

# Ballast compatibility list of SubstiTUBE®

Q3.2018

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# Ballast compatibility list of SubstiTUBE®

Q3.2018

## **Important notice:**

The compatibility list is based upon testing conducted by the manufacturer in a lab simulated environment, and the result can vary in certain applications due to number of factors.

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

Applications and conditions of use are varied and beyond LEDVANCE control.

Prior to installation please read User instruction sheet which is included in the product packaging.

LEDVANCE does not accept any responsibility, warranty or liability when using ballasts not mentioned in the table.

Compatibility test result will be updated on a quarterly basis.

Please check the latest compatibility list at:

[www.ledvance.com/substiTUBE](http://www.ledvance.com/substiTUBE)

# SubstiTUBE® T8 Advanced UO Universal UN




## 0.6m Ballast compatibility (600mm)

































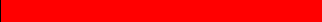

	compatible
*	compatible but may differ >10% of luminous flux of specification
	not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST8A UN 7.5W
				<b>Product EAN10 No.</b> 4058075819757 4058075818774 4058075818798
OSRAM	QTP8 1x18	4008321131584	1	
	QTP8 2x18	4008321131645	2	
	QT Fit 5/8 1x18-39	4008321873927	1	
	QT Fit 5/8 2x18-39	4008321873903	2	
	QT FIT8 1x18	4008321294180	1	
	QT FIT8 2x18	4008321294241	2	
	QT FIT8 3/4x18	4008321294302	3	
	QT FIT8 3/4x18	4008321294302	4	
	QTP8 3/4x18	4008321131706	4	
	QTP-OPTIMAL 1x18-40	4008321873743	1	
QTP-OPTIMAL 2x18-40	4008321873767	2		
Philips	HF-P 118 TLD III IDC	8711500999580	1	
	HF-P 218 TL-D EII 220-240V	8711500934130	2	
	HF-P 218 TLD III IDC	8711500999603	2	
	HF-P 3/4 18 TL-D EII 220-240	8711500931641	3	
	HF-P 3/4 18 TL-D EII 220-240	8711500931641	4	
	HF-P 3/4X18 TLD III IDC	8711500999627	3	
	HF-P 3/4X18 TLD III IDC	8711500999627	4	
	HF-S 118 TLD II	8711500999283	1	
	HF-S 218 TL-D II 220-240V	8711500999306	2	
	HF-S 3/4 18 TL-D II 220-240	8711500999320	3	
HF-S 3/4 18 TL-D II 220-240	8711500999320	4		
Helvar	EL1x18ngn		1	
	EL1x18s		1	
	EL1x18sc		1	*
	EL2x18ngn		2	
	EL2x18s		2	
	EL3/4x18ngn		4	
Tridonic	PC 118 T8 PRO Ip	22185213	1	
	PC 1x18 T8 TOP sl	22185222	1	
	PC 218 T8 PRO Ip	22185216	2	
	PC 3/4x18 T8 PRO Ip	22185219	3	
	PC 3/4x18 T8 PRO Ip	22185219	4	
	PC 3/4X18 TOP Ip	22185228	3	
	PC 3/4X18 TOP Ip	22185228	4	
Vossloh	ELXc 136.200	188314	1	
	ELXc 236.208	188705	2	
	ELXc 236.217	188913	2	
	ELXc 418.204	188744	3	
	ELXc 424 379	188116	4	no test result
b,a,g,	BCS18.1FX-11/220-240	10077588	1	
	BCS18.2FX-11/220-240	10077589	2	
	BCS18.3-4LR-01/220-240	10050999	3	
	BCS18.3-4LR-01/220-240	10050999	4	

# SubstiTUBE® T8 Advanced UO Universal UN




## 1.2m Ballast compatibility (1200mm)


































	compatible
	compatible but may differ >10% of luminous flux of specification
	not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST8A UN 16W
				<b>Product EAN10 No.</b> 4058075819771 4058075818811 4058075818835
OSRAM	QTP8 1x36	4008321131621	1	
	QT Fit 5/8 1x18-39	4008321873927	1	
	QT Fit 5/8 2x18-39	4008321873903	2	
	QT FIT8 1x36	4008321294203	1	
	QT FIT8 2x36	4008321294265	2	
	QTP8 2x36	4008321131645	2	
	QTP-OPTIMAL 1x18-40	4008321873743	1	
	QTP-OPTIMAL 2x18-40	4008321873767	2	
Philips	HF-B 136 TL-D EII 220-240V	8711500931542	1	
	HF-B 236 TL-D EII 220-240V	8711500931580	2	
	HF-P 136 TL-D III 220-240V IDC	8711500999641	1	
	HF-P 236 TL-D III 220-240V IDC	8727900911664	2	
	HF-P 336 TL-D III 220-240V IDC	8711500999689	3	
	HF-S 136 TL-D II 220-240V	8711500999290	1	
	HF-S 236 TL-D II 220-240V	8718291796978	2	
HF-S 336 TL-D II 220-240V	8711500999092	3		
Helvar	EL1x36/40/18s		1	
	EL1x36ngn (Successor of HF)		1	
	EL2x36/40s		2	
	EL2x36ngn (Successor of HF)		2	
Tridonic	PC 1/36 T8 PRO Ip 220-240 V	22185214	1	
	PC 1/36 T8 PRO sc xltec	89800008	1	
	PC 1x36 T8 TOP sl	22185223	1	
	PC 2/36 T8 PRO sl	22185226	2	
	PC 3/36 T8 PRO xltec	22176231	3	
Vossloh	ELXc 136.200	188314	1	
	ELXc 236.202	188316	2	
	ELXc 236.208	188705	2	
	ELXc 236.217	188913	2	
	ELXc 336.214	188595	3	
ELXe 238.527 dual lamp	188137	2		
b,a,g,	BCS36.1FX-11	10077590	1	
	BCS36.2FX-11	10077591	2	
	ECS 36.2 S- 01 / 220 - 240	166572	2	

