



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

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

Versions



LEDTForce Core HB Tshape E27

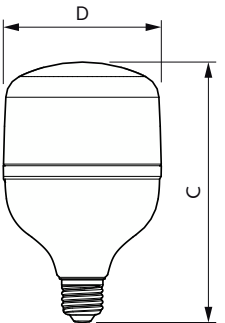
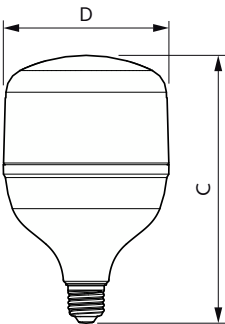
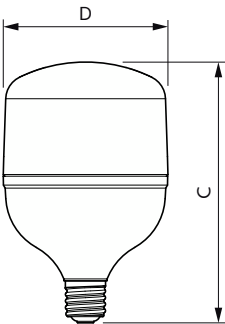


LEDTForce Core Tshape E27 FR 1



LEDTForce Core HB Tshape E40

Dimensional drawing



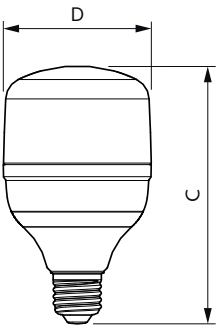
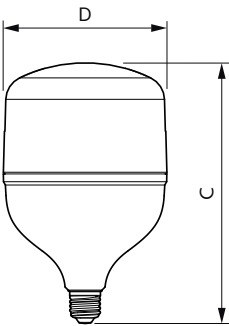
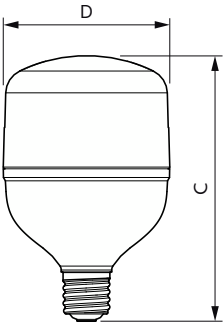
Product	D	C
TForce Core HB 80W E40 840 GN3	160 mm	269 mm
TForce Core HB 80W E40 865 GN3	160 mm	269 mm
TForce Core HB MV ND 65W E40 840 G3	160 mm	269 mm
TForce Core HB MV ND 65W E40 865 G3	160 mm	269 mm

Product	D	C
TForce Core HB 40W E27 830 GN3	118 mm	193 mm
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 830 GN3	100 mm	165 mm
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

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

Dimensional drawing



Product	D	C
TForce Core HB 50W E40 865 GN3	139 mm	224 mm
TForce Core HB 65W E40 840 GN3	140 mm	224 mm
TForce Core HB 65W E40 865 GN3	140 mm	224 mm
TForce Core HB MV ND 55W E40 840 G3	140 mm	224 mm
TForce Core HB MV ND 55W E40 865 G3	140 mm	224 mm

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

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

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

General Information	
Switching Cycle	50,000
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
Temperature	
Ambient temperature range	-20 °C to 45 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T-shape

General Information

Order Code	Full Product Name	Cap-Base	Nominal lifetime
78067800	TrueForce Core HB 50W E27 830 GN3	E27	15,000 hour(s)
78069200	TrueForce Core HB 50W E27 865 GN3	E27	15,000 hour(s)
78077700	TrueForce Core HB 80W E40 840 GN3	E40	25,000 hour(s)
78079100	TrueForce Core HB 80W E40 865 GN3	E40	25,000 hour(s)
78159000	TrueForce Core HB MV ND 65W E40 840 G3	E40	25,000 hour(s)
78093700	TrueForce Core HB MV ND 65W E40 865 G3	E40	25,000 hour(s)
78113200	TrueForce Core HB MV ND 24W E27 840 G3	E27	15,000 hour(s)
78115600	TrueForce Core HB MV ND 24W E27 865 G3	E27	15,000 hour(s)
78059300	TrueForce Core HB 30W E27 830 GN3	E27	15,000 hour(s)
78061600	TrueForce Core HB 30W E27 865 GN3	E27	15,000 hour(s)
78089000	TrueForce Core HB MV ND 35W E27 840 G3	E27	15,000 hour(s)
78063000	TrueForce Core HB 40W E27 830 GN3	E27	15,000 hour(s)
78065400	TrueForce Core HB 40W E27 865 GN3	E27	15,000 hour(s)
78055500	TrueForce Core HB 25W E27 830 GN3	E27	15,000 hour(s)
78057900	TrueForce Core HB 25W E27 865 GN3	E27	15,000 hour(s)
78071500	TrueForce Core HB 50W E40 865 GN3	E40	15,000 hour(s)
78073900	TrueForce Core HB 65W E40 840 GN3	E40	25,000 hour(s)
78075300	TrueForce Core HB 65W E40 865 GN3	E40	25,000 hour(s)
78157600	TrueForce Core HB MV ND 55W E40 840 G3	E40	25,000 hour(s)
78091300	TrueForce Core HB MV ND 55W E40 865 G3	E40	25,000 hour(s)

