211-1N		1
	BTL8 136		1
Others	EM ballast		1
	Direct Mains		1

MAS LEDtube VLE UN 1200mm UO 15.5W8xx T8
Model number / (Short) EOC code: 9290029970A/ 871951431668300 9290029971A/ 871951431670600 9290029972A/ 871951431672000
<b>AC (50Hz) on HF Ballast Compatible</b>
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### General notes Philips MASTER Value LEDtube Universal

**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 LEDtube InstantFit range is designed to work on HF ballasts only. For EM ballasts or direct mains connection, please contact a Signify sales representative for more information on our EM/Mains compatible range. This document is for information purposes only and must be treated as recommendation. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Ballast types indicated in this list with DIM are conditional released by Signify 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.

# MASTER Value LEDtube Universal T8 - 1500 mm



## Ballast Compatibility

### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



			MAS LEDtube VLE UN 1500mm UO 23W8xx T8	
			Model number / (Short) EOC code: 9290029973A / 871951431674400 9290029974A / 871951431676800 9290029975A / 871951431678200	
			AC (50Hz) on HF Ballast Compatible	
Ballast type	10nc / Ref. no.	Lamps on ballast		
PHILIPS	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 230-240	9137 001 110	2	
	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-RITD 1 28/35/49/54TL5 E+	9137006956	1	
	HF-P 158 TLD 230-240	9137001111	1	
	HF-RITD 2 28/35/49/54TL5 E+	9137006958	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	9137 130 210	2	
	HF-P 258 TLD 220-240	9137001206	2	
	EI 158 TL-D 220-240	9137006075	1	
	HF-R TD 258 TLD EII 220-240	9137006070	2	
	HF-S 258 TLD 220-240	9137006452	2	
OSRAM	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	
	QT-FIT8 2x58		2	
QTP 1x58/230-240		1		
QTP 2x58/230-240		2	*	
HELVAR	EL1x58ngn		1	
	EL1x58s		1	
	EL2x58es		2	*
	EL2x58HF		2	
	EL2x58ngn		2	
	EL2x58s		2	

# MASTER Value LEDtube Universal T8 - 1500 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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



			MAS LEDtube VLE UN 1500mm UO 23W8xx T8	
			Model number / (Short) EOC code: 9290029973A / 871951431674400 9290029974A / 871951431676800 9290029975A / 871951431678200	
			AC (50Hz) on HF Ballast Compatible	
Ballast type	10nc / Ref. no.	Lamps on ballast		
TRIDONIC ATCO	PC 1/58 T8 INDUSTRY	86 458 037	1	**
	PC 1x58 T8 PRO Ip	22 185 215	1	**
	PC 1/58 T8 PRO	22176094	1	**
	PC 2/58 T8 INDUSTRY	86 458 038	2	*
	PC 2x58 E011 IDC	22 083 174	2	
	PC 2x58 T8 PRO sl	22 185 218	2	*
	PC 1x58 T8 TOP sl	22185224	1	
	PC 2x58 T8 TOP sl	22185227	2	
	PCA 1/58 excel one4all	22 085 286	1	
	PCA 2x58 EXCEL One4all Ip	28 000 040	2	
	PC 1x58 T8 TEC	87500150	1	
	PC 1/58 T8 PRO	22176007	1	
	PCA 1x58 T8 EXCEL One4all Ip	28000036	1	
	PCA 1x58 T8 BASIC Ip	28000043	1	
	PCA 1x58 T8 Eco Ip	28000037	1	
	PC 2x58 T8 TEC	87500151	2	
	PCA 2x58 T8 ECO Ip	28000041	2	
VOSSLOH-SCHWABE	ELXc 158.201	188315	1	
	ELXc 158.209	188706	1	
	ELXc 258.203	188317	2	
	ELXc 258.210	188707	2	
	ELXc 258.219	188871	2	*
	ELXe 258.222	188130	2	
	ELXe 258.222	188130	1	
	ELXe 158.524	188024	1	
BAG-HUECO	BCD58.1F-01/220-240/1-10V	1009 7145	1	**/Dim
	BCS58.1FX-11/220-240	1007 7592	1	
	BCS58.2FX-11/220-240	1007 7593	2	
	BCS58.2SX-01/220-240	1005 1003	2	
	D 58.1-23021 E	166 072	1	
	D 58.2-23021 E	166 082	2	
	SCS58.2SR-11/220-240	166 272	2	
	BCS58.1SR-01/220-240	10051002	1	*
	SCS58.1S-01/230-240	166352	1	
	ECS58.2SR-01/220-240	167172	2	
Trilux	D58.1-23021E	98432	1	
	DD58.1-23031E	98625	1	
	D58.2-23021E			
Maya Christie	MCU 158		1	
	MCU 258		2	
LUDWIG	ELXe 158.250	172762	1	
Others	Direct mains			
	Electro Magnetic Ballast			

### General notes Philips MASTER Value LEDtube Universal

**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 LEDtube InstantFit range is designed to work on HF ballasts only. For EM ballasts or direct mains connection, please contact a Signify sales representative for more information on our EM/Mains compatible range. This document is for information purposes only and must be treated as recommendation. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Ballast types indicated in this list with DIM are conditional released by Signify 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.