# SubstiTUBE® T8 Advanced UO Universal UN

## 1.5m Ballast compatibility (1500mm)

	compatible
	compatible but may differ >10% of luminous flux of specification
	not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST8A UN 24W
				<b>Product EAN10 No.</b> 4058075819795 4058075818859 4058075818873
OSRAM	QTP8 1x58	4008321131669	1	
	QT Fit 5/8 1x54-58	4008321873828	1	
	QT Fit 5/8 2x54-58	4008321873842	2	
	QT FIT8 1x58-70	4008321294227	1	
	QT FIT8 2x58-70	4052899151932	2	
	QTP-OPTIMAL 1x54-58	4008321873729	1	
	QTP-OPTIMAL 2x54-58	4008321880253	2	
Philips	HF-B 158 TL-D EII 220-240V	8711500931566	1	
	HF-B 258 TL-D EII 220-240V	8711500931603	2	
	HF-P 158 TL-D EII 220-240V	8711500912046	1	
	HF-P 158 TL-D III 220-240V	8711500999702	1	
	HF-P 258 TL-D III 220-240V	8711500999726	2	
	HF-S 158 TL-D II	8711500999078	1	
	HF-S 258 TL-D II 220-240V	8711500999085	2	
Helvar	EL1x58HF		1	
	EL1x58ngn		1	
	EL1x58s		1	
	EL2x58HF		2	
	EL2x58ngn		2	
	EL2x58s		2	
Tridonic	PC 1x58 T8 TOP sl	22185224	1	
	PC 1x58 T8 PRO lp	22185215	1	
	PC 2/58 T8 PRO 220-240V	22176095	2	
	PC 2x58 T8 PRO sl	22185218	2	
Vossloh	ELXc 158.209	188706	1	
	ELXc 158.218	188870	1	
	ELXc 258.219	188871	2	
b,a,g,	BCS58.1SR-01/220-240	10051002	1	
	BCS58.2FX-11/220-240	10077593	2	
	D58.1-23021 E	166072	1	
	SCS58.2SR-11/220-240	166272	2	
ABB	1x58 CF	9006210591001	1	
	2x58 CF	9006210254708	2	

# SubstiTUBE® T8 Advanced HF

## 0.6m Ballast compatibility (600mm)

	compatible
*	compatible but may differ >10% of luminous flux of specification
	not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST8A HF 7.5W
				<b>Product EAN10 No.</b> 4058075819818 4058075818972 4058075818996
OSRAM	QT-FIT8 1x18	4008321131584	1	
	QT-FIT 5/8 1x18-39	4008321873927	1	
	QT-FIT 5/8 2x18-39	4008321873903	2	
	QT-FIT8 2x18	4008321294241	2	
	QT-FIT8 3x18,4x18	4008321294302	3	
	QT-FIT8 3x18,4x18	4008321294302	4	
	QTP8 2x18	4008321294241	2	
	QTP8 3x18 4x18	4008321131706	4	
	QTP8 3x18 4x18	4008321131706	3	
	QTP-OPTIMAL 1x18-40	4008321873743	1	
QTP-OPTIMAL 2x18-40	4008321873767	2		
Philips	HF-P 118 TL-D III IDC	8711500999580	1	
	HF-P 218 TL-D EII	8711500934130	2	
	HF-P 218 TL-D III IDC	8711500999603	2	
	HF-P 3/4 18 TL-D EII	8711500999627	3	
	HF-P 3/4 18 TL-D EII	8711500931641	4	
	HF-P 3/4 18 TL-D III IDC	8711500999627	3	
	HF-P 3/4 18 TL-D III IDC	8711500999627	4	
	HF-S 118 TL-D II	8711500999283	1	
	HF-S 118/136 TL-D II	8711500999290	1	
	HF-S 218 TL-D II	8711500999306	2	
	HF-S 218/236 TL-D II	8711500999313	2	
	HF-S 3/4 18 TL-D II	8711500999320	3	
HF-S 3/4 18 TL-D II	8711500999320	4		
Tridonic	PC 1x18 T8 PRO Ip	22185213	1	
	PC 1x18 T8 TOP sl	22185222	1	
	PC 2x18 T8 PRO Ip	22185216	2	
	PC 2x18 T8 TOP sl	22185225	2	
	PC 3/4x18 T8 PRO Ip	22185219	3	
	PC 3/4x18 T8 PRO Ip	22185219	4	
	PC 3/4x18 T8 TOP Ip	22185228	3	
	PC 3/4x18 T8 TOP Ip	22185228	4	
Vossloh	ELXC 136.200	188314	1	
	ELXC 236.208	188705	2	
	ELXC 236.217	188913	2	
	ELXC 418.204	188318	4	
	ELXC 424.379	188116	4	
b,a,g,	BCS 18.1FX-11	10077588	1	
	BCS 18.2FX-11	10077589	2	
	BCS 18.3-4LR-01	10050999	3	
	BCS 18.3-4LR-01	10050999	4	

