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TrueForce LED HPI - Universal

9290023507 TForce LEI 9290023508 TForce LEI 9290023509 TForce LEI 9290023510 TForce LEI

TFORCE LED HPI UN 95W E40 840 NB TFORCE LED HPI UN 95W E40 840 WB TFORCE LED HPI UN 140W E40 840 NB TFORCE LED HPI UN 140W E40 840 WB





Ballast - Igniter compatibility list

KEY

	Compatible	TI. 1
	limited compatibility	This document is for in as recommendation. Si
	Not Compatible	which are genera complete
N.A.	Combination not applicable	Complete

This document is for information purposes and must be treated as recommendation. Signify attempts to provide accurate result which are generated in lab conditions and might not completely reflect actual conditions.

EM ballast type	TForce LED HPI UN 95-250W 9290023507 9290023508	TForce LED HPI UN 140-400W 9290023509 9290023510
BHL 250W		
BSN 250W		
BHL 400W		
BSN 400W		

The product is compatible with BHL/BSN ballasts, see above table. The product is NOT compatible with electronic ballasts The product is NOT compatible with CWA type of ballasts/transformers

BSN-series ballast type (or similar) combined with following igniter

Brand	Туре	art.nr	mode	Trueforce 95-250W 9290023507 9290023508	Trueforce 140-400W 9290023509 9290023510
Without igniter	n.a.	n.a.	n.a.		
Philips	SN58	9136195799 9137001349 9137001348 9137100105 9136195199	semi-parallel		
	SKD578	9137006553 9137006554	semi-parallel		
Vossloh Schwabe	Z250s	140425	series		
	Z400s	140427	series		
	Z400MK	142897	series		
	PZI1000/1K	140617	parallel		
Tridonic	ZRM-2.5-ES/CT	87500086	series		
BAG	NI 400 LE 4K	10007322	series		
	NP603	10067389	parallel		
PARMAR	PAE40 0255	PAE400255	series		
	PXE07 0255		series		
ELT	AVS 400-D	3210232	series		
	AVS100-DP	3210442	semi-parallel		
Electrostart	ZX400-T	78.02.400.0-T	series		
"Magnetek (May & Christe)"	ZG4.5		series		

BHL-series ballast type (or similar) combined with following igniter

Brand	Туре	art.nr	mode	TForce LED HPI UN 95-250W 9290023507 9290023508	TForce LED HPI UN 140-400W 9290023509 9290023510
Without igniter	n.a.	n.a.	n.a.		
Philips	SI51	9136195199	parallel		
Vossloh Schwabe	Z250s	140425	series		
	Z400s	140427	series		
	Z400MK	142897	series		
	PZI1000/1K	140617	parallel		
Tridonic	ZRM-2.5-ES/CT	87500086	series		
BAG	NI 400 LE 4K	10007322	series		
	NP603	10067389	parallel		
PARMAR	PAE400255	PAE400255	series		
	PXE07 0255		series		
ELT	AVS 400-D	3210232	series		
Electrostart	ZX400-T	78.02.400.0-T	series		
"Magnetek (May & Christe)"	ZG 4.5		series		

Note:

- For enabling compatibility, the "Igniter comfort logic" function is equipped to simulate the low light level at start up of HID lamps, which in some cases can be observed as a short reduction of the light output of the lamp.
- In rare cases the igniter comfort logic cannot stop the igniter. This is visible as continuously flicker of the light. Signify advises to remove/disconnect the igniter.
- Instant ON/OFF does not require to warm up or to cool down before restart.
- The compatibility of the lamp with the gear is measured in the laboratory at nominal voltage (230VAC). The performance in real applications can be different.
- Manufacturers of ballasts and igniters can change the technical design of their product without informing LED lamp suppliers. These changes can influence the performance of LED products. Signify cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in ballasts or igniters.