# CorePro LEDtube Universal T8 - 600 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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CorePro LEDtube UN 600mm HO  
8W8xx T8

Model number / (Short) EOC code:  
9290024198B / 871869978277100  
9290024199B / 871869978279500  
9290024200B / 871869978281800

AC (50Hz) on HF Ballast Compatible

	Ballast type	10nc / Ref. no.	Lamps on ballast	
PHILIPS	HF-P 118 TLD III IDC	9137130312	1	
	HF-P 218 TLD III IDC	9137130313	2	*
	HF-S 118 TLD II	9137130320	1	
	HF-S 218 TL-D II 220-240V 50/60Hz	9137130323	2	
	HF-S 3/4x18 TLD II	9137130326	3	*
	HF-S 3/4x18 TLD II	9137130326	4	
	HF-Matchbox 1x18 Blue	9137004180 / 9137004179	1	
	HF-Matchbox 1x18 RED	9137004234	1	*
	HF-P 3/4x18 TLD III IDC	9137130314	3	
	HF-P 3/4x18 TLD III IDC	9137130314	4	
	HF-S 118/136 TL-D II	9137130321	1	
	HF-Ri TD 1 14/21/24/39 TL5 E+	9137006983	1	
	EB-C 118 TLD 220	9137131990	1	
	EB-E 118 TLD 220	9137100604	1	
	HF-R 118 TLD EII	9137006203	1	
	HF-P 118 TLD EII 220-240	9137001910	1	
	HF-Pi 1 14/21/24/39 TL5 EII 220-240	9137006240	1	
	EB-Ci 1-2 36w/1-4 18W	9137130431	1	
	HF-P 218/236 TL-D III	9137130316	2	*
	HF-S 218/236 TL-D II	9137130324	2	
	HF-Ri TD 2 14/21/24/39 TL5 E+	9137006984	2	
	EB-C 218 TLD 220	9137131991	2	
	EB-Ci 1-2 36w/1-4 18W	9137130431	2	
	HF-R 318 TL-D EII	9137006295	3	
EB-C 318 TLD 220	9137131975	3		
HF-R 418 TL-D EII	9137006146	4		
EB-C 418 TLD 220	9137131973	4		
EB-Ci 1-2 36w/1-4 18W	9137130431	3		
EB-Ci 1-2 36w/1-4 18W	9137130431	4	*	
HF-P 3/4 18 TLD EII 220-240	9137001919	3		
HF-P 3/4 18 TLD EII 220-240	9137001919	4		
OSRAM	QTP8 1x18		1	*
	QTP8 2x18		2	**
	QT-FIT8 1x18		1	**
	QT-FIT8 2x18		2	
	QT Fit 5/8 1x18-39		1	
	QTP-OPTIMAL 118-40		1	
	QT Fit 5/8 2x18-39		2	*
	QT-FIT8 3/4X18		3	*
QT-FIT8 3/4X18		4	*	
HELVAR	EL1x18ngn		1	
	EL2x18ngn		2	
	EL 3/4x18ngn		3	*
	EL 3/4x18ngn		4	*
	EL1x18s		1	
	EL 4x18ngn		4	
EL2x18s		2		
TRIDOMIC ATCO	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	
	PC 3/4X18 TOP Ip	22185219 / 22185228	4	*
	PC 1/14-35/24/39 T5 PRO-M Ip	22176182	1	
	PC 2/14-35/24/39 T5 PRO-M Ip	22176185	2	
PC 1x18 T8 TEC	87500113	1		



# CorePro LEDtube Universal T8 - 600 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% compared to specifications
Dim	Ballast is compatible and conditional released for dimming
	Ballast is not compatible

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	Ballast type	10nc / Ref. no.	Lamps on ballast
VOSSLOH-SCHWABE	ELXc 136.200	188314	1
	ELXc 236.208		2
	ELXc 424.379	188116	3
	ELXc 424.379	188116	4
	ELXc 418.204	188318	3
	ELXc 418.204	188318	4
	ELXc 136.207		1
	ELXc 118.520	188020	1
BAG-HUECO	BCS18.1FX-11/220-240	10077588	1
	BCS18.2FX-11/220-240	10077589	2
	BCS18.3-4LR-01/220-240 3lamp	10050999	3
	BCS18.3-4LR-01/220-240 4lamp	10050999	4
Others	Direct mains		
	Electro Magnetic Ballast		