# SubstiTUBE® T8 Advanced HF

## 1.2m Ballast compatibility (1200mm)

- compatible
- \* compatible but may differ >10% of luminous flux of specification
- not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST8A HF 14W
				<b>Product EAN10 No.</b> 4058075819832 4058075819016 4058075819030
OSRAM	QT-FIT8 1x36	8711500999313	1	
	QT-FIT 5/8 2x18-39	4008321873903	2	
	QT-FIT 5/8 1x18-39	4008321873927	1	
	QT-FIT8 2x36	4008321294265	2	
	QT-FIT8 3x36	4008321512055	3	
	QTP8 1x36	4008321131621	1	
	QTP8 2x36	4008321131645	2	
	QTP-OPTIMAL 1x18-40	4008321873743	1	
QTP-OPTIMAL 2x18-40	4008321873767	2		
QTz8 1x36/220-240	4008321863287	1		
Philips	HF-P 136 TL-D III IDC	8711500999641	1	
	HF-B 136 TLD EII 220-240	8711500931542	1	
	HF-B 236 TLD EII 220-240	8711500931580	2	
	HF-P 218/236 TL-D III	8711500999665	2	
	HF-P 236 TLD EII 220-240	8711500912022	2	
	HF-P 236 TL-D III IDC	8711500999665	2	
	HF-P 336 TL-D III IDC	8711500999689	3	
	HF-S 118/136 TL-D II	8711500999290	1	
	HF-S 136 TL-D II	8711500999290	1	
	HF-S 218/236 TL-D II	8711500999313	2	
	HF-S 236 TL-D II	8711500999313	2	
	HF-S 336 TL-D II	8711500999092	3	
HF-R 136 TLD 220-240	9137001117	1		
Helvar	EL1x36/40/18s		1	
	EL1x36ngn		1	*
	EL2x36/40s		2	
	EL2x36HF		2	
	EL2x36ngn		2	
	EL2x36sc		2	
Tridonic	PC 1/36 T8 PRO sc	22083162	1	
	PC 1/30 T8 PRO	22176077	1	
	PC 1x36 T8 PRO lp	22185214	1	
	PC 1x36 T8 TOP sl	22185223	1	
	PC 2x36 T8 PRO sl	22185217	2	
	PC 2x36 T8 TEC	87500259	2	
	PC 2x36 T8 TOP sl	22185226	2	
	PC 3/36 T8 PRO	22176231	3	
Vossloh	ELXc 136.200	188314	1	
	ELXc 236.202	188316	2	
	ELXc 236.208	188705	2	
	ELXc 236.217	188913	2	
	ELXc 336.214	188595	3	
b,a,g,	BCS36.1FX-11/220-240	10077590	1	
	BCS36.2FX-11/220-240	10077591	2	
	D58.1-23021E	166072	1	
	ECS36.2S-01/220-240	166572	2	

# SubstiTUBE® T8 Advanced HF

## 1.5m Ballast compatibility (1500mm)




- compatible
- \* compatible but may differ >10% of luminous flux of specification
- not compatible








































