PHILIPS Lighting



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

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

Features

- \cdot High energy efficiency
- Lifetime 20,000hrs
- \cdot Wide beam angle, 240°
- \cdot 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

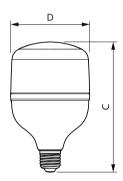


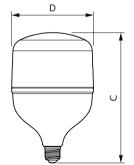


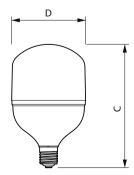
PHILPS

LEDTForce Core HB Tshape E27

Dimensional drawing







LEDTForce Core HB Tshape E40 1

LEDTForce Core Tshape E27 FR 2

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

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

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

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General Information	
Switching Cycle	50,000
Light Technical	
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime	70 %
(Nom)	
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	E40	25,000 hour(s)
	GEN3		

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

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

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

Operating and Electrical

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

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

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)

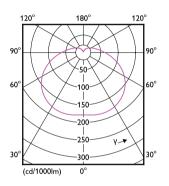
Mechanical and Housing

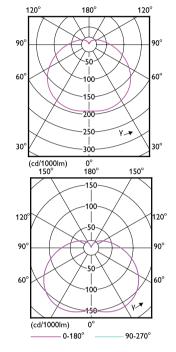
Order Code	Full Product Name	Bulb Shape
929002408708	TForce Core HB 50W E27 830 GN3	T-shape
929002409918	TForce Core HB MV ND 80W E40 865 GEN3	T160

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

Approval and Application

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







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