Disclaimer:

Philips will not accept claims for any damage caused by implementing the recommendations in this document. More information: <u>TrueForce LED Industrial and Retail (Highbay – MH) | 6871562 | Philips lighting Installer Hub | Philips lighting</u>



CorePro LED HPI - Mains

9290031616 9290031617 CorePro LED HPI MV 9Klm 65W 840 E40 100D CorePro LED HPI MV 15Klm 105W840E40 100D





Ballast - Igniter compatibility list

KEY

	Compatible		
	limited compatibility	This document is for information purposes and must be tre as recommendation. Signify attempts to provide accurate i	
	Not Compatible	which are generated in lab conditions and might not completely reflect actual conditions.	
NΑ	Combination not applicable	completely reflect actual conditions.	

EM ballast type	CorePro LED HPI MV 9Klm 65W 840 E40 - 9290031616	CorePro LED HPI MV 15Klm 105W 840 E40 - 9290031617
Direct Mains/ Bypass Ballast		
EM ballast		

The product is NOT compatible with all types of ballasts/transformers.

Note:

- The lamp is not compatible with any Ballast Gear, ballast/igniter/power factor compensation capacitor should be removed.
- Instant ON/OFF does not require to warm up or to cool down before restart.

Disclaimer

Philips will not accept claims for any damage caused by implementing the recommendations in this document. More information:

CorePro LED HPI - Mains
CorePro LED HPI - Mains
Installer Hub | Philips lighting



TrueForce LED SON-T - Instant Fit

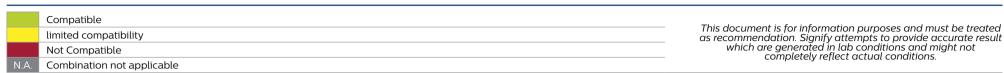


9290034670 MAS LED SON-T IF 3.6Klm 23W 727 E27 9290034671 MAS LED SON-T IF 4Klm 23W 740 E27 MAS LED SON-T IF 5.4Klm 34W 727 E27 9290034672 MAS LED SON-T IF 6Klm 34W 740 E27 9290034673 9290034674 MAS LED SON-T IF 8.1Klm 50W 727 E40 MAS LED SON-T IF 9Klm 50W 740 E40 9290034675 MAS LED SON-T IF 10.8Klm 65W 727 E40 9290034676 9290034677 MAS LED SON-T IF 12Klm 65W 740 E40

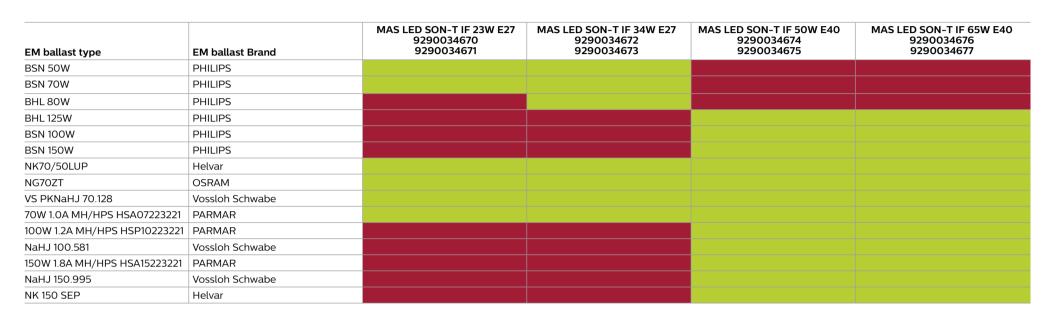


Ballast - Igniter compatibility list

KEY



W



The product is compatible with BSN and BHL ballast (or similar models from other suppliers), see above table.

