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# TrueForce LED HPI - Universal

9290023507 9290023508 9290023509 9290023510

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	This also was said in facilities and
	limited compatibility	This document is for informati as recommendation. Signify a
	Not Compatible	which are generated in l completely refle
N.A.	Combination not applicable	Completely refle

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:

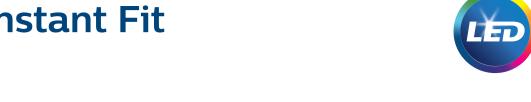
- For enabling compatibility, the "Igniter comfort logic" function is equipped to simulate the low light level at start up of HID lamps, which in some cases can be observed as a short reduction of the light output of the lamp.
- In rare cases the igniter comfort logic cannot stop the igniter. This is 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 (230 VAC). 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.

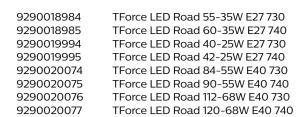
### Disclaimer:

Philips will not accept claims for any damage caused by implementing the recommendations in this document. More information: <a href="https://document.ncbi.nlm.ncbi.



# TrueForce LED SON-T - Instant Fit





### Ballast - Igniter compatibility list

### **KEY**



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.



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	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	Туре	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					
	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 Public (Road – SON) | 7165342 | Philips lighting</u>

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# TrueForce LED SON-T - Mains Voltage

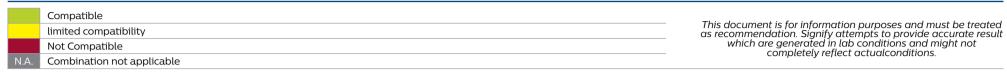


TForce LED Road 25W E27 730 MV 9290030415 TForce LED Road 25W E27 740 MV 9290022217 TForce LED Road 35W E27 730 MV TForce LED Road 35W E27 740 MV 9290020685 9290020686 TForce LED Road 35W E27 765 MV TForce LED Road 55W E40 730 MV 9290022216 TForce LED Road 55W E40 740 MV 9290020687 9290020688 TForce 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**





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:

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# TrueForce Core LED SON-T - Mains Voltage

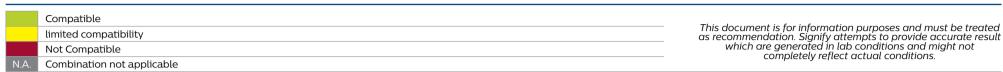


9290024848 TForce Core LED road 17W 730 E27 MV
9290024849 TForce Core LED road 17W 740 E27 MV
9290024850 TForce Core LED road 26W 730 E27 MV
9290024851 TForce Core LED road 26W 740 E27 MV
9290024852 TForce Core LED road 40W 730 E40 MV
9290024853 TForce Core LED road 40W 740 E40 MV



## **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

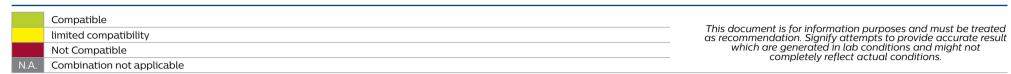
 9290020068
 TForce LED HPL ND 60-42W E40 840





### 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: <u>TrueForce LED Public (Urban/Road – HPL/SON) | 5763385 | Philips lighting Installer Hub | Philips lighting</u>



# TrueForce CorePro LED HPL - Mains Voltage



TForce Core LED HPL 13W E27 830 FR
TForce Core LED HPL 13W E27 840 FR
TForce Core LED HPL 18W E27 830 FR
TForce Core LED HPL 18W E27 840 FR
TForce Core LED HPL 26W E27 830 FR
TForce Core LED HPL 26W E27 840 FR
TForce Core LED HPL 36W E27 830 FR
TForce Core LED HPL 36W E27 840 FR
TForce Core LED HPL 36W E40 830 FR
TForce Core LED HPL 36W E40 840 FR



### Ballast - Igniter compatibility list

### KEY

		Compatible	
		limited compatibility	This document is for information purposes and must be treated as recommendation. Signify attempts to provide accurate result
		Not Compatible	which are generated in lab conditions and might not completely reflect actual conditions.
1	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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