



# 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

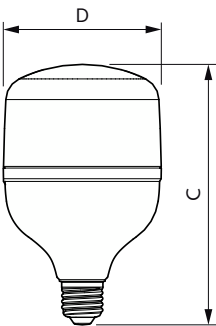


LEDTForce Core HB Tshape E40 1

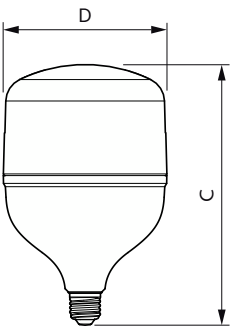


LEDTForce Core Tshape E27 FR 2

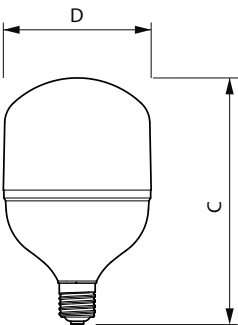
## Dimensional drawing



Product	D	C
TForce Core HB MV ND 30W E27 830 G3	100 mm	165 mm



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



Product	D	C
TForce Core HB MV ND 80W E40 865 GEN3	162 mm	271 mm

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

General Information	
Switching Cycle	50,000
Light Technical	
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted

General Information

Order Code	Full Product Name	Cap-Base	Nominal lifetime
929002408708	TForce Core HB 50W E27 830 GN3	E27	15,000 hour(s)
929002409918	TForce Core HB MV ND 80W E40 865 GEN3	E40	25,000 hour(s)

Order Code	Full Product Name	Cap-Base	Nominal lifetime
929002406302	TForce Core HB MV ND 30W E27 830 G3	E27	15,000 hour(s)

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		
			Temperature (Nom)	Color Code	Luminous Flux
929002408708	TForce Core HB 50W E27 830 GN3	180 degree(s)	3000 K	830	4,800 lm
929002409918	TForce Core HB MV ND 80W E40 865 GEN3	150 degree(s)	6500 K	865	9,000 lm

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		
			Temperature (Nom)	Color Code	Luminous Flux
929002406302	TForce Core HB MV ND 30W E27 830 G3	180 degree(s)	3000 K	830	3,700 lm

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power
			Consumption
929002408708	TForce Core HB 50W E27 830 GN3	50 to 60 Hz	50 W
929002409918	TForce Core HB MV ND 80W E40 865 GEN3	-	80 W

Order Code	Full Product Name	Line Frequency	Power
			Consumption
929002406302	TForce Core HB MV ND 30W E27 830 G3	50 to 60 Hz	30 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929002408708	TForce Core HB 50W E27 830 GN3	78 °C
929002409918	TForce Core HB MV ND 80W E40 865 GEN3	83 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929002406302	TForce Core HB MV ND 30W E27 830 G3	80 °C

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

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
929002408708	TForce Core HB 50W E27 830 GN3	T-shape
929002409918	TForce Core HB MV ND 80W E40 865 GEN3	T160

Order Code	Full Product Name	Bulb Shape
929002406302	TForce Core HB MV ND 30W E27 830 G3	T-shape

Approval and Application

Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
929002408708	TForce Core HB 50W E27 830 GN3	-20 °C to 45 °C	-
929002409918	TForce Core HB MV ND 80W E40 865 GEN3	-20 to +45 °C	-
929002406302	TForce Core HB MV ND 30W E27 830 G3	-20 °C to 45 °C	30 kWh

