



PHILIPS

TrueForce LED HID
compatibility list
Professional Q3-2024



Table of content

TrueForce LED HPI - Universal	2
CorePro LED HPI - Mains	3
TrueForce LED SON-T - InstantFit	4-5
TrueForce LED SON-T - EM/Mains Voltage	6
MASTER LED SON-T Ultra Efficient - Mains	7
TrueForce CorePro LED SON-T - Mains Voltage	8
TrueForce LED HPL - EM/Mains	9
MASTER LED HPL - Mains	10
TrueForce CorePro LED HPL Mains Voltage	11

TrueForce LED HPI - Universal



9290023507 TForce LED HPI UN 95W E40 840 NB
 9290023508 TForce LED HPI UN 95W E40 840 WB
 9290023509 TForce LED HPI UN 140W E40 840 NB
 9290023510 TForce LED HPI UN 140W E40 840 WB



Ballast - Igniter compatibility list

KEY

Compatible
Limited compatibility
Not Compatible
N.A. Combination not applicable

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	Type	art.nr	mode	Trueforce 95-250W 9290023507 9290023508	Trueforce 140-400W 9290023509 9290023510
Without igniter	n.a.	n.a.	n.a.		
Philips	SN58	9136195799	semi-parallel		
		9137001349			
9137001348					
9137100105					
	SKD578	9137006553 9137006554	semi-parallel		
Vossloh Schwabe	Z250s	140425	series		
	Z400s	140427	series		
	Z400MK	142897	series		
	PZ11000/1K	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		

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

Brand	Type	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		
	PZ11000/1K	140617	parallel		
Tridonic	ZRM-2.5-ES/CT	87500086	series		
BAG	NI 400 LE 4K	10007322	series		
	NP603	10067389	parallel		
PARMAR	PAE400 255	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		

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 Industrial and Retail \(Highbay – MH\) | 6871562 | Philips lighting](#)
[Installer Hub | Philips lighting](#)

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
	Not Compatible
	N.A. Combination not applicable

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.

	CorePro LED HPI MV 9Klm 65W 840 E40 - 9290031616	CorePro LED HPI MV 15Klm 105W 840 E40 - 9290031617
EM ballast type		
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](#)

[Installer Hub | Philips lighting](#)

MASTER LED SON-T - InstantFit



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



Ballast - Igniter compatibility list

KEY

	Compatible
	Limited compatibility
	Not Compatible
	Combination not applicable

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	EM ballast Brand	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
BSN 50W	PHILIPS				
BSN 70W	PHILIPS				
BHL 80W	PHILIPS				
BHL 125W	PHILIPS				
BSN 100W	PHILIPS				
BSN 150W	PHILIPS				
NK70/50LUP	Helvar				
NG70ZT	OSRAM				
VS PKNaHJ 70.128	Vossloh Schwabe				
70W 1.0A MH/HPS HSA07223221	PARMAR				
100W 1.2A MH/HPS HSP10223221	PARMAR				
NaHJ 100.581	Vossloh Schwabe				
150W 1.8A MH/HPS HSA15223221	PARMAR				
NaHJ 150.995	Vossloh Schwabe				
NK 150 SEP	Helvar				
BSD 100L 406TS	PHILIPS				
BSD 150L 406TS	PHILIPS				

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	Type	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				
		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

Brand	Type	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](#)
[Installer Hub | Philips lighting](#)

MASTER LED SON - T - EM/Mains Voltage



9290034678	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
9290034682	MAS LED SON-T EM 6Klm 34W 740 E27
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

Compatible
Limited compatibility
Not Compatible
N.A. Combination not applicable

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	MAS LED SON-T EM 23W E27 9290034678 9290034679	MAS LED SON-T EM 34W E27 9290034681 9290034682	MAS LED SON-T EM 50W E40 9290034684 9290034685	MAS LED SON-T EM 65W E40 9290034687 9290034688
BSN 50W				
BSN 70W				
BHL 80W				
BHL 125W				
BSN 100W				
BSN 150W				
BSN 250W				
BHL 250W				
Direct Mains/Bypass Ballast				
BSD 100L 406TS				
BSD 150L 406TS				

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 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](#)
[Installer Hub | Philips lighting](#)

MASTER LED SON-T Ultra Efficient - Mains



9290036771	MAS LED SON-T UE M 3.6Klm 19W 727 E27
9290036772	MAS LED SON-T UE M 4Klm 19W 740 E27
9290036773	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27
9290036774	MAS LED SON-T UE M 6Klm 28.5W 740 E27
9290036775	MAS LED SON-T UE M 8Klm 42.8W 727 E40
9290036776	MAS LED SON-T UE M 9Klm 42.8W 740 E40



Ballast - Igniter compatibility list

KEY

	Compatible
	Limited compatibility
	Not Compatible
	N.A. Combination not applicable
	Combination not tested

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.

