



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

TrueForce Core HB MV ND 55W E40 865 G3

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.

Product data

General Information		Correlated Color Temperature (Nom)	
Cap-Base	E40 [E40]	Correlated Color Temperature (Nom)	6500 K
Nominal lifetime	25,000 hour(s)	Luminous Efficacy (rated) (Nom)	127.00 lm/W
Switching Cycle	50,000	Color Consistency	<6
Lighting Technology	LED	Color rendering index (CRI)	80
Flux measurement reference	Sphere	LLMF At End Of Nominal Lifetime (Nom)	70 %
EU RoHS compliant	Yes	Operating and Electrical	
Light Technical		Line Frequency	50 to 60 Hz
Color Code	865 [CCT of 6500K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	180 degree(s)	Power Consumption	55 W
Luminous Flux	7,000 lumen	Wattage Equivalent	125 W
Color Designation	Cool Daylight	Starting Time (Nom)	0.5 s
		Warm-up time to 60% light	0.5 s

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Power Factor (Fraction)	0.9
Voltage (Nom)	100-277 V

Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	80 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	T-shape

Approval and Application

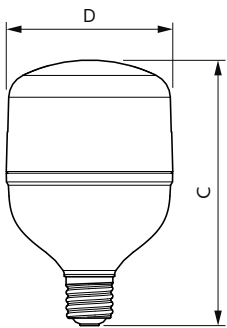
Energy Efficiency Class	E
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Energy Consumption kWh/1000 h	55 kWh
EPREL Registration Number	804330

Product Data

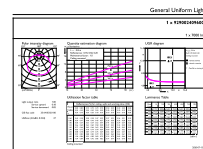
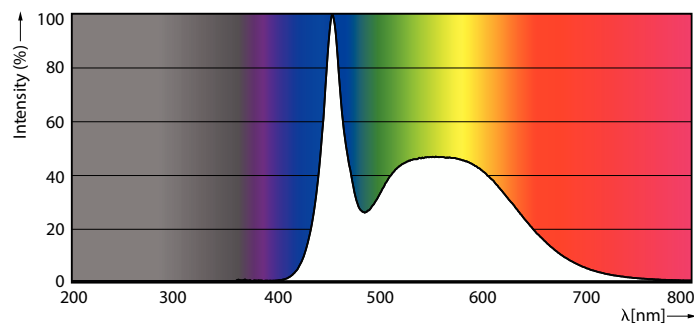
Full product code	871869978091300
Order product name	TForce Core HB MV ND 55W E40 865 G3
Order code	78091300
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929002409608
Full product name	TrueForce Core HB MV ND 55W E40 865 G3
EAN/UPC - Case	8718699780920

Dimensional drawing



Product	D	C
TForce Core HB MV ND 55W E40 865 G3	140 mm	224 mm

Photometric data



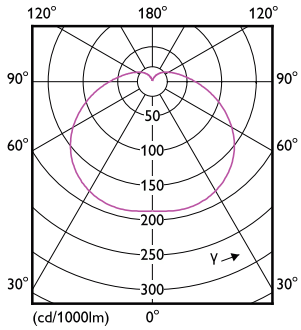
General uniform lighting - TForce Core HB MV ND 55W E40 865 G3

Spectral Power Distribution Colour - TForce Core HB MV ND 55W E40 865 G3

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Photometric data



Light Distribution Diagram - TForce Core HB MV ND 55W E40 865 G3

Lifetime



Life Expectancy Diagram - TForce Core HB MV ND 55W E40 865 G3



Lumen Maintenance Diagram - TForce Core HB MV ND 55W E40 865 G3