Light Technical

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
78067800	TrueForce Core HB 50W E27 830 GN3	3000 K	830	4,800 lm
78069200	TrueForce Core HB 50W E27 865 GN3	6500 K	865	5,000 lm
78077700	TrueForce Core HB 80W E40 840 GN3	4000 K	840	9,000 lm
78079100	TrueForce Core HB 80W E40 865 GN3	6500 K	865	9,000 lm
78159000	TrueForce Core HB MV ND 65W E40 840 G3	4000 K	840	9,000 lm
78093700	TrueForce Core HB MV ND 65W E40 865 G3	6500 K	865	9,000 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
78059300	TrueForce Core HB 30W E27 830 GN3	3000 K	830	3,000 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
78063000	TrueForce Core HB 40W E27 830 GN3	3000 K	830	3,700 lm
78065400	TrueForce Core HB 40W E27 865 GN3	6500 K	865	4,000 lm
78055500	TrueForce Core HB 25W E27 830 GN3	3000 K	830	2,600 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
78073900	TrueForce Core HB 65W E40 840 GN3	4000 K	840	7,000 lm
78075300	TrueForce Core HB 65W E40 865 GN3	6500 K	865	7,000 lm
78157600	TrueForce Core HB MV ND 55W E40 840 G3	4000 K	840	7,000 lm
78091300	TrueForce Core HB MV ND 55W E40 865 G3	6500 K	865	7,000 lm

Operating and Electrical

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

Order Code	Full Product Name	Power Consumption
78067800	TrueForce Core HB 50W E27 830 GN3	50 W
78069200	TrueForce Core HB 50W E27 865 GN3	50 W
78077700	TrueForce Core HB 80W E40 840 GN3	80 W
78079100	TrueForce Core HB 80W E40 865 GN3	80 W
78159000	TrueForce Core HB MV ND 65W E40 840 G3	65 W
78093700	TrueForce Core HB MV ND 65W E40 865 G3	65 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
78059300	TrueForce Core HB 30W E27 830 GN3	30 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
78063000	TrueForce Core HB 40W E27 830 GN3	40 W
78065400	TrueForce Core HB 40W E27 865 GN3	40 W
78055500	TrueForce Core HB 25W E27 830 GN3	25 W
78057900	TrueForce Core HB 25W E27 865 GN3	25 W
78071500	TrueForce Core HB 50W E40 865 GN3	50 W
78073900	TrueForce Core HB 65W E40 840 GN3	65 W
78075300	TrueForce Core HB 65W E40 865 GN3	65 W
78157600	TrueForce Core HB MV ND 55W E40 840 G3	55 W
78091300	TrueForce Core HB MV ND 55W E40 865 G3	55 W

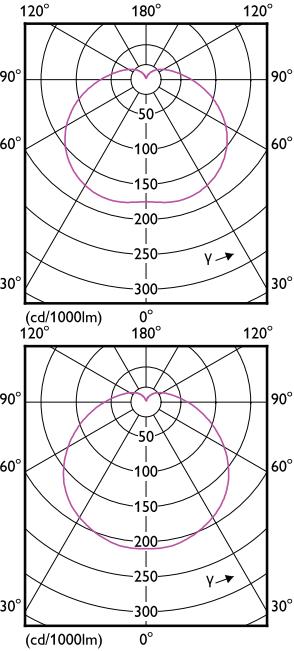
Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
78067800	TrueForce Core HB 50W E27 830 GN3	78 °C
78069200	TrueForce Core HB 50W E27 865 GN3	78 °C
78077700	TrueForce Core HB 80W E40 840 GN3	83 °C
78079100	TrueForce Core HB 80W E40 865 GN3	83 °C
78159000	TrueForce Core HB MV ND 65W E40 840 G3	80 °C
78093700	TrueForce Core HB MV ND 65W E40 865 G3	80 °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
78059300	TrueForce Core HB 30W E27 830 GN3	75 °C
78061600	TrueForce Core HB 30W E27 865 GN3	75 °C

