



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

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Versions



LEDTForce HPI EU Tshape E40 1



LEDTForce HPI EU Tshape E40 2

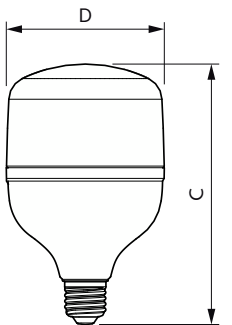
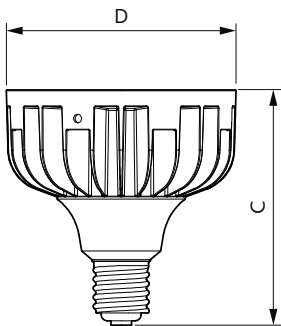
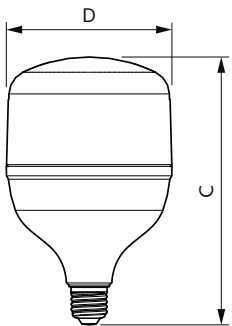


LEDTForce Core Tshape E27 FR 2



LEDTForce Core Tshape E27 FR 1

Dimensional drawing



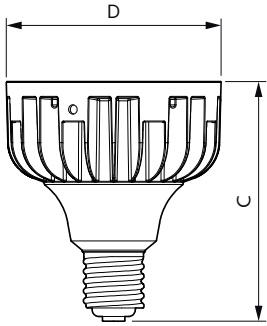
Product	D	C
TForce Core HB 40W E27 830 GN3	118 mm	193 mm
TForce Core HB 40W E27 865 GN3	118 mm	193 mm
TForce Core HB MV ND 35W E27 830 G3	118 mm	193 mm
TForce Core HB MV ND 35W E27 840 G3	118 mm	193 mm

Product	D	C
CorePro LED HPI MV 15Klm 105W840E40 100D	162 mm	168 mm

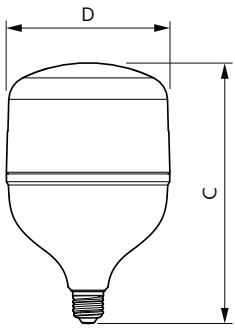
Product	D	C
TForce Core HB 30W E27 830 GN3	100 mm	165 mm
TForce Core HB 30W E27 865 GN3	100 mm	165 mm
TForce Core HB MV ND 30W E27 830 G3	100 mm	165 mm
TForce Core HB MV ND 30W E27 840 G3	100 mm	165 mm

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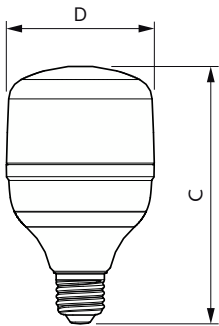
Dimensional drawing



Product	D	C
CorePro LED HPI MV 9Klm 65W 840 E40 100D	140 mm	158 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 MV ND 20W E27 840 G3	80 mm	139 mm

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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
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 Shape	T-shape

General Information

Order Code	Full Product Name	Cap-Base	Nominal lifetime
929002408708	TForce Core HB 50W E27 830 GN3	E27	15,000 hour(s)
929002408808	TForce Core HB 50W E27 865 GN3	E27	15,000 hour(s)
929003161602	CorePro LED HPI MV 9Klm 65W 840 E40 100D	E40	25,000 hour(s)
929003161702	CorePro LED HPI MV 15Klm 105W840E40 100D	E40	25,000 hour(s)
929002406302	TForce Core HB MV ND 30W E27 830 G3	E27	15,000 hour(s)
929002406402	TForce Core HB MV ND 30W E27 840 G3	E27	15,000 hour(s)
929002408308	TForce Core HB 30W E27 830 GN3	E27	15,000 hour(s)
929002408408	TForce Core HB 30W E27 865 GN3	E27	15,000 hour(s)
929002406602	TForce Core HB MV ND 35W E27 830 G3	E27	15,000 hour(s)
929002406702	TForce Core HB MV ND 35W E27 840 G3	E27	15,000 hour(s)
929002408508	TForce Core HB 40W E27 830 GN3	E27	15,000 hour(s)
929002408608	TForce Core HB 40W E27 865 GN3	E27	15,000 hour(s)
929002405802	TForce Core HB MV ND 20W E27 840 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
929002408808	TForce Core HB 50W E27 865 GN3	180 degree(s)	6500 K	865	5,000 lm
929003161602	CorePro LED HPI MV 9Klm 65W 840 E40 100D	100 degree(s)	4000 K	840	9,000 lm
929003161702	CorePro LED HPI MV 15Klm 105W840E40 100D	100 degree(s)	4000 K	840	15,000 lm
929002406302	TForce Core HB MV ND 30W E27 830 G3	180 degree(s)	3000 K	830	3,700 lm
929002406402	TForce Core HB MV ND 30W E27 840 G3	180 degree(s)	4000 K	840	4,000 lm

Order Code	Full Product Name	Beam Angle (Nom)	Correlated		
			Color Temperature (Nom)	Color Code	Luminous Flux
929002408308	TForce Core HB 30W E27 830 GN3	180 degree(s)	3000 K	830	3,000 lm
929002408408	TForce Core HB 30W E27 865 GN3	180 degree(s)	6500 K	865	3,200 lm
929002406602	TForce Core HB MV ND 35W E27 830 G3	180 degree(s)	3000 K	830	4,800 lm
929002406702	TForce Core HB MV ND 35W E27 840 G3	180 degree(s)	4000 K	840	5,000 lm
929002408508	TForce Core HB 40W E27 830 GN3	180 degree(s)	3000 K	830	3,700 lm
929002408608	TForce Core HB 40W E27 865 GN3	180 degree(s)	6500 K	865	4,000 lm
929002405802	TForce Core HB MV ND 20W E27 840 G3	150 degree(s)	4000 K	840	2,700 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
929002408708	TForce Core HB 50W E27 830 GN3	50 W
929002408808	TForce Core HB 50W E27 865 GN3	50 W
929003161602	CorePro LED HPI MV 9Klm 65W 840 E40 100D	65 W
929003161702	CorePro LED HPI MV 15Klm 105W840E40 100D	105 W
929002406302	TForce Core HB MV ND 30W E27 830 G3	30 W
929002406402	TForce Core HB MV ND 30W E27 840 G3	30 W
929002408308	TForce Core HB 30W E27 830 GN3	30 W