CorePro LEDtube UN 600mm HO 8W8xx T8
Model number / (Short) EOC code: 9290024198B / 871869978277100 9290024199B / 871869978279500 9290024200B / 871869978281800
AC (50Hz) on HF Ballast Compatible
*
*
*
**

### General notes Philips CorePro LEDtube Universal

**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 LEDtube InstantFit range is designed to work on HF ballasts only. For EM ballasts or direct mains connection, please contact a Signify sales representative for more information on our EM/Mains compatible range. This document is for information purposes only and must be treated as recommendation. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Ballast types indicated in this list with DIM are conditional released by Signify 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.

# CorePro LEDtube Universal T8 - 1200 mm

## Ballast Compatibility



**KEY**

	Ballast is compatible	<i>This document is for information purposes and must be treated as recommendation. Signify attempted to provide best results, results are generated in lab controlled environment and may differ from actual application conditions</i>
	* Ballast is compatible, light output may differ >10% compared to specifications	
	** Ballast is compatible, light output may differ >20% compared to specifications	
	Dim Ballast is compatible and conditional released for dimming	
	Ballast is not compatible	
	Ballast LEDtube combination not tested	



	Ballast type	10nc / Ref. no.	Lamps on ballast	CorePro LEDtube UN 1200mm HO 18W8xx T8	CorePro LEDtube UN 1200mm UO 15.5W8xx T8
				Model number / (Short) EOC code: 9290018692C / 871869680166600 9290018693C / 871869680168000 9290018694C / 871869680170300	Model number / (Short) EOC code: 9290036481 / 872016919996500 9290036482 / 872016919998900 9290036483 / 872016920000500
PHILIPS				AC (50Hz) on HF Ballast Compatible	AC (50Hz) on HF Ballast Compatible
	EB-C 136 TL-D 220-240	9137131992	1		
	EB-S 236 TL-D 220-230	9137130216	2		
	HF-B 136 TLD 220-240	9137001122	1		**
	HF-B 136 TLD EII 220-240	9137001926	1		**
	HF-B 236 TL-D 220-240	9137001124	2		**
	HF-B 236 TLD EII 220-240	9137001928	2		*
	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 IDC	9137130315	1		*
	HF-P 236 TL-D III IDC	9137130316	2		*
	HF-P 336 TL-D III IDC	9137130317	3	*	
	HF-P Xt 136 TLD EII 220-240	9137006177	1		**
	HF-P XT 236 TLD EII 220-240	9137006178	2	*	
	HF-P 136 TLD EII 220-240	9137001911	1		*
	HF-P 236 TLD 230-240	9137001112	2		**
	HF-Pi 1 14/21/24/39 Tl5 EII 220-240	9137006240	1	*	
	HF-R 136 TL-D EII	9137006092	1		
	HF-R 236 TL-D EII	9137006093	2		
	HF-R 136 TL-D 220-240V 50/60Hz	9137001117	1		
	HF-Ri TD 1 14/21/24/39Tl5 E+	9137006983	1		
	HF-S 136 TL-D II	9137130321	1		**
	HF-S 236 TL-D II	9137130324	2		
	HF-S 336 TL-D II	9137130327	3	*	
	HF-P 118/136 TL-D III	9137130315	1		**
	HF-S 118/136 TL-D II	9137130321	1		**
HF-P 136 TLD 220-240	9137001727	1		*	
HF-P 138 TLD 220-240	9137001220	1			
HF-P 218/236 TL-D III	9137130316	2		*	
HF-S 218/236 TL-D II	9137130324	2		*	
EL-B 236 TLD 220-240	444100085821	2			
HF-P 236 TLD 220-240	9137001187	2			
EB-Ci 1-2 36w/1-4 18W	9137130431	2		*	
EB-Ci 1-2 36w/1-4 18W	9137130431	1		*	
OSRAM	QT-FIT8 1x36		1		
	QT-FIT8 2x36		2		*
	QTP8 1x36		1		**
	QTP8 2x36		2		*
	QTP-OPTIMAL 1x18-40		1		*
	QTP-OPTIMAL 2x18-40		2	*	
	QT-FIT 5/8 2x18-39		2	*	
	QTP-DL 1x36-40		1		**
QT-FIT 5/8 1x18-39		1		*	
QTP-DL 2x36-40		2			
HELVAR	EL1x36/40/18S		1		*
	EL1x36HF		1		
	EL1x36ngn		1	*	**
	EL2x36/40s		2	*	
	EL2x36ngn		2		
	EL 1X36sc		1		
EL 2X36sc		2			

# CorePro LEDtube Universal T8 - 1200 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% 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. Signify attempted to provide best results, results are generated in lab controlled environment and may differ from actual application conditions*