The product is NOT compatible with electronic ballasts

The product is NOT compatible with CWA type of ballasts/transformers

BSN-series ballast type (or similar) combined with following igniter

Brand	Туре	art.nr	mode	MAS LED SON-T IF 23W E27 9290034670 9290034671	MAS LED SON-T IF 34W E27 9290034672 9290034673	MAS LED SON-T IF 50W E40 9290034674 9290034675	MAS LED SON-T IF 65W E40 9290034676 9290034677
Without igniter	n.a.	n.a.	n.a.				
Philips	SN58	9136195799 9137001349 9137001348 9137100105 9136195199	semi-parallel				
	SKD578	9137006553 9137006554	semi-parallel				
Vossloh Schwabe	Z250s	140425	series				
	Z400s	140427	series				
	Z400MK	142897	series				
	PZI1000/1K	140617	parallel				
Tridonic	ZRM-2.5-ES/CT	87500086	series				
BAG	NI 400 LE 4K	10007322	series				
	NP603	10067389	parallel				
PARMAR	PAE40 0255	PAE400255	series				
	PXE07 0255		series				
ELT	AVS 400-D	3210232	series				
Electrostart	ZX400-T	78.02.400.0-T	series				
Magnetek (May & Christe)	ZG4.5		series				





BSN-series ballast type (or similar) combined with following igniter

	31 (
Brand	Туре	art.nr	mode	MAS LED SON-T IF 23W E27 9290034670 9290034671	MAS LED SON-T IF 34W E27 9290034672 9290034673	MAS LED SON-T IF 50W E40 9290034674 9290034675	MAS LED SON-T IF 65W E40 9290034676 9290034677
Without igniter	n.a.	n.a.	n.a.				
Philips	SI51	9136195199	parallel				
Vossloh Schwabe	Z250s	140425	series				
	Z400s	140427	series				
	Z400MK	142897	series				
	PZI1000/1K	140617	parallel				
Tridonic	ZRM-2.5-ES/CT	87500086	series				
BAG	NI 400 LE 4K	10007322	series				
	NP603	10067389	parallel				
PARMAR	PAE400255	PAE400255	series				
	PXE07 0255		series				
ELT	AVS 400-D	3210232	series				
Electrostart	ZX400-T	78.02.400.0-T	series				
Magnetek (May & Christe)	ZG 4.5		series				

Note

- For enabling compatibility, the "Igniter comfort logic" function is equipped to simulate the low light level at start up of HID lamps, which in some cases can be observed as a short reduction of the light output of the lamp.
- In rare cases the igniter comfort logic cannot stop the igniter. This is visible as continuously flicker of the light. Signify advises to remove/disconnect the igniter.
- Instant ON/OFF does not require to warm up or to cool down before restart.
- The compatibility of the lamp with the gear is measured in the laboratory at nominal voltage (230VAC). The performance in real applications can be different.
- Manufacturers of ballasts and igniters can change the technical design of their product without informing LED lamp suppliers. These changes can influence the performance of LED products. Signify cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in ballasts or igniters.

Disclaimer

Philips will not accept claims for any damage caused by implementing the recommendations in this document. More information:

TrueForce LED Public (Road - SON) | 7165342 | Philips lighting



TrueForce LED SON - T - EM/Mains Voltage

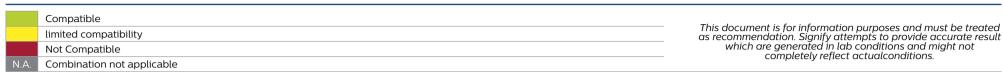


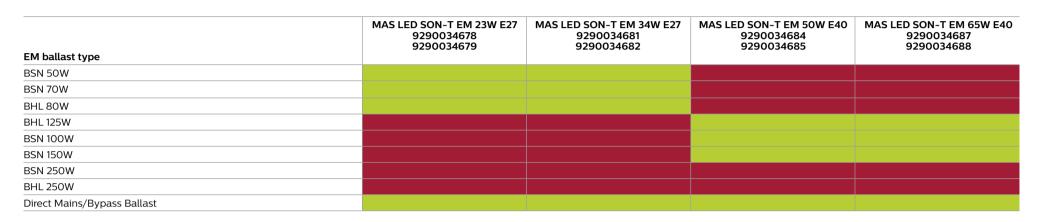
MAS LED SON-T EM 3.6Klm 23W 727 E27 9290034679 MAS LED SON-T EM 4Klm 23W 740 E27 9290034681 MAS LED SON-T EM 5.4Klm 34W 727 E27 MAS LED SON-T EM 6Klm 34W 740 E27 9290034682 9290034684 MAS LED SON-T EM 8.1Klm 50W 727 E40 9290034685 MAS LED SON-T EM 9Klm 50W 740 E40 9290034687 MAS LED SON-T EM 10.8Klm 65W 727 E40 9290034688 MAS LED SON-T EM 12Klm 65W 740 E40