Brand	Model	EAN / Ref.no	Lamps on ballast	ST8A HF 20,5W
				<b>Product EAN10 No.</b> 4058075819856 4058075819054 4058075819078
OSRAM	QT-FIT 5/8 1x54-58	4008321873828	1	
	QT-FIT 5/8 2x54-58	4008321873842	2	
	QT-FIT8 1x58-70	4008321294227	1	
	QT-FIT8 2x58-70	4052899151932	2	
	QTP8 1x58	4008321131669	1	
	QTP8 2x58	4008321131683	2	
	QTP-OPTIMAL 1x54-58	4008321873729	1	
	QTP-OPTIMAL 2x54-58	4008321880253	2	
Philips	HF-P 158 TLD EII 220-240	8711500912046	1	
	HF-B 158 TL-D 220-240V	9137 001 123	1	
	HF-B 158 TLD EII 220-240	8711500931566	1	
	HF-B 258 TLD EII 220-240	8711500931603	2	
	HF-E 158 TL-D	8718291668695	1	
	HF-P 158 TL-D III IDC	8711500999702	1	
	HF-P 258 TL-D EII 220-240V	8711500931603	2	
	HF-P 258 TL-D III IDC	8711500999726	2	
	HF-S 158 TL-D II	8711500999078	1	
HF-S 258 TL-D II	8718291656517	2		
Helvar	EL1x58HF		1	
	EL1x58ngn		1	
	EL1x58s		1	
	EL2x58HF		2	
	EL2x58ngn		2	
	EL2x58s		2	
Tridonic	PC 1x58 T8 TOP sl	22185224	1	
	PC 1x58 T8 PRO lp	22185215	1	
	PC 2/58 T8 PRO	22176095	2	
	PC 2x58 EOII IDC		2	
	PC 2x58 T8 PRO sl	22185218	2	
	PC 2x58 T8 TOP sl	22185227	2	
Vossloh	ELXc 258.219	188871	2	
	ELXc 258.203	188317	2	
b,a,g,	BCS58.1FX-11/220-240	10077592	1	
	BCS58.1SR-01/220-240	10051002	1	
	BCS58.2FX-11/220-240	10077593	2	
	D58.1-23021E	166072	2	
	SCS58.2SR-11/220-240	166272	2	
	SCS58.1S-01/220-240	166562	1	
ABB	1x58 CF	9006210591001	1	
	2x58 CF	9006210254708	2	



# SubstiTUBE® T8 Advanced UO HF (Ultra Output)

## 1.2m Ballast compatibility (1200mm)

	compatible
	compatible but may differ >10% of luminous flux of specification
	not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST8A UO 15,5W HF
				Product EAN10 No. 4058075818897 4058075878910
OSRAM	QTP8 1x36	4008321131621	1	
	QT-FIT 5/8 2x18-39	4008321873903	2	
	QT-FIT8 1x36	4008321294203	1	
	QT-FIT8 2x36	4008321294265	2	
	QT-FIT8 3x36	4008321512055	3	
	QTP8 2x36	4008321131645	2	
	QTP-OPTIMAL 1x18-40	4008321873743	1	
	QTP-OPTIMAL 2x18-40	4008321873767	2	
QTz8 1x36/220-240	4008321863287	1		
Philips	HF-S 136 TL-D II	8711500999290	1	
	HF-B 136 TLD EII 220-240	8711500931542	1	
	HF-B 236 TLD EII 220-240	8711500931580	2	
	HF-B 236 TLD EII 220-240	8711500931580	2	
	HF-P 136 TL-D III IDC	8711500999641	1	
	HF-P 218/236 TL-D III	8711500999665	2	
	HF-P 236 TLD EII 220-240	8711500912022	2	
	HF-P 236 TL-D III 220-240	8711500999665	2	
	HF-P 236 TL-D III IDC	8711500999665	2	
	HF-P 336 TL-D III IDC	8711500999689	3	
	HF-S 118/136 TL-D II	8711500999290	1	
	HF-S 236 TL-D II	8711500999313	2	
HF-S 336 TL-D II	8711500999092	3		
Helvar	EL1x36/40/18s		1	
	EL1x36ngn		1	
	EL2x36/40S		2	
	EL2x36HF		2	
	EL2x36ngn		2	
	EL2x36sc		2	
Tridonic	PC 1/30 T8 PRO	22176077	1	
	PC 1/36 T8 PRO sc	22083162	1	
	PC 1x36 T8 PRO lp	22185214	1	
	PC 1x36 T8 TOP sl	22185223	1	
	PC 2x36 T8 PRO sl	22185217	2	
	PC 2x36 T8 TEC	87500259	2	
	PC 2x36 T8 TOP sl	22185226	2	
	PC 3/36 T8 PRO	22176231	3	
Vossloh	ELXc 136.200	188314	1	
	ELXc 236.202	188316	2	
	EIXc 236.208	188705	2	
	ELXc 236.217	188869	2	
	ELXc 336.214	188595	3	
b,a,g,	BCS36.1FX-11/220-240	10077590	1	
	BCS36.2FX-11/220-240	10077591	2	
	ECS36.2-01/220-240		2	
	T8 36W/TC-L/F		1	