Order Code	Full Product Name	Power Consumption
929002408408	TForce Core HB 30W E27 865 GN3	30 W
929002406602	TForce Core HB MV ND 35W E27 830 G3	35 W
929002406702	TForce Core HB MV ND 35W E27 840 G3	35 W
929002408508	TForce Core HB 40W E27 830 GN3	40 W
929002408608	TForce Core HB 40W E27 865 GN3	40 W
929002405802	TForce Core HB MV ND 20W E27 840 G3	20 W

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Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929002408708	TForce Core HB 50W E27 830 GN3	78 °C
929002408808	TForce Core HB 50W E27 865 GN3	78 °C
929003161602	CorePro LED HPI MV 9Klm 65W 840 E40 100D	71 °C
929003161702	CorePro LED HPI MV 15Klm 105W840E40 100D	78 °C
929002406302	TForce Core HB MV ND 30W E27 830 G3	80 °C
929002406402	TForce Core HB MV ND 30W E27 840 G3	80 °C
929002408308	TForce Core HB 30W E27 830 GN3	75 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929002408408	TForce Core HB 30W E27 865 GN3	75 °C
929002406602	TForce Core HB MV ND 35W E27 830 G3	76 °C
929002406702	TForce Core HB MV ND 35W E27 840 G3	76 °C
929002408508	TForce Core HB 40W E27 830 GN3	79 °C
929002408608	TForce Core HB 40W E27 865 GN3	79 °C
929002405802	TForce Core HB MV ND 20W E27 840 G3	80 °C

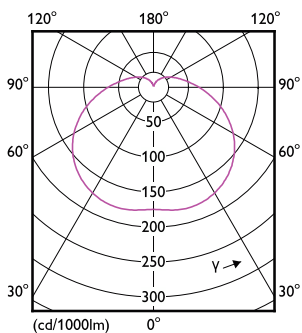
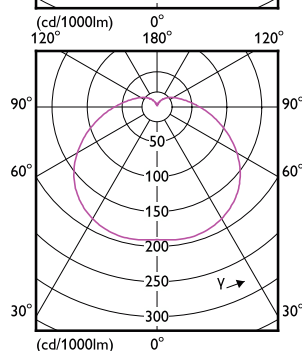
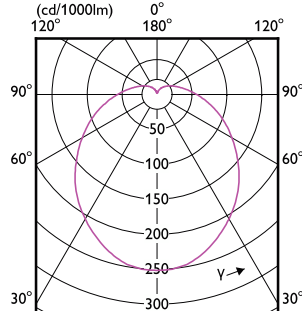
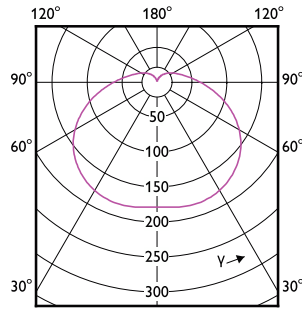
Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
929002408708	TForce Core HB 50W E27 830 GN3	Frosted
929002408808	TForce Core HB 50W E27 865 GN3	Frosted
929003161602	CorePro LED HPI MV 9Klm 65W 840 E40 100D	Clear
929003161702	CorePro LED HPI MV 15Klm 105W840E40 100D	Clear
929002406302	TForce Core HB MV ND 30W E27 830 G3	Frosted
929002406402	TForce Core HB MV ND 30W E27 840 G3	Frosted
929002408308	TForce Core HB 30W E27 830 GN3	Frosted

Order Code	Full Product Name	Bulb Finish
929002408408	TForce Core HB 30W E27 865 GN3	Frosted
929002406602	TForce Core HB MV ND 35W E27 830 G3	Frosted
929002406702	TForce Core HB MV ND 35W E27 840 G3	Frosted
929002408508	TForce Core HB 40W E27 830 GN3	Frosted
929002408608	TForce Core HB 40W E27 865 GN3	Frosted
929002405802	TForce Core HB MV ND 20W E27 840 G3	Frosted

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929002408708	TForce Core HB 50W E27 830 GN3	- kWh
929002408808	TForce Core HB 50W E27 865 GN3	- kWh
929003161602	CorePro LED HPI MV 9Klm 65W 840 E40 100D	65 kWh
929003161702	CorePro LED HPI MV 15Klm 105W840E40 100D	105 kWh
929002406302	TForce Core HB MV ND 30W E27 830 G3	30 kWh
929002406402	TForce Core HB MV ND 30W E27 840 G3	30 kWh
929002408308	TForce Core HB 30W E27 830 GN3	- kWh
929002408408	TForce Core HB 30W E27 865 GN3	- kWh
929002406602	TForce Core HB MV ND 35W E27 830 G3	35 kWh
929002406702	TForce Core HB MV ND 35W E27 840 G3	35 kWh
929002408508	TForce Core HB 40W E27 830 GN3	- kWh
929002408608	TForce Core HB 40W E27 865 GN3	- kWh
929002405802	TForce Core HB MV ND 20W E27 840 G3	20 kWh



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