	MAS LED SON-T UE M 3.6Klm 19W E27 9290036771 9290036772	MAS LED SON-T UE M 5.4Klm 28.5W E27 9290036773 9290036774	MAS LED SON-T UE M 8Klm 42.8W E40 9290036775 9290036776
EM ballast type			
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:

[Installer Hub](#) | [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
9290037308	TForce Core LED road 17W 727 E27 MV
9290037309	TForce Core LED road 26W 727 E27 MV
9290037310	TForce Core LED road 40W 727 E40 MV
929003775602	TForce Core LED road 45W 727 E40 MV
929003775702	TForce Core LED road 49W 740 E40 MV
929003778802	TForce Core LED road 45W 730 E40 MV



Ballast - Igniter compatibility list

KEY

	Compatible
	Limited compatibility
	Not Compatible
	N.A. Combination not applicable

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.

	TForce Core LED road 17W 9290024848 9290024849 9290037308	TForce Core LED road 26W 9290024850 9290024851 9290037309	TForce Core LED road 40W 9290024852 9290024853 9290037310	TForce CORE LED 45W 9290037756 9290037757 9290037788
EM ballast type				
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

Compatible
Limited compatibility
Not Compatible
N.A. Combination not applicable

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 HPL ND 21W E27 9290020061 9290020062	TForce LED HPL ND 28W E27 9290020063 9290020064	TForce LED HPL ND 42W E27 9290020065 9290020066	TForce LED HPL ND 42W E40 9290020067 9290020068
BSN 50W				
BSN 70W				
BHL 80W				
BHL 125W				
BSN 100W				
BSN 150W				
BSN 250W				
BHL 250W				
Direct Mains/ Bypass Ballast				

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 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 \(Urban/Road – HPL/SON\) | 5763385 | Philips lighting](#)
[Installer Hub | 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
929003531302	MAS LED HPL M 5.6Klm 33.5W 830 E40 FR G
929003531402	MAS LED HPL M 6Klm 33.5W 840 E40 FR G



Ballast - Igniter compatibility list

KEY

Compatible
Limited compatibility
Not Compatible
N.A. Combination not applicable

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.

	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
EM ballast type				
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 HPL - Mains](#)

[Installer Hub | Philips lighting](#)

TrueForce CorePro LED HPL - Mains Voltage



9290023497	TForce Core LED HPL 13W E27 830 FR	9290037311	TForce Core LED HPL 13W E27 827 FR
9290023498	TForce Core LED HPL 13W E27 840 FR	9290037312	TForce Core LED HPL 18W E27 827 FR
9290023499	TForce Core LED HPL 18W E27 830 FR	9290037313	TForce Core LED HPL 26W E27 827 FR
9290023500	TForce Core LED HPL 18W E27 840 FR	9290037314	TForce Core LED HPL 36W E27 827 FR
9290023501	TForce Core LED HPL 26W E27 830 FR	9290037315	TForce Core LED HPL 36W E40 827 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

	Compatible
	Limited compatibility
	Not Compatible
	Combination not applicable

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.

	TForce Core LED HPL13W E27 FR 9290023497 9290023498 9290037311	TForce Core LED HPL18W E27 FR 9290023499 9290023500 9290037312	TForce Core LED HPL26W E27 FR 9290023501 9290023502 9290037313	TForce Core LED HPL36W E27 FR 9290024812 9290024813 9290037314	TForce Core LED HPL36W E40 FR 9290024814 9290024815 9290037315
EM ballast type					
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 CorePro LED HPL | 7903997 | Philips lighting](#)
[Installer Hub | Philips lighting](#)



© 2024 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners.

philips.com/trueforce-led-lamps