# SubstiTUBE® T8 Advanced UO HF (Ultra Output)

## 1.5m Ballast compatibility (1500mm)

- compatible
- \* compatible but may differ >10% of luminous flux of specification
- not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST8A UO 23W HF
				<b>Product EAN10 No.</b> 4058075818934 4058075818958
OSRAM	QT-FIT 5/8 1x54-58	4008321873828	1	
	QT-FIT 5/8 2x54-58	4008321873842	2	
	QT-FIT8 1x58-70	4008321294227	1	
	QT-FIT8 2x58-70	4052899151932	2	
	QTP8 1x58	4008321131669	1	
	QTP8 2x58	4008321131683	2	
	QTP-OPTIMAL 1x54-58	4008321873729	1	
QTP-OPTIMAL 2x54-58	4008321880253	2		
Philips	HF-B 158 TLD EII 220-240	8711500931566	1	
	HF-B 258 TLD EII 220-240	8711500931603	2	
	HF-E 158 TL-D	8718291668695	1	
	HF-P 158 TLD EII 220-240	8711500931566	1	
	HF-P 158 TL-D III IDC	8711500999702	1	
	HF-P 258 TL-D III IDC	8711500999726	2	
	HF-S 158 TL-D II	8711500999078	1	
HF-S 258 TL-D II	8718291656517	2		
Helvar	EL1x58		1	
	EL1x58ngn		1	
	EL1x58s		1	
	EL2x58HF		2	
	EL2x58ngn		2	
	EL2x58s		2	
Tridonic	PC 1x58 T8 PRO lp	22185215	1	
	PC 1x58 T8 TOP sl	22185224	1	
	PC 2/58 T8 PRO	22176095	2	
	PC 2x58 EOII IDC		2	
	PC 2x58 T8 PRO sl	22185218	2	
	PC 2x58 T8 TOP sl	22185227	2	
	PC 2/14-35/49/54 T5 PRO-M lp	22176186	2	
PC 1/14-35/49/54 T5 PRO-M lp	22176185	1		
Vossloh	ELXc 258.219	188871	2	
b,a,g,	BCS58.1FX-11/220-240	10077592	1	
	BCS58.1SR-01/220-240	10051002	1	
	BCS58.2FX-11/220-240	10077593	2	
	BCS58.2SR-11/220-240	166272	2	
	D58.1-23021E	166072	1	
ABB	1x58 CF	9006210591001	1	
	2x58 CF	9006210254708	2	
	2x58 GF		2	

# SubstiTUBE® T8 Value HF

## 0.6m Ballast compatibility (600mm)

- compatible
- \* compatible but may differ >10% of luminous flux of specification
- not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST8V 8W HF
				<b>Product EAN10 No.</b> 4052899955899 4052899955905 4052899955912
OSRAM	QT Fit 5/8 1x18-39	4008321873927	1	
	QT Fit 5/8 2x18-39	4008321873903	2	
	QT FIT8 1x18	4008321294180	1	
	QT FIT8 2x18	4008321294241	2	
	QT FIT8 3/4x18	4008321294302	3	
	QT FIT8 3/4x18	4008321294302	4	
	QTP8 1x18	4008321131584	1	
	QTP8 2x18	4008321294241	2	
	QTP8 3/4x18	4008321131706	4	
	QTP-OPTIMAL 1x18-40	4008321873743	1	
QTP-OPTIMAL 2x18-40	4008321873767	2		
Philips	HF-P 118 TL-D III 220-240V	8711500999702	1	
	HF-P 218 TL-D EII 220-240V	8711500934130	2	
	HF-P 218 TL-D III 220-240V	8711500999665	2	
	HF-P 3/4 18 TL-D EII 220-240	8711500931641	3	
	HF-P 3/4 18 TL-D EII 220-240	8711500931641	4	
	HF-S 118 TL-D II 220-240V	8711500999283	1	
	HF-S 218 TL-D II 220-240V	8711500999306	2	
	HF-S 3/4 18 TL-D II 220-240	8711500999320	3	
HF-S 3/4 18 TL-D II 220-240	8711500999320	4		
Helvar	EL1x18s		1	
	EL1x18s		1	
	EL2x18s		2	
	EL3/4x18ngn		4	
	EL3/4x18s		4	
Tridonic	PC 1x18 T8 PRO Ip	22185213	1	
	PC 2x18 T8 PRO Ip	22185216	2	
	PC 3/4x18 T8 PRO Ip	22185219	3	
	PC 3/4x18 T8 PRO Ip	22185219	4	
Vossloh	ELXc 136.216	188868	1	
	ELXc 236.217	188913	2	
b,a,g,	BCS18.1FX-11	10077588	1	
	BCS18.2FX-11	10077589	2	

# SubstiTUBE® T8 Value HF

## 1.2m Ballast compatibility (1200mm)

- compatible
- \* compatible but may differ >10% of luminous flux of specification
- not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST8V 17W HF
				<b>Product EAN10 No.</b> 4052899955950 4052899955967 4052899955974
OSRAM	QT Fit 5/8 1x18-39	4008321873927	1	
	QT Fit 5/8 2x18-39	4008321873903	2	
	QT FIT8 1x36	4008321294203	1	
	QT FIT8 2x36	4008321294265	2	
	QTP8 1x36	4008321131621	1	
	QTP8 2x36	4008321131645	2	
	QTP-OPTIMAL 1x18-40	4008321873743	1	
	QTP-OPTIMAL 2x18-40	4008321873767	2	
Philips	HF-B 136 TL-D EII 220-240V	8711500931542	1	
	HF-B 236 TL-D 220-240V	91370 01124	2	
	HF-B 236 TL-D EII 220-240V	8711500931580	2	
	HF-P 136 TL-D III 220-240V	8711500999641	1	
	HF-P 236 TL-D EII 220-240V	8711500912022	2	
	HF-P 236 TL-D III 220-240V	8727900911664	2	
	HF-P 336 TL-D III 220-240V	8711500999689	3	
	HF-S 236 TL-D II 220-240V	8718291796978	2	
HF-S 336 TL-D II 220-240V	8711500999092	3		
Helvar	EL1x36/40/18s		1	
	EL1x36ngn		1	
	EL2x36/40s		2	
	EL2x36HF		2	
Tridonic	PC 1/30 T8 PRO	22176077	1	
	PC 1/36 T8 PRO sc	22083162	1	
	PC 1x36 T8 PRO lp	22185214	1	
	PC 1x36 T8 TOP sl	22185223	1	
	PC 2x36 T8 PRO sl	22185217	2	
	PC 2x36 T8 TOP sl	22185226	2	
Vossloh	ELXc 136.200	188314	1	
	ELXc 136.207	188708	1	
	ELXc 136.216	188912	1	
	ELXc 236.208	188705	2	
	ELXc 236.217	188913	2	
	ELXc 336.214	188595	3	
b,a,g,	BCS36.1FX-11	10077590	1	
	BCS36.2FX-11	10077591	2	
Trilux	D58.1-23021 E 136W	4046189001816	1	

