PHILIPS

You want an easy way to replace HID with LED. We've got it!

It's never been easier for real pros to switch to LED. Use this guide to find the right LED replacement for HID lamps.

Switch out of date HID to out of this world LED

When it comes to unmatched lifetime. energy efficiency, and quality of light output, LED is the lighting to go with. What's more, replacing HID lamps for high performing LED lighting is fast, easy, and hassle-free.

This informative guide is there to help you find the right LED solution for all your needs and applications. With it, you can quickly get started, make the switch and provide your customers with great light that shines and saves longer.

For more information about the range and applications, go to:

philips.com/trueforce-led-lamps

Benefits of switching from HID to I FD



LED

made

easv

Easy adoption No need to change the fixture!

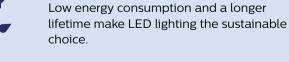


Fast payback

It usually takes less than two years for LED lamps to pay for themselves.

REAL PROs

Sustainability





Low investment, long lifetime

Right light distribution

application areas.

The long lifetime of up to 50,000 hours makes LED a clever investment.

Enhances comfort and safety in multiple

Highest standard LED technology

Low maintenance and up to 5 years warranty pay off!

TrueForce Core LED (HPL)

- Similar look & feel as conventional HID SON/ HPL lamps
- Perfect fit in HID luminaires on existing EM ballast or mains connection
- IP65 design suitable for indoor and outdoor applications

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H

TrueForce LED (HPL)

- Direct retrofit no need to change the fixture
- Low initial investment and quick payback through energy cost savings
- Up to 6KV surge protection
- Light in weight
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TrueForce Core LED highbay (HPL)

- Enhance lighting quality with easy adoption
- Low initial investment and guick payback through energy cost savings
- Light on the wider working space
- Wide beam angle (WB 240°)
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TrueForce **LED**

highbay universal (HPI)

- Quick and easy payback solution to replace HID lamps in highbay applications
- Direct retrofit no need to change the fixture
- Two beam angles: narrow beam (NB 60°); wide beam (WB 120°)
- Compatible with both 250W and 400W gears

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TrueForce LED Road (SON)

- Easy retrofit solution, no changing of luminaire's ballast or reflector necessary
- Cost saving with short payback time
- Low initial investment
- Two versions: InstantFit; EM/Mains
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TrueForce Core LED Road (SON)



- First full glass LED lamp for road lighting • Enables up to 60% energy saving compared
- to conventional road lighting and lower initial investment
- High efficiency GaN driver design

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TrueForce LED (SOX)

- Direct retrofit for traditional SOX system with TrueForce LED SOX lamp and integrated LED driver
- Low initial investment and guick payback through energy cost savings

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LED nade easy: philips.com/ trueforce-led- lamps		Ţ	Ť	Ţ	Ū		
	Ur	Re	etail	Industry			
	Post top, Heritage	Teardrop, Pendant	Highbay / Midbay		Highbay		

Conventional oval shape

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Wattage:	TrueForce			TrueForce			TrueForce		
HPL E27 50W	Core LED HPL 13W	MV	×	Core LED HPL 13W	MV	×	Core HB 20W	MV	×
	Core LED HPL 26W	MV	×	Core LED HPL 26W	MV	×	Core HB 30W	MV	×
HPL	Core LED HPL 18W	MV	0	Core LED HPL 18W	MV	0	Core HB 20W	MV	0
E27 80W	LED HPL 28W	MV	×						
	LED HPL 21W	MV	0						
HPL E27 125W	Core LED HPL 36W	MV	×	Core LED HPL 36W	MV	×	Core HB 35W	MV	×
	Core LED HPL 26W	MV	0	Core LED HPL 26W	MV	0	Core HB 30W	MV	0
	LED HPL 42W	MV	×						
	LED HPL 28W	MV	0						
HPL	Core LED HPL 36W	MV	×	Core LED HPL 36W	MV	×			
E40 125W	LED HPL 42W	MV	×						
HPL	Core LED HPL 36W	MV	0	Core LED HPL 36W	MV	×			
E40 200W	LED HPL 42W	MV	0						
	Core LED HPL 18W	MV	0						
SON-H	Core LED HPL 26W	MV	×						
SON-H E27 50W	LED HPL 21W	MV	0						
	LED HPL 28W	MV	×						
SON-H	Core LED HPL 26W	MV	0						
	Core LED HPL 36W	MV	×						
E27 70W	LED HPL 28W	MV	0						
	LED HPL 42W	MV	×						
SON-H E40 100W	Core LED HPL 36W	MV	0						
	LED HPL 42W	MV	0						
MH E40 250W				LE	D HP	I UN S	95W	UN	×
MH E40 400W				LE	D HPI	UN 1	40W	UN	×



Conventional tubular shape



Wattage:	TrueForce					
SON-T PIA	Core LED Road 17W	MV	0			
E27 50W	LED Road 25W	IF/ MV	×			
	Core LED Road 26W	MV	0			
SON-T PIA E27 70W	LED Road 35W	IF/ MV	0			
	LED Road 25W	IF/ MV	0			
	Core LED Road 40W	MV	0			
SON-T PIA E40 100W	LED Road 55W	IF/ MV	0			
	LED Road 68W	IF/ MV	×			
SON-T PIA E40 150W	LED Road 68W	IF/ MV	0			
SON-T	Core LED Road 26W	MV	0			
E27 70W	LED Road 35W	IF/ MV	×			
SON-T	Core LED Road 40W	MV	0			
E40 100W	LED Road 55W	IF/ MV	×			
SON-T E40 150W	LED Road 68W	IF/ MV	0			
CDO	Core LED Road 26W	MV	0			
E27 50W	LED Road 25W	IF/ MV	0			
CDO E27 70W	LED Road 35W	IF/ MV	0			
CDO	LED Road 55W	IF/ MV	0			
E40 100W	LED Road 68W	IF/ MV	×			
CDO E40 150W	LED Road 68W	IF/ MV	0			
SOX B22 35W / 26W				LED SOX 18W	MV	×
SOX B22 55W / 36W				LED SOX 28W	MV	×
SOX B22 55W				LED SOX 36W	MV	×

True replacement: initial perceived light effect / lux levels × = of LED lamp is the same or better than conventional HID

O = Average equivalence: average perceived light effect / lux levels of LED lamp during the life comparable to conventional HID

TrueForce Core LED lamps: convenient and cost-effective

TrueForce LED lamps: top-quality and robust UN = Universal. Plug & play solution with existing gear, no need to re-wire or remove any components. Can also work with direct mains voltage input to save additional energy.

MV = EM/Mains. Bypass EM ballast for additional energy saving, use direct mains voltage input. Keep EM ballast and need to remove ignitor, recommend to remove parallel compensation capacitor for decent Power Factor.

IF = InstantFit. Plug & play solution with existing gear, no need to rewire or remove any components.

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