



PHILIPS

TrueForce LED HID
compatibility list
Professional Q3-2022



Table of content

• TrueForce LED HPI - Universal	2
• TrueForce LED SON-T - InstantFit	3-4
• TrueForce LED SON-T - Mains Voltage	5
• TrueForce CorePro LED SON-T - MainsVoltage	6
• TrueForce LED HPL - EM/Mains Voltage	7
• TrueForce CorePro LED HPL Mains Voltage	8

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

TrueForce LED SON-T - Instant Fit



9290018984	TForce LED Road 55-35W E27 730
9290018985	TForce LED Road 60-35W E27 740
9290019994	TForce LED Road 40-25W E27 730
9290019995	TForce LED Road 42-25W E27 740
9290020074	TForce LED Road 84-55W E40 730
9290020075	TForce LED Road 90-55W E40 740
9290020076	TForce LED Road 112-68W E40 730
9290020077	TForce LED Road 120-68W E40 740



Ballast - Igniter compatibility list

KEY

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

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EM ballast type	EM ballast Brand	TForce LED Road 40-25W E27 9290019994 9290019995	TForce LED Road 55-35W E27 9290018984 9290018985	TForce LED Road 84-55W E40 9290020074 9290020075	TForce LED Road 112-68W E40 9290020076 9290020077
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				

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	TForce LED Road 40-25W E27 9290019994 9290019995	TForce LED Road 55-35W E27 9290018984 9290018985	TForce LED Road 84-55W E40 9290020074 9290020075	TForce LED Road 112-68W E40 9290020076 9290020077
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

Brand	Type	art.nr	mode	TForce LED Road 40-25W E27 9290019994 9290019995	TForce LED Road 55-35W E27 9290018984 9290018985	TForce LED Road 84-55W E40 9290020074 9290020075	TForce LED Road 112-68W E40 9290020076 9290020077
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	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](#)

TrueForce LED SON-T - Mains Voltage



9290030414	TForce LED Road 25W E27 730 MV
9290030415	TForce LED Road 25W E27 740 MV
9290022217	TForce LED Road 35W E27 730 MV
9290020685	TForce LED Road 35W E27 740 MV
9290020686	TForce LED Road 35W E27 765 MV
9290022216	TForce LED Road 55W E40 730 MV
9290020687	TForce LED Road 55W E40 740 MV
9290020688	TForce LED Road 55W E40 765 MV
9290022776	TForce LED Road 68W E40 730 MV
9290022777	TForce LED Road 68W E40 740 MV
9290022778	TForce LED Road 68W E40 765 MV



Ballast - Igniter compatibility list

KEY

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

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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	TForce LED Road 112-68W E40 9290022776 9290022777 9290022778
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:

- 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:

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[TrueForce LED Public \(Road - SON\) | 7165342 | Philips lighting](#)
[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



Ballast - Igniter compatibility list

KEY

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

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	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
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:

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[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

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EM ballast type	TForce LED HPL ND21W E27 9290020061 9290020062	TForce LED HPL ND28W E27 9290020063 9290020064	TForce LED HPL ND42W E27 9290020065 9290020066	TForce LED HPL ND42W E40 9290020067 9290020068
Direct Mains/ Bypass Ballast				
EM ballast				
BSN 50W				
BSN 70W				
BHL 80W				
BSN 100W				
BSN 150W				
BSN 250W				
BHL 250W				

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 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:

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[TrueForce LED Public \(Urban/Road – HPL/SON\) | 5763385 | Philips lighting](#)
[Installer Hub | Philips lighting](#)

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

	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 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:

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[Trueforce CorePro LED HPL | 7903997 | Philips lighting](#)

[Installer Hub | Philips lighting](#)



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