# SubstiTUBE® T8 Value HF




## 1.5m Ballast compatibility (1500mm)

























- compatible
- \* compatible but may differ >10% of luminous flux of specification
- not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST8V 20W HF
				<b>Product EAN10 No.</b> 4052899956018 4052899956025 4052899956032
OSRAM	QT Fit 5/8 1x54-58	4008321873828	1	
	QT Fit 5/8 2x54-58	4008321873842	2	
	QT FIT8 1x58-70	4008321294227	1	
	QT FIT8 2x58-70	4052899151932	2	
	QTP8 1x58	4008321131669	1	
	QTP8 2x58	4008321131683	2	
	QTP-OPTIMAL 1x54-58	4008321873729	1	
	QTP-OPTIMAL 2x54-58	4008321880253	2	
Philips	HF-B 158 TL-D EII 220-240V	8711500912046	1	
	HF-B 258 TL-D EII 220-240V	8711500931603	2	
	HF-P 158 TL-D EII 220-240V	8711500912046	1	
	HF-P 158 TL-D III 220-240V	8711500999702	1	
	HF-P 258 TL-D III 220-240V	8711500999726	2	
	HF-S 258 TL-D II 220-240V	8718291656517	2	
Helvar	EL1x58HF		1	
	EL1x58s		1	
	EL2x58HF		2	
	EL2x58s		2	
	EL2x58S		2	
Tridonic	PC 1x58 T8 PRO lp	22185215	1	
Vossloh	ELXc 158.209	188706	1	
	ELXc 158.218	188870	1	
	ELXc 258.219	188871	2	
b,a,g,	BCS58.1FX-11	4046189026413	1	
	BCS58.2FX-11	4046189026420	2	
ABB	2x58 CF	90062254708	2	

## SubstiTUBE® T5 HO 80 HF (High Output)




### 1.5m Ballast compatibility (1449mm)





















	compatible
	compatible but may differ >10% of luminous flux of specification
	not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST5 HO80 37W
				Product EAN10 No. 4058075819894 4058075819139 4058075819153
OSRAM	QT-FQ 2x80	4050300825564	2	
	QT-FQ 1x80	4050300480138	1	
	QTi 1x35/49/80 GII	4008321383372	1	
	QTi 2x35/49/80 GII	4008321658951	2	
	QTi DALI 1x35/49/80 DIM	4050300870342	1	
	QTi DALI 2x35/49/80 DIM	4050300870441	2	
	QTP5 1x80	4008321329059	1	
Philips	HF-P 1 80 TL5/PL-L III IDC	8727900952285	1	
	HF-P 2 80 TL5/PL-L II	8711500060167	2	
	HF-P 2 80 TL5/PL-L III IDC	8727900952308	2	
	HF-P xt 180 TL5 EII 220-240	8711500914408	1	
	HF-Pi 1 28/35/49/80 TL5 EII	8711500881182	1	
	HF-Pi 2 28/35/49/80 TL5 EII	8711500881199	2	
	HF-S 1 80 TL5/PL-L II	8718291758464	1	
Helvar	EL 1x80 ngn5	911010075	1	
Tridonic	PC 1/14-35/49/80 T5 PRO-MIp	22176184	1	
	PC 1x80 T5 PRO Ip	22185209	1	
	PC 2x80 T5 PRO Ip	22185210	2	
Vossloh	ELXc 180.634	188947	1	
	ELXc 280.637	188950	2	
b,a,g,	BCS80.2FX-11/220-240	10095407	2	
	MLS80.1/54.2FR-11/220-240	10071609	1	
	MLS80.1FR-11/220-240	10071608	1	
	MLS80.1-S-01/220-240	166122	1	

