



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

TrueForce Core HB MV ND 35W E27 840 G3

LED HPI, T-shape, Mains only, 220-240 V, 35 W, 75W CFL, 70W HID, E27, 4000 K, 5000 lm, 15000 hour(s)

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			
Cap-Base	E27	Beam Angle (Nom)	180 degree(s)
Nominal lifetime	15,000 hour(s)	Luminous Flux	5,000 lm
Switching Cycle	50,000	Color Designation	Cool White (CW)
Lighting Technology	LED HPI	Correlated Color Temperature (Nom)	4000 K
Flux measurement reference	Sphere	Luminous Efficacy (rated) (Nom)	142.00 lm/W
Warranty period	1 years	Color Consistency	<6
		Color rendering index (CRI)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical			
Color Code	840 [CCT of 4000K]		

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Operating and Electrical

Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	35 W
Lamp Current (Nom)	178 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220–240 V
Wattage Equivalent (LED HID only)	75W CFL, 70W HID
Ballast Compatibility	Mains only

Temperature

T-Case Maximum (Nom)	76 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	T-shape
Net Weight (Piece)	0.164 kg

Approval and Application

Energy Efficiency Class	D
Energy Saving Product	Yes
Energy Consumption kWh/1000 h	35 kWh
EPREL Registration Number	1745002
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C

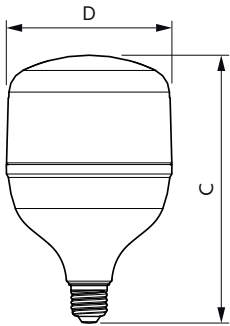
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	TForce Core HB MV ND 35W E27 840 G3
Full product name	TrueForce Core HB MV ND 35W E27 840 G3
Full product code	871869978089000
Order code	78089000
Material Nr. (12NC)	929002406708
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699780890
Numerator - Packs per outer box	6
EAN/UPC - Case	8718699780906

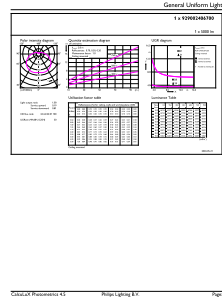
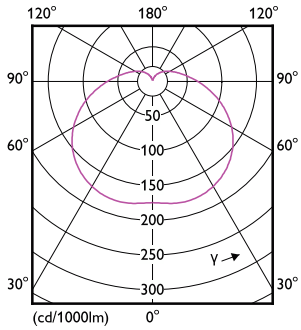
Dimensional drawing



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

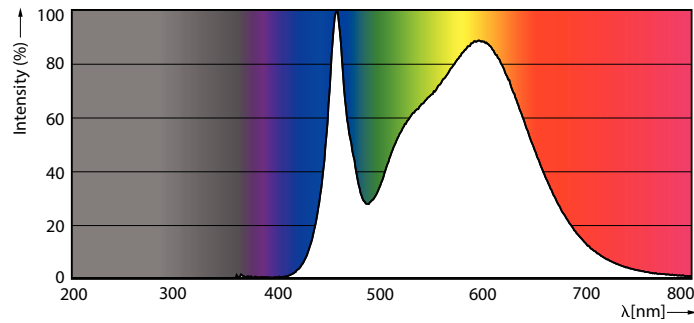
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Photometric data



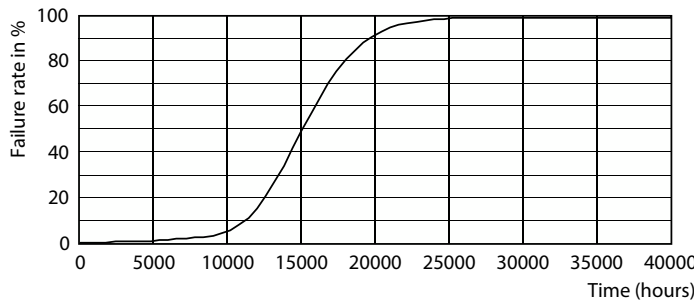
Light Distribution Diagram - TForce Core HB MV ND 35W E27 840 G3

General uniform lighting - TForce Core HB MV ND 35W E27 840 G3

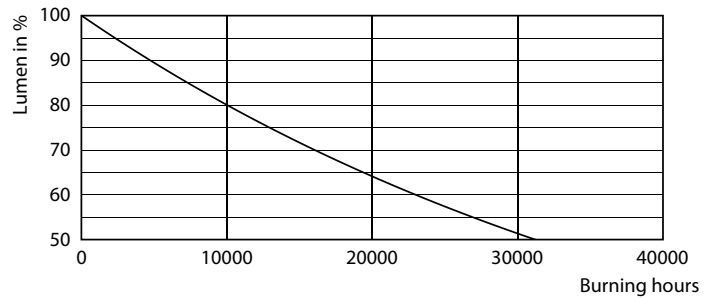


Spectral Power Distribution Colour - TForce Core HB MV ND 35W E27 840 G3

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce Core HB MV ND 35W E27 840 G3

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