Ballast - Igniter compatibility list

KEY





The product is compatible with BSN and BHL ballast (or similar models from other suppliers), see above table. The product is NOT compatible with electronic ballasts

The product is NOT compatible with CWA type of ballasts/transformers

- The lamp is not compatible with any igniter. Ignitor should be removed.
- To get a decent PF, the power factor compensation capacitor should be removed.
- Instant ON/OFF does not require to warm up or to cool down before restart.
- The compatibility of the lamp with the gear is measured in the laboratory at nominal voltage (230VAC). The performance in real applications can be different
- Manufacturers of ballasts can change the technical design of their product without informing LED lamp suppliers. These changes can influence the performance of LED products. Signify cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in ballasts.

Disclaimer:

Philips will not accept claims for any damage caused by implementing the recommendations in this document. More information:

TrueForce LED Public (Road - SON) | 7165342 | Philips lighting



TrueForce Core LED SON-T - Mains Voltage

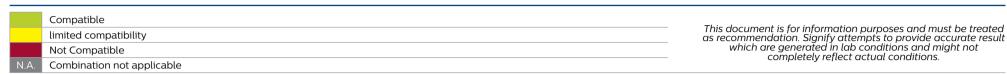


9290024848 TForce Core LED road 17W 730 E27 MV
9290024849 TForce Core LED road 17W 740 E27 MV
9290024850 TForce Core LED road 26W 730 E27 MV
9290024851 TForce Core LED road 26W 740 E27 MV
9290024852 TForce Core LED road 40W 730 E40 MV
9290024853 TForce Core LED road 40W 740 E40 MV



Ballast - Igniter compatibility list

KEY



EM ballast type	TForce LED Road 40-25W E27 9290030414 9290030415	TForce LED Road 55-35W E27 9290022217 9290020685 9290020686	TForce LED Road 84-55W E40 9290022216 9290020687 9290020688
Direct Mains/ Bypass Ballast			
EM ballast			

The product is NOT compatible with all types of ballasts/transformers.

Note

- The lamp is not compatible with any Ballast Gear, ballast/igniter/power factor compensation capacitor should be removed.
- Instant ON/OFF does not require to warm up or to cool down before restart.

Disclaimer:

Philips will not accept claims for any damage caused by implementing the recommendations in this document. More information:

Trueforce Core LED SON-T | 8852552 | Philips lighting

Installer Hub | Philips lighting



TrueForce LED HPL - EM/Mains

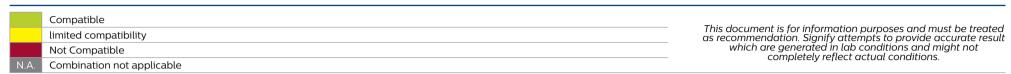
9290020061 TForce LED HPL ND 28-21W E27 830
9290020062 TForce LED HPL ND 30-21W E27 840
9290020063 TForce LED HPL ND 38-28W E27 830
9290020064 TForce LED HPL ND 40-28W E27 840
9290020065 TForce LED HPL ND 57-42W E27 830
9290020066 TForce LED HPL ND 60-42W E27 840
9290020067 TForce LED HPL ND 57-42W E40 830
9290020068 TForce LED HPL ND 60-42W E40 840





Ballast - Igniter compatibility list

KEY





The product is compatible with BSN and BHL ballast (or similar models from other suppliers), see above table.

The product is NOT compatible with electronic ballasts

The product is NOT compatible with CWA type of ballasts/transformers

Note:

- The lamp is not compatible with any igniter. Ignitor should be removed.
- To get a decent PF, the power factor compensation capacitor should be removed.
- Instant ON/OFF does not require to warm up or to cool down before restart.
- The compatibilty of the lamp with the gear is measured in the laboratory at nominal voltage (230VAC). The performance in real applications can be different
- Manufacturers of ballasts can change the technical design of their product without informing LED lamp suppliers. These changes can influence the performance of LED products. Signify cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in ballasts.