## SubstiTUBE® T5 HO 54 HF (High Output)

### 1.2m Ballast compatibility (1149mm)

	compatible
	compatible but may differ >10% of luminous flux of specification
	not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST5 HO54 27W
				Product EAN10 No. 4058075819870 4058075819092 4058075819115
OSRAM	QT-FIT 5/8 1x54-58	4008321873828	1	
	QT-FIT 5/8 2x54-58	4008321873842	2	
	QT-FQ 1x54/230-240	4050300644776	1	
	QTi 1x28/54/35/49 GII	4008321383358	1	
	QTi 2x28/54/35/49 GII	4008321383419	2	
	QTi DALI 1x28/54 DIM	4050300870809	1	* dim not guaranteed
	QTi DALI 2x28/54 DIM	4050300870502	2	* dim not guaranteed
	QTP-OPTIMAL 1X54-58	4008321873729	1	
QTP-OPTIMAL 2X 54-58	4008321880253	2	*	
Philips	HF-P 154/155 TL5 HO/PL-L III IDC	8711500998217	1	
	HF-P 254/255 TL5 HO/PL-L III IDC	8711500998224	2	
	HF-Pi 1 28/35/49/54 TL5 EII	8711500914965	1	
	HF-Pi 2 28/35/49/54 TL5 EII	8711500915023	2	
	HF-S 154 TL5 II	8711500999375	1	
	HF-S 254 TL5 II	8711500999382	2	
Tridonic	PC 1x54 T5 PRO Ip	22185155	1	
	PC 2x54 T5 PRO Ip	22185156	2	
	PC 1x54 T5 TOP Ip	22185165	1	
	PC 2x54 T5 TOP Ip	22185166	2	
b,a,g,	BCS54.1FR-01/220-240	10075881	1	
	MLS80.1FR-11/220-240	10071608	1	
	MLS80.1/54.2FR-11/220-240	10071609	1	
	MLS80.1/54.2FR-11/220-240	10071609	2	

### Important notice:

Dimming an LED tube:

Ballast with Dim are conditionally released by LEDVANCE.

LED tube dimming curve is different from the curve of a traditional fluorescent.

The performance of dimming is not guaranteed in a dimming application.

## SubstiTUBE® T5 HO 49 HF (High Output)

### 1.5m Ballast compatibility (1449mm)

	compatible
	* compatible but may differ >10% of luminous flux of specification
	not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST5 HO49 26W
				<b>Product EAN10 No.</b> 4058075819917 4058075819177 4058075819191
OSRAM	QT-FIT5 1x49	4008321832139	1	
	QT-FIT5 2x49	4008321832153	2	
	QTi 1x28/54/35/49 GII	4008321383358	1	
	QTi 1x35/49/80 GII	4008321383372	1	
	QTi 1x35/49/80	450300796833	1	
	QTi 2x28/54/35/49 GII	4008321383419	2	*
	QTi 2x35/49/80 GII	4008321658951	2	*
	QTi DALI 1x35/49/80 DIM	4050300870342	1	* dim not guaranteed
	QTi DALI 2x35/49 DIM	4050300870465	2	* dim not guaranteed
	QTi DALI 2x35/49/80 DIM	4050300870441	2	* dim not guaranteed
	QTP5 1x49	4008321329370	1	
QTP5 2x49	4008321329431	2		
QT-FQ 1x80	4050300480138	1		
Philips	HF-P 149 TL5 HO III IDC	8711500881977	1	
	HF-P 249 TL5 HO III IDC	8711500881984	2	
	HF-P 249 TL5 HO II	9137006135	2	
	HF-P xt 249 TL5 EII 220-240	8711500914279	2	
	HF-Pi 1 28/35/49/54 TL5 EII	8711500914965	1	
	HF-Pi 1 28/35/49/80 TL5 EII	8711500881182	1	
	HF-Pi 2 28/35/49/54 TL5 EII	8711500915023	2	
	HF-Pi 2 28/35/49/80 TL5 EII	8711500881199	2	
	HF-S 149 TL5 II	8711500999351	1	
HF-S 249 TL5 II	8711500999368	2		
Tridonic	PC 1/14-35/49/54 T5 PRO-MIp	22176183	1	
	PC 1/14-35/49/80 T5 PRO-MIp	22176184	1	
	PC 1x49 T5 PRO Ip	22185153	1	
	PC 1x49 T5 TOP Ip	22185163	1	
	PC 2/14-35/49/54 T5 PRO-MIp	22176186	2	*
	PC 2x49 T5 PRO Ip	22185154	2	
	PC 2x49 T5 TOP Ip	22185164	2	
b,a,g,	BCS49.1FX-11/220-240	10077583	1	
	BCS49.2FX-11/220-240	10077584	2	*
	MLS80.1/54.2FR-11/220-240	10071609	1	
	MLS80.1FR-11/220-240	10071608	1	
	MLS80.1-S/220-240	166122	1	

#### Important notice:

Dimming an LED tube:

Ballast with Dim are conditionally released by LEDVANCE.

LED tube dimming curve is different from the curve of a traditional fluorescent.

The performance of dimming is not guaranteed in a dimming application.



