



The best LED solution for High-Intensity Discharge (HID) lamp replacement

TrueForce Core LED Industrial and Retail (Highbay – HPI/SON/HPL)

Philips TrueForce Core LED I&R lamps offer an easy and short payback LED solution to replace High Intensity Discharge (HID) lamps. The products bring the energy-efficiency and long lifetime benefits of LED to HID replacement and provide instant savings and low initial investment. With the right lamp size and light distribution, you can easily retrofit TrueForce Core LED I&R lamps and bypass the existing ballast while enhancing the lighting quality.

Benefits

- Cost saving with short payback time
- Light on the wider working space
- Low initial investment
- Enhance lighting quality with easy adoption

Features

- High energy-efficiency
- Lifetime 20,000 hrs
- Wide beam angle, 240°
- Bypass ballast and save additional energy
- Pleasant white light with CRI 80

Application

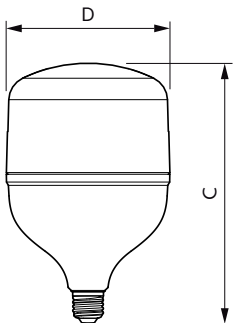
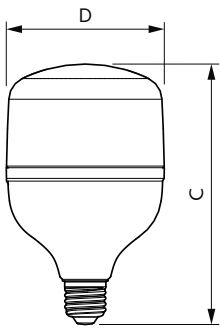
- Industrial/retail – warehouses, factories, shops, transport hubs

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Versions



Dimensional drawing

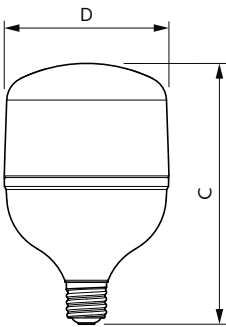
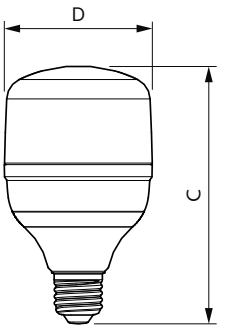
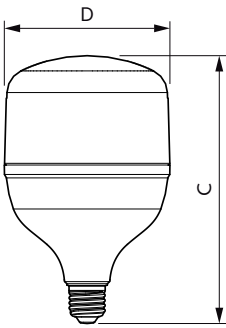
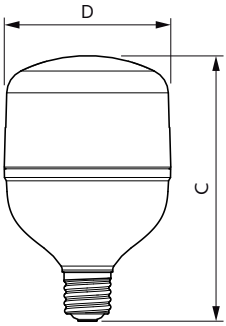


Product	D	C
TrueForce Core HB 30W E27 830 GN3	100 mm	165 mm
TrueForce Core HB 30W E27 865 GN3	100 mm	165 mm

Product	D	C
TrueForce Core HB 50W E27 830 GN3	139 mm	221 mm
TrueForce Core HB 50W E27 865 GN3	139 mm	221 mm

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Dimensional drawing



Product	D	C
TrueForce Core HB 50W E40 865 GN3	139 mm	224 mm
TrueForce Core HB 65W E40 840 GN3	140 mm	224 mm
TrueForce Core HB 65W E40 865 GN3	140 mm	224 mm

Product	D	C
TrueForce Core HB 40W E27 865 GN3	118 mm	193 mm
TrueForce Core HB 40W E27 830 GN3	118 mm	193 mm

Product	D	C
TrueForce Core HB 25W E27 865 GN3	80 mm	139 mm
TrueForce Core HB 25W E27 830 GN3	80 mm	139 mm

Product	D	C
TrueForce Core HB 80W E40 840 GN3	160 mm	269 mm
TrueForce Core HB 80W E40 865 GN3	160 mm	269 mm

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Controls and Dimming

Dimmable	No
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Operating and Electrical

Input Frequency	50 to 60 Hz
Voltage (Nom)	220-240 V
Starting Time (Nom)	0.5 s

General Information

Switching Cycle	50,000X
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Light Technical

Beam Angle (Nom)	180 °
Colour Rendering Index (Nom)	80
Llmf At End Of Nominal Lifetime (Nom)	70 %

Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	T-shape

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
78055500	TrueForce Core HB 25W E27 830 GN3	- kWh
78057900	TrueForce Core HB 25W E27 865 GN3	- kWh
78059300	TrueForce Core HB 30W E27 830 GN3	- kWh
78061600	TrueForce Core HB 30W E27 865 GN3	- kWh
78063000	TrueForce Core HB 40W E27 830 GN3	- kWh
78065400	TrueForce Core HB 40W E27 865 GN3	- kWh
78067800	TrueForce Core HB 50W E27 830 GN3	- kWh
78069200	TrueForce Core HB 50W E27 865 GN3	- kWh
78071500	TrueForce Core HB 50W E40 865 GN3	- kWh
78073900	TrueForce Core HB 65W E40 840 GN3	65 kWh
78075300	TrueForce Core HB 65W E40 865 GN3	65 kWh
78077700	TrueForce Core HB 80W E40 840 GN3	80 kWh
78079100	TrueForce Core HB 80W E40 865 GN3	80 kWh

Operating and Electrical

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
78055500	TrueForce Core HB 25W E27 830 GN3	40 W	25 W
78057900	TrueForce Core HB 25W E27 865 GN3	40 W	25 W
78059300	TrueForce Core HB 30W E27 830 GN3	45 W	30 W
78061600	TrueForce Core HB 30W E27 865 GN3	45 W	30 W
78063000	TrueForce Core HB 40W E27 830 GN3	55 W	40 W
78065400	TrueForce Core HB 40W E27 865 GN3	55 W	40 W
78067800	TrueForce Core HB 50W E27 830 GN3	70 W	50 W

