PHILIPS

Lighting



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)

LED HPI, T-shape, Mains only, 220-240 V, 35 W, LED alternative to 75W CFL, 70W HID, E27, 4000 K, 5000 lm, 15000 hour(s), 142.00 lm/W

Product data

General Information	
Cap-Base	E27
Nominal lifetime	15,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED HPI
Flux measurement reference	Sphere
Warranty period	1 years

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	180 degree(s)
Luminous Flux	5,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	142.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

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

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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

Controls and Dimming

Dimmable	No

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

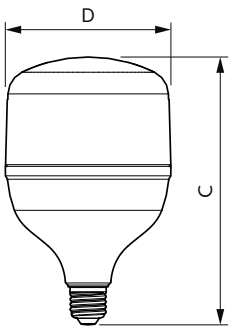
Application Conditions

Wireless Technology	Not applicable

Product Data

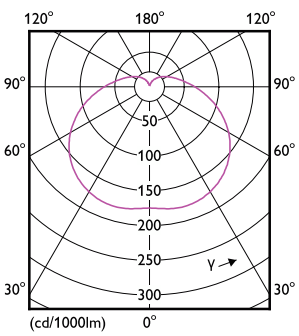
Order product name	TForce Core HB MV ND 35W E27 840 G3
Full product name	TrueForce Core HB MV ND 35W E27 840 G3
Full product code	871869978089000
Order code	78089000
Material Nr. (12NC)	929002406708
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699780890
Numerator - Packs per outer box	6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

Dimensional drawing

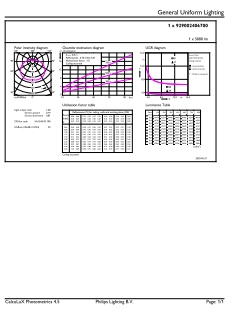


Product	D	C
TForce Core HB MV ND 35W E27 840 G3	118 mm	193 mm

Photometric data



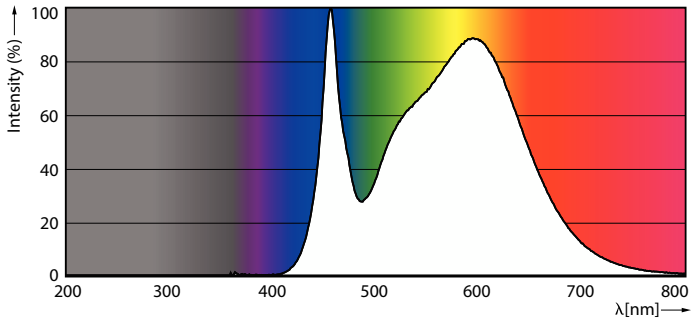
Light Distribution Diagram - TForce Core HB MV ND 35W E27 840 G3



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

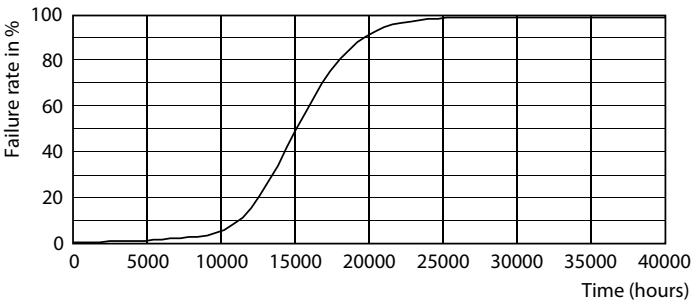
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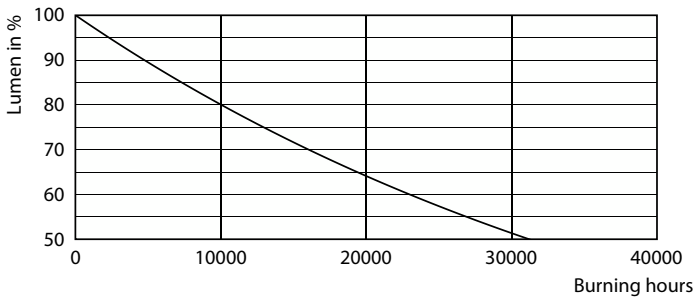


Spectral Power Distribution Colour - TForce Core HB MV ND 35W E27 840 G3

Lifetime



Life Expectancy Diagram



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

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