



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 saving 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 20,000hrs
- 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



LEDTForce Core HB Tshape E27

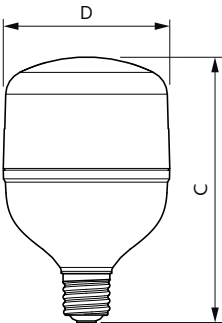
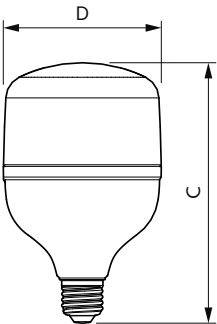
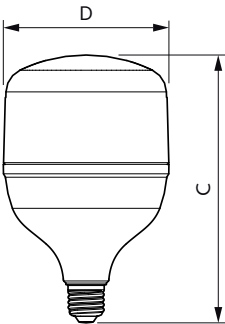


LEDTForce Core Tshape E27 FR 1



LEDTForce Core HB Tshape E40

Dimensional drawing



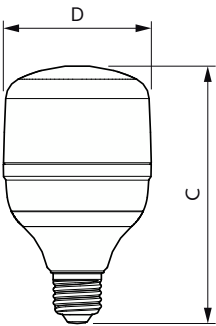
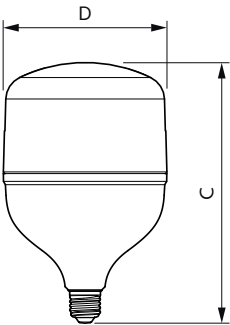
Product	D	C
TForce Core HB 40W E27 865 GN3	118 mm	193 mm
TForce Core HB MV ND 35W E27 840 G3	118 mm	193 mm

Product	D	C
TForce Core HB 30W E27 865 GN3	100 mm	165 mm
TForce Core HB MV ND 24W E27 840 G3	100 mm	165 mm
TForce Core HB MV ND 24W E27 865 G3	100 mm	165 mm

Product	D	C
TForce Core HB 50W E40 865 GN3	139 mm	224 mm

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Dimensional drawing



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

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

General Information	
Switching Cycle	50,000
Nominal lifetime	15,000 hour(s)
Light Technical	
Beam Angle (Nom)	180 degree(s)
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T-shape
Approval and Application	
Ambient temperature range	-20 °C to 45 °C

General Information

Order Code	Full Product Name	Cap-Base
78069200	TrueForce Core HB 50W E27 865 GN3	E27
78113200	TrueForce Core HB MV ND 24W E27 840 G3	E27
78115600	TrueForce Core HB MV ND 24W E27 865 G3	E27
78061600	TrueForce Core HB 30W E27 865 GN3	E27
78089000	TrueForce Core HB MV ND 35W E27 840 G3	E27
78065400	TrueForce Core HB 40W E27 865 GN3	E27
78057900	TrueForce Core HB 25W E27 865 GN3	E27
78071500	TrueForce Core HB 50W E40 865 GN3	E40

Light Technical

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Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
78069200	TrueForce Core HB 50W E27 865 GN3	6500 K	865	5,000 lm
78113200	TrueForce Core HB MV ND 24W E27 840 G3	4000 K	840	3,200 lm
78115600	TrueForce Core HB MV ND 24W E27 865 G3	6500 K	865	3,200 lm
78061600	TrueForce Core HB 30W E27 865 GN3	6500 K	865	3,200 lm

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
78089000	TrueForce Core HB MV ND 35W E27 840 G3	4000 K	840	5,000 lm
78065400	TrueForce Core HB 40W E27 865 GN3	6500 K	865	4,000 lm
78057900	TrueForce Core HB 25W E27 865 GN3	6500 K	865	2,700 lm
78071500	TrueForce Core HB 50W E40 865 GN3	6500 K	865	5,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
78069200	TrueForce Core HB 50W E27 865 GN3	50 W
78113200	TrueForce Core HB MV ND 24W E27 840 G3	24 W
78115600	TrueForce Core HB MV ND 24W E27 865 G3	24 W
78061600	TrueForce Core HB 30W E27 865 GN3	30 W

Order Code	Full Product Name	Power Consumption
78089000	TrueForce Core HB MV ND 35W E27 840 G3	35 W
78065400	TrueForce Core HB 40W E27 865 GN3	40 W
78057900	TrueForce Core HB 25W E27 865 GN3	25 W
78071500	TrueForce Core HB 50W E40 865 GN3	50 W

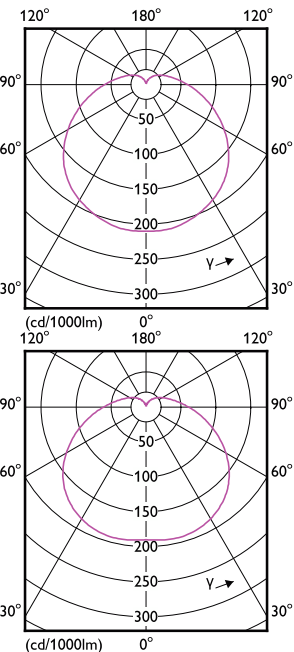
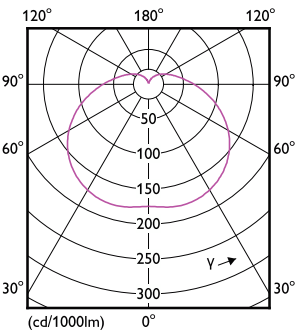
Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
78069200	TrueForce Core HB 50W E27 865 GN3	78 °C
78113200	TrueForce Core HB MV ND 24W E27 840 G3	70 °C
78115600	TrueForce Core HB MV ND 24W E27 865 G3	70 °C
78061600	TrueForce Core HB 30W E27 865 GN3	75 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
78089000	TrueForce Core HB MV ND 35W E27 840 G3	76 °C
78065400	TrueForce Core HB 40W E27 865 GN3	79 °C
78057900	TrueForce Core HB 25W E27 865 GN3	90 °C
78071500	TrueForce Core HB 50W E40 865 GN3	78 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
78069200	TrueForce Core HB 50W E27 865 GN3	-
78113200	TrueForce Core HB MV ND 24W E27 840 G3	24 kWh
78115600	TrueForce Core HB MV ND 24W E27 865 G3	24 kWh
78061600	TrueForce Core HB 30W E27 865 GN3	-
78089000	TrueForce Core HB MV ND 35W E27 840 G3	35 kWh
78065400	TrueForce Core HB 40W E27 865 GN3	-
78057900	TrueForce Core HB 25W E27 865 GN3	-
78071500	TrueForce Core HB 50W E40 865 GN3	-



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