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
78069200	TrueForce Core HB 50W E27 865 GN3	70 W	50 W
78071500	TrueForce Core HB 50W E40 865 GN3	70 W	50 W
78073900	TrueForce Core HB 65W E40 840 GN3	125 W	65 W
78075300	TrueForce Core HB 65W E40 865 GN3	125 W	65 W
78077700	TrueForce Core HB 80W E40 840 GN3	150 W	80 W
78079100	TrueForce Core HB 80W E40 865 GN3	150 W	80 W

General Information

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)
78055500	TrueForce Core HB 25W E27 830 GN3	E27	15000 h
78057900	TrueForce Core HB 25W E27 865 GN3	E27	15000 h
78059300	TrueForce Core HB 30W E27 830 GN3	E27	15000 h
78061600	TrueForce Core HB 30W E27 865 GN3	E27	15000 h
78063000	TrueForce Core HB 40W E27 830 GN3	E27	15000 h
78065400	TrueForce Core HB 40W E27 865 GN3	E27	15000 h
78067800	TrueForce Core HB 50W E27 830 GN3	E27	15000 h

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)
78069200	TrueForce Core HB 50W E27 865 GN3	E27	15000 h
78071500	TrueForce Core HB 50W E40 865 GN3	E40	15000 h
78073900	TrueForce Core HB 65W E40 840 GN3	E40	25000 h
78075300	TrueForce Core HB 65W E40 865 GN3	E40	25000 h
78077700	TrueForce Core HB 80W E40 840 GN3	E40	25000 h
78079100	TrueForce Core HB 80W E40 865 GN3	E40	25000 h

Light Technical

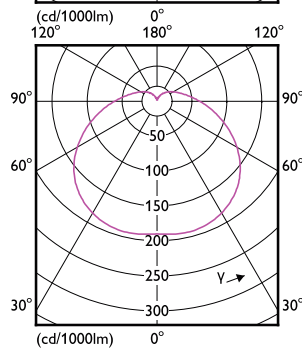
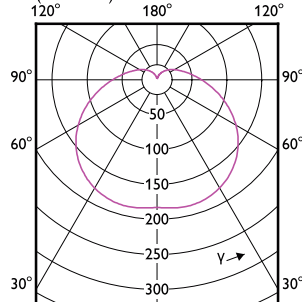
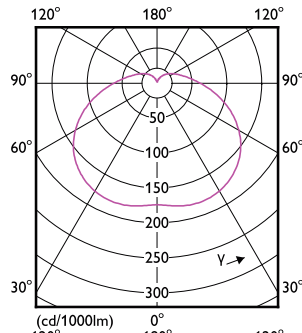
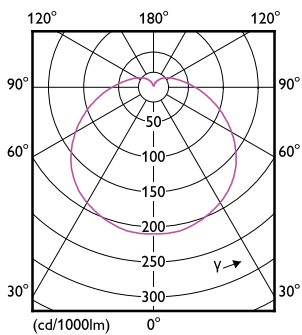
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Order Code	Full Product Name	Colour Code	Correlated Colour	
			Temperature (Nom)	Luminous Flux (Nom)
78055500	TrueForce Core HB 25W E27 830 GN3	830	3000 K	2600 lm
78057900	TrueForce Core HB 25W E27 865 GN3	865	6500 K	2700 lm
78059300	TrueForce Core HB 30W E27 830 GN3	830	3000 K	3000 lm
78061600	TrueForce Core HB 30W E27 865 GN3	865	6500 K	3200 lm
78063000	TrueForce Core HB 40W E27 830 GN3	830	3000 K	3700 lm
78065400	TrueForce Core HB 40W E27 865 GN3	865	6500 K	4000 lm
78067800	TrueForce Core HB 50W E27 830 GN3	830	3000 K	4800 lm

Order Code	Full Product Name	Colour Code	Correlated Colour	
			Temperature (Nom)	Luminous Flux (Nom)
78069200	TrueForce Core HB 50W E27 865 GN3	865	6500 K	5000 lm
78071500	TrueForce Core HB 50W E40 865 GN3	865	6500 K	5000 lm
78073900	TrueForce Core HB 65W E40 840 GN3	841	4000 K	7000 lm
78075300	TrueForce Core HB 65W E40 865 GN3	865	6500 K	7000 lm
78077700	TrueForce Core HB 80W E40 840 GN3	841	4000 K	9000 lm
78079100	TrueForce Core HB 80W E40 865 GN3	865	6500 K	9000 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
78055500	TrueForce Core HB 25W E27 830 GN3	95 °C
78057900	TrueForce Core HB 25W E27 865 GN3	95 °C
78059300	TrueForce Core HB 30W E27 830 GN3	80 °C
78061600	TrueForce Core HB 30W E27 865 GN3	80 °C
78063000	TrueForce Core HB 40W E27 830 GN3	85 °C
78065400	TrueForce Core HB 40W E27 865 GN3	85 °C
78067800	TrueForce Core HB 50W E27 830 GN3	80 °C
78069200	TrueForce Core HB 50W E27 865 GN3	80 °C
78071500	TrueForce Core HB 50W E40 865 GN3	80 °C
78073900	TrueForce Core HB 65W E40 840 GN3	85 °C
78075300	TrueForce Core HB 65W E40 865 GN3	85 °C
78077700	TrueForce Core HB 80W E40 840 GN3	85 °C
78079100	TrueForce Core HB 80W E40 865 GN3	85 °C



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