Disclaimer

Philips will not accept claims for any damage caused by implementing the recommendations in this document. More information: TrueForce LED Public (Urban/Road – HPL/SON) | 5763385 | Philips lighting



Master LED HPL - Mains

929003530702 MAS LED HPL M 2.8Klm 19W 830E27 FR G 929003530802 MAS LED HPL M 3Klm 19W 840 E27 FR G 929003530902 MAS LED HPL M 3.8Klm 24W 830 E27 FR G 929003531002 MAS LED HPL M 4Klm 24W 840 E27 FR G 929003531102 MAS LED HPL M 5.6Klm 33.5W 830 E27 FR G 929003531202 MAS LED HPL M 6Klm 33.5W 840 E27 FR G MAS LED HPL M 5.6Klm 33.5W 830 E40 FR G 929003531302 929003531402 MAS LED HPL M 6Klm 33.5W 840 E40 FR G





Ballast - Igniter compatibility list

	Compatible limited compatibility Not Compatible	This document is for information purposes and must be treated as recommendation. Signify attempts to provide accurate result which are generated in lab conditions and might not
N.A.	Combination not applicable	completely reflect actual conditions.

EM ballast type	MAS LED HPL M 19W E27 FR G 9290035307 9290035308	MAS LED HPL M 24W E27 FR G 9290035309 9290035310	MAS LED HPL M 24W E27 FR G 9290035311 9290035312	MAS LED HPL M 24W E40 FR G 9290035313 9290035314
Direct Mains/ Bypass Ballast				
EM ballast				

The product is NOT compatible with all types of ballasts/transformers.

Note:

- The lamp is not compatible with any Ballast Gear, ballast/igniter/power factor compensation capacitor should be removed.
- Instant ON/OFF does not require to warm up or to cool down before restart.

Philips will not accept claims for any damage caused by implementing the recommendations in this document. More information: CorePro LED HPI - Mains



TrueForce CorePro LED HPL - Mains Voltage



9290023497	TForce Core LED HPL 13W E27 830 FR
9290023498	TForce Core LED HPL 13W E27 840 FR
9290023499	TForce Core LED HPL 18W E27 830 FR
9290023500	TForce Core LED HPL 18W E27 840 FR
9290023501	TForce Core LED HPL 26W E27 830 FR
9290023502	TForce Core LED HPL 26W E27 840 FR
9290024812	TForce Core LED HPL 36W E27 830 FR
9290024813	TForce Core LED HPL 36W E27 840 FR
9290024814	TForce Core LED HPL 36W E40 830 FR
9290024815	TForce Core LED HPL 36W E40 840 FR



Ballast - Igniter compatibility list

KEY

ĺ		Compatible	This document is for information purposes and must be treated
		limited compatibility	as recommendation. Signify attempts to provide accurate result
		Not Compatible	which are generated in lab conditions and might not completely reflect actual conditions.
	N.A.	Combination not applicable	completely reflect actual conditions.

EM ballast type	TForce Core LED HPL13W E27 FR 9290023497 9290023498	TForce Core LED HPL18W E27 FR 9290023499 9290023500	TForce Core LED HPL26W E27 FR 9290023501 9290023502	TForce Core LED HPL36W E27 FR 9290024812 9290024813	TForce Core LED HPL36W E40 FR 9290024814 9290024815
Direct Mains/ Bypass Ballast					
EM ballast					

The product is NOT compatible with all types of ballasts/transformers.

Note:

- The lamp is not compatible with any Ballast Gear, ballast/igniter/power factor compensation capacitor should be removed.
- Instant ON/OFF does not require to warm up or to cool down before restart.

Disclaimer

Philips will not accept claims for any damage caused by implementing the recommendations in this document. More information: <u>Trueforce CorePro LED HPL | 7903997 | Philips lighting Installer Hub | Philips lighting</u>





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