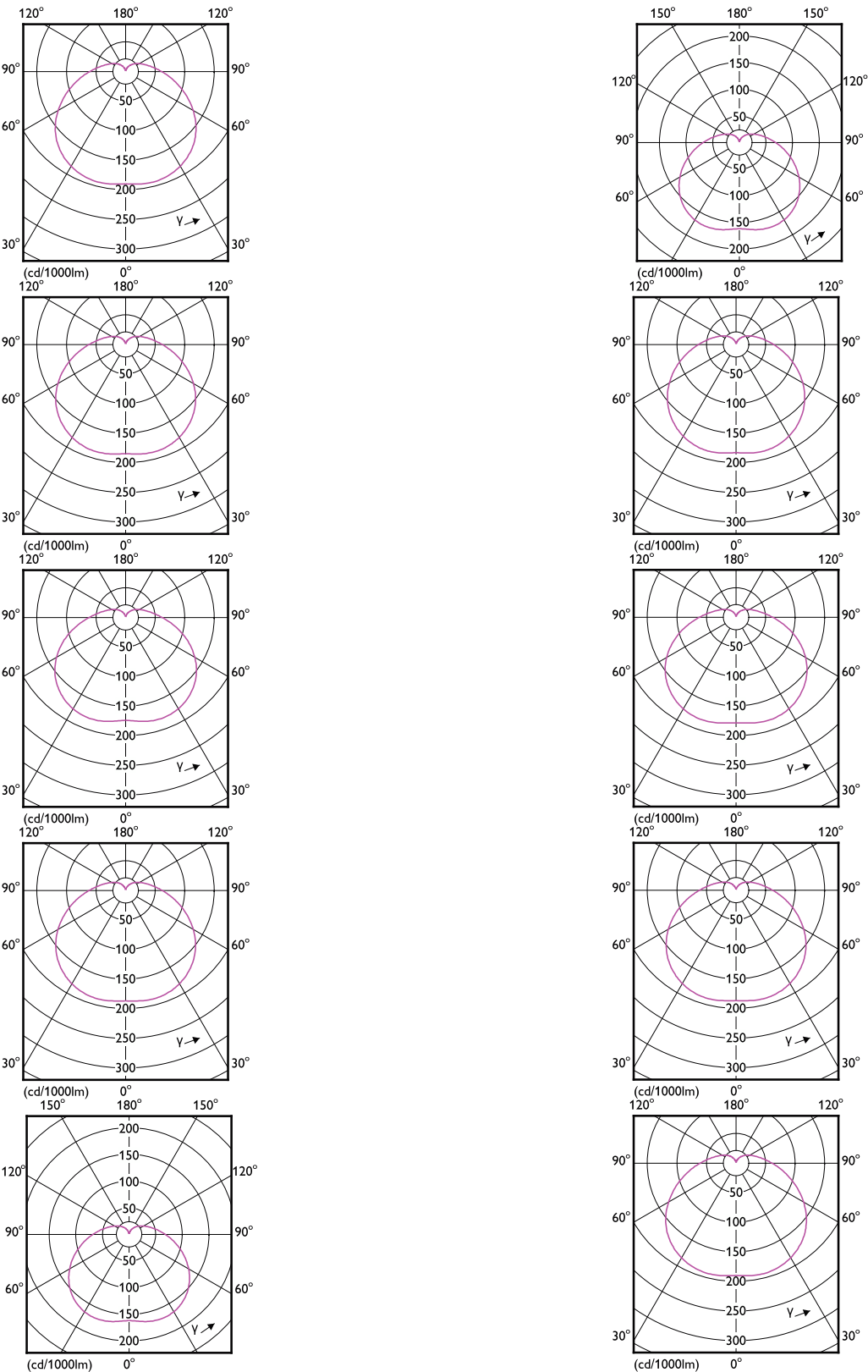
Order Code	Full Product Name	T-Case Maximum (Nom)
78089000	TrueForce Core HB MV ND 35W E27 840 G3	76 °C
78063000	TrueForce Core HB 40W E27 830 GN3	79 °C
78065400	TrueForce Core HB 40W E27 865 GN3	79 °C
78055500	TrueForce Core HB 25W E27 830 GN3	90 °C
78057900	TrueForce Core HB 25W E27 865 GN3	90 °C
78071500	TrueForce Core HB 50W E40 865 GN3	78 °C
78073900	TrueForce Core HB 65W E40 840 GN3	80 °C
78075300	TrueForce Core HB 65W E40 865 GN3	80 °C
78157600	TrueForce Core HB MV ND 55W E40 840 G3	80 °C
78091300	TrueForce Core HB MV ND 55W E40 865 G3	80 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h
78067800	TrueForce Core HB 50W E27 830 GN3	- kWh
78069200	TrueForce Core HB 50W E27 865 GN3	- kWh
78077700	TrueForce Core HB 80W E40 840 GN3	80 kWh
78079100	TrueForce Core HB 80W E40 865 GN3	80 kWh
78159000	TrueForce Core HB MV ND 65W E40 840 G3	65 kWh
78093700	TrueForce Core HB MV ND 65W E40 865 G3	65 kWh
78113200	TrueForce Core HB MV ND 24W E27 840 G3	24 kWh
78115600	TrueForce Core HB MV ND 24W E27 865 G3	24 kWh
78059300	TrueForce Core HB 30W E27 830 GN3	- kWh
78061600	TrueForce Core HB 30W E27 865 GN3	- kWh
78089000	TrueForce Core HB MV ND 35W E27 840 G3	35 kWh
78063000	TrueForce Core HB 40W E27 830 GN3	- kWh
78065400	TrueForce Core HB 40W E27 865 GN3	- kWh
78055500	TrueForce Core HB 25W E27 830 GN3	- kWh
78057900	TrueForce Core HB 25W 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
78157600	TrueForce Core HB MV ND 55W E40 840 G3	55 kWh
78091300	TrueForce Core HB MV ND 55W E40 865 G3	55 kWh



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



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