			CorePro LEDtube UN 1200mm HO 18W8xx T8	CorePro LEDtube UN 1200mm UO 15.5W8xx T8
			Model number / (Short) EOC code: 9290018692C / 871869680166600 9290018693C / 871869680168000 9290018694C / 871869680170300	Model number / (Short) EOC code: 9290036481 / 872016919996500 9290036482 / 872016919998900 9290036483 / 872016920000500
			AC (50Hz) on HF Ballast Compatible	AC (50Hz) on HF Ballast Compatible
Ballast type	10nc / Ref. no.	Lamps on ballast		
TRIDONIC ATCO	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	*
	PC2x36 T8 PRO sl	22185217	2	
	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	**
	PC 1/36 TCL PRO	87500507	1	**
	PC 2/36 TCL PRO	87500518	2	**
VOSSLOH-SCHWABE	ELXc 136.207	188708	1	*
	ELXc 236.202	188316	2	*
	ELXc 236.208	188705	2	*
	ELXe 238.527	188137	2	
	ELXe 238.527	188137	1	
	ELXd 136.852		1	
BAG-HUECO	BCS36.1FX-11/220-240	10077590	1	*
	BCS36.2FX-11/220-240	10077591	2	*
	D36.2-23021 E	166132	2	
	D 58.1-23021 E	166072	1	*
	ECS36.2SR-01/220-240	167032	2	**
Trilux	D36.2-23021 E		2	
	D58.1-23021E		1	*
	DD58.1-23031E		1	**
TD	BTL8 136		1	
Others	EM ballast		1	
	Direct Mains (only one single side supply)		1	

### General notes Philips CorePro LEDtube Universal

**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 Universal 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. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Philips CorePro LEDtubes Universal HO 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.



# CorePro LEDtube Universal T8 - 1500 mm

## Ballast Compatibility



### KEY

	Ballast is compatible
*	Ballast is compatible, light output may differ >10% compared to specifications
**	Ballast is compatible, light output may differ >20% 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. Signify attempted to provide best results, results are generated in lab controlled environment and may differ from actual application conditions*



	Ballast type	10nc / Ref. no.	Lamps on ballast	CorePro LEDtube UN 1500mm HO 23W8xx T8	CorePro LEDtube UN 1500mm UO 23W8xx T8
TRIDONIC ATCO	PC 1/58 T8 INDUSTRY	86 458 037	1	AC (50Hz) on HF Ballast Compatible **	AC (50Hz) on HF Ballast Compatible *
	PC 1/58 T8 PRO	22 176 094	1		
	PC 1x58 T8 PRO Ip	22 185 215	1		
	PC 2/58 T8 INDUSTRY	86 458 038	2		
	PC 2x58 E011		2		
	PC 2x58 E011 IDC	22 083 174	2		
	PC 2x58 T8 PRO sl	22 185 218	2		
	PC 1x58 T8 TOP sl	22185224	1		
	PC 2x58 T8 TOP sl	22185227	2		
	PCA 1/58 excel one4all	22 085 286	1		
	PCA 2x58 EXCEL One4all Ip	28 000 040	2		
	PCA 1x58 T8 EXCEL One4all Ip	28000036	1		
	PCA 1x58 T8 BASIC Ip	28000043	1		
	PCA 1x58 T8 Eco Ip	28000037	1		
	PCA 2x58 T8 ECO Ip	28000041	2		
	PC 1x58 T8 TEC	87500150	1		
PC 1/58 T8 PRO	22176007	1			
PC 2x58 T8 TEC	87500151	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	188130	2		
	ELXe 258.222	188130	1	*	
	ELXe 158.524	188024	1		
BAG-HUECO	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		
	BCS58.2SX-01/220-240	1005 1003	2		
	BCS58.1SR-01/220-240	10051002	1	*	
	D 58.1-23021 E	166 072	1		
	D 58.2-23021 E	166 082	2		
	SCS58.2SR-11/220-240	166 272	2		
	SCS58.1S-01/230-240	166352	1		
	ECS58.2SR-01/220-240	167172	2		
Trilux	D58.1-23021E	98432	1		
	DD58.1-23031E	98625	1		
	D58.2-23021E		2		
Mey + Christe	MCU 158		1		
	MCU 258		2		
LUDWIG	ELXe 158.250	172762	1		
Others	Direct Mains (only one single side supply)				
	Electro Magnetic Ballast				

### General notes Philips CorePro LEDtube Universal

**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 Universal 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. Signify will not accept claims for any damage caused by not implementing the recommendations in this document. Signify 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 Signify 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](http://www.philips.com/ledtube)

**Dimming a LEDtube:** Philips CorePro LEDtubes Universal HO 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.





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