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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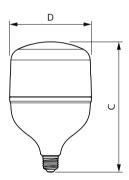
Versions

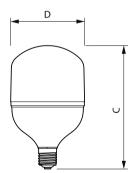




LEDTForce Core HB Tshape E27

Dimensional drawing





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		

Light Technical

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

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption
929002408708	TForce Core HB 50W E27 830	50 to 60 Hz	50 W
	GN3		

Order Code	Full Product Name	Line Frequency	Power Consumption
929002409918	TForce Core HB MV ND 80W	-	80 W
	E40 865 GEN3		

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)	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

Mechanical and Housing

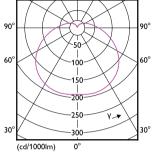
Order Code	Full Product Name	Bulb Shape	Order Code	Full Product Name	Bulb Shape
929002408708	TForce Core HB 50W E27 830 GN3	T-shape	929002409918	TForce Core HB MV ND 80W E40 865 GEN3	T160

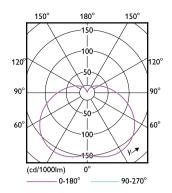
Approval and Application

Luminous Flux 9,000 lm

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

Order Code	Full Produc	t Name	Ambient temperature range
929002408708	3 TForce Core	e HB 50W E27 830 GN3	-20 °C to 45 °C
929002409918	3 TForce Core	e HB MV ND 80W E40 865	-20 to +45 °C
	GEN3		
120°	180°	120°	







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