## SubstiTUBE® T5 HE 35 HF (High Efficiency)

### 1.5m Ballast compatibility (1449mm)

	compatible
	* compatible but may differ >10% of luminous flux of specification
	not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST5 HE35 18.5W
				<b>Product EAN10 No.</b> 4058075819955 4058075819252 4058075819276
OSRAM	QT-FIT5 1x14-35	4008321971234	1	
	QT-FIT5 2x14-35	4008321971258	2	
	QTi 1x28/54/35/49 GII	4008321383358	1	
	QTi 1x35/49/80 GII	4008321383372	1	
	QTi 2x28/54/35/49 GII	4008321383419	2	
	QTi 2x35/49/80 GII	4008321658951	2	
	QTi DALI 1x35/49/80 DIM	4050300870342	1	* dim not guaranteed
	QTi DALI 2x35/49 DIM	4050300870465	2	* dim not guaranteed
	QTi DALI 2x35/49/80 DIM	4050300870441	2	* dim not guaranteed
	QTP5 1x14-35	4008321329035	1	
QTP5 2x14-35	4008321329073	2		
Philips	HF-P 1 14-35 TL5 HE III IDC	8711500999245	1	
	HF-P 2 14-35 TL5 HE III IDC	8711500999238	2	
	HF-Pi 1 28/35/49/54 TL5 EII	8711500914965	1	
	HF-Pi 1 28/35/49/80 TL5 EII	8711500881182	1	*
	HF-Pi 2 28/35/49/54 TL5 EII	8711500915023	2	
	HF-Pi 2 28/35/49/80 TL5 EII	8711500881199	2	*
	HF-S 1 28-35 TL5 II	8711500999344	1	
Tridonic	PC 1/14-35/49/54 T5 PRO-MIp	22176183	1	
	PC 1/14-35/49/80 T5 PRO-MIp	22176184	1	
	PC 1x14-35 T5 PRO Ip	22185147	1	
	PC 1x14-35 T5 TOP Ip	22185157	1	
	PC 2/14-35/49/54 T5 PRO-MIp	22176186	2	
	PC 2x14-35 T5 PRO Ip	22185148	2	
	PC 2x35 T5 TOP Ip	28000047	2	
Vossloh	ELXc 180.634	188947	1	
	ELXc 280.637	188950	2	
b,a,g,	BCS35.1FX-11/220-240	10077579	1	
	BCS35.2FX-11/220-240	10077580	2	

### Important notice:

Dimming an LED tube:




Ballast with Dim are conditionally released by LEDVANCE.




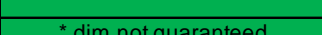





















LED tube dimming curve is different from the curve of a traditional fluorescent.

The performance of dimming is not guaranteed in a dimming application.

## SubstiTUBE® T5 HE 28 HF (High Efficiency)

### 1.2m Ballast compatibility (1149mm)

	compatible
	compatible but may differ >10% of luminous flux of specification
	not compatible

Brand	Model	EAN / Ref.no	Lamps on ballast	ST5 HE28 16W
				Product EAN10 No. 4058075819931 4058075819214 4058075819238
OSRAM	QT-FIT5 1x14-35	4008321971234	1	
	QT-FIT5 2x14-35	4008321971258	2	
	QTi 1x28/54/35/49 GII	4008321383358	1	
	QTi 2x28/54/35/49 GII	4008321383419	2	
	QTi DALI 1x28/54 DIM	4050300870809	1	* dim not guaranteed
	QTi DALI 2x28/54 DIM	4050300870502	2	* dim not guaranteed
	QTP5 1x14-35	4008321329035	1	
	QTP5 2x14-35	4008321329073	2	
	QTz5 1x28/220-240	4052899019263	1	
QTz5 2x28/220-240	4052899019423	2		
Philips	HF-P 1 14-35 TL5 HE III IDC	8711500999245	1	
	HF-P 2 14-35 TL5 HE III IDC	8711500999238	2	
	HF-Pi 1 28/35/49/54 TL5 EII	8711500914965	1	
	HF-Pi 1 28/35/49/80 TL5 EII	8711500881199	1	
	HF-Pi 2 28/35/49/54 TL5 EII	8711500915023	2	
HF-Pi 2 28/35/49/80 TL5 EII	8711500881199	2		
Tridonic	PC 1/14-35/49/54 T5 PRO-MIp	22176183	1	
	PC 1/14-35/49/80 T5 PRO-MIp	22176184	1	
	PC 1x14-35 T5 PRO Ip	22185147	1	
	PC 1x14-35 T5 TOP Ip	22185157	1	
	PC 1x28 T5 TEC Ip	87500215	1	
	PC 2/14-35/49/54 T5 PRO-MIp	22176186	2	
	PC 2x14-35 T5 PRO Ip	22185148	2	
	PC 2x14-35 T5 TOP Ip	22185158	2	
PC 2x28 T5 TEC Ip	87500216	2		
b,a,g,	BCS35.1FX-11/220-240	10077579	1	
	BCS35.2FX-11/220-240	10077580	2	

#### Important notice:

Dimming an LED tube:

Ballast with Dim are conditionally released by LEDVANCE.

LED tube dimming curve is different from the curve of a traditional fluorescent.

The performance of dimming is not guaranteed in a dimming application.