



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

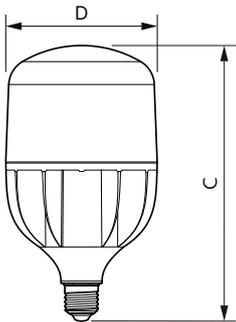


Trueforce E27 T-shape Frosted



Trueforce E27 T-shape Frosted

Dimensional drawing



Product	D	C
TForce Core HB MV ND 48-42W E27 830	123 mm	225 mm
TForce Core HB MV ND 37-35W E27 830	105 mm	190 mm
TForce Core HB MV ND 50-42W E27 840	123 mm	225 mm
TForce Core HB MV ND 40-35W E27 840	105 mm	190 mm
TForce Core HB MV ND 26-24W E27 830	105 mm	190 mm
TForce Core HB MV ND 28-24W E27 840	105 mm	190 mm

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

Approval and Application

Energy Efficiency Label (EEL) A+

Controls and Dimming

Dimmable No

Operating and Electrical

Input Frequency 50 to 60 Hz

Voltage (Nom) 220-240 V

Starting Time (Nom) 0.5 s

General Information

Cap-Base E27

Nominal Lifetime (Nom) 20000 h

Rated Lifetime (Hours) 20000 h

Switching Cycle 50000X

Light Technical

Beam Angle (Nom) 240 °

Color Rendering Index (Nom) 80

Llmf At End Of Nominal Lifetime (Nom) 70 %

Mechanical and Housing

Bulb Finish Frosted (FR)

Bulb Shape T-shape

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
59728300	TForce Core HB MV ND 26-24W E27 830	24 kWh
59730600	TForce Core HB MV ND 28-24W E27 840	24 kWh
59732000	TForce Core HB MV ND 37-35W E27 830	35 kWh
59734400	TForce Core HB MV ND 40-35W E27 840	35 kWh
59716000	TForce Core HB MV ND 48-42W E27 830	42 kWh
59718400	TForce Core HB MV ND 50-42W E27 840	42 kWh

Operating and Electrical

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
59728300	TForce Core HB MV ND 26-24W E27 830	40 W	24 W
59730600	TForce Core HB MV ND 28-24W E27 840	40 W	24 W
59732000	TForce Core HB MV ND 37-35W E27 830	55 W	35 W

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
59734400	TForce Core HB MV ND 40-35W E27 840	55 W	35 W
59716000	TForce Core HB MV ND 48-42W E27 830	70 W	42 W
59718400	TForce Core HB MV ND 50-42W E27 840	70 W	42 W

Light Technical

Order Code	Full Product Name	Color Code	Correlated		Luminous Flux (Rated) (Nom)
			Color Temperature (Nom)	Luminous Flux (Nom)	
59728300	TForce Core HB MV ND 26-24W E27 830	830	3000 K	2600 lm	2600 lm
59730600	TForce Core HB MV ND 28-24W E27 840	840	4000 K	2800 lm	2800 lm
59732000	TForce Core HB MV ND 37-35W E27 830	830	3000 K	3700 lm	3700 lm

Order Code	Full Product Name	Color Code	Correlated		Luminous Flux (Rated) (Nom)
			Color Temperature (Nom)	Luminous Flux (Nom)	
59734400	TForce Core HB MV ND 40-35W E27 840	840	4000 K	4000 lm	4000 lm
59716000	TForce Core HB MV ND 48-42W E27 830	830	3000 K	4800 lm	4800 lm

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

Order Code	Full Product Name	Color Code	Correlated Color		Luminous Flux (Rated)
			Temperature (Nom)	Luminous Flux (Nom)	
59718400	TForce Core HB MV ND 50-42W E27 840	840	4000 K	5000 lm	5000 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
59728300	TForce Core HB MV ND 26-24W E27 830	90 °C
59730600	TForce Core HB MV ND 28-24W E27 840	90 °C
59732000	TForce Core HB MV ND 37-35W E27 830	100 °C
59734400	TForce Core HB MV ND 40-35W E27 840	100 °C
59716000	TForce Core HB MV ND 48-42W E27 830	100 °C
59718400	TForce Core HB MV ND 50-42W E27 840	100 °C

