PHILIPS

Lighting

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

TForce Core HB MV ND 80W E40 865 GEN3

LED HPI, T-shape T160, Mains only, 110-240 V, 80 W, CFL-I 150W, HID 150W, E40, 6500 K, 9000 lm, 25000 hour(s)

LED HPI, T-shape T160, Mains only, 110-240 V, 80 W, LED alternative to CFL-I 150W, HID 150W, E40, 6500 K, 9000 lm, 25000 hour(s), 112 lm/W, RG1

Product data

General Information	
Cap-Base	E40
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED HPI
Warranty period	1 years

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	150 degree(s)
Luminous Flux	9,000 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	112 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG1

Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	80 W
Lamp Current (Max)	710 mA
Lamp Current (Min)	275 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)	110-240 V
Wattage Equivalent (LED HID only)	CFL-I 150W, HID 150W
Ballast Compatibility	Mains only

Temperature

T-Case Maximum (Nom)	83 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	T-shape T160
Net Weight (Piece)	0.407 kg

Approval and Application

Energy Saving Product	Yes
Energy Consumption kWh/1000 h	80 kWh
EU RoHS compliant	Yes

Ambient temperature range	-20 to +45 °C

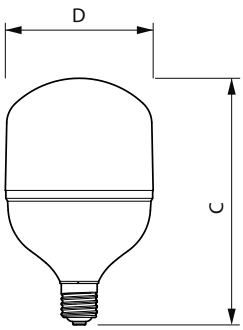
Application Conditions

Wireless Technology	Not applicable

Product Data

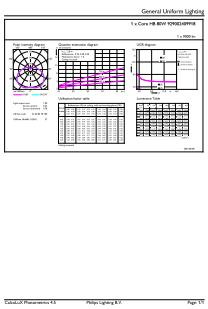
Order product name	TForce Core HB MV ND 80W E40 865 GEN3
Full product name	TForce Core HB MV ND 80W E40 865 GEN3
Full product code	871951427026800
Order code	929002409918
Material Nr. (12NC)	929002409918
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514270268
Numerator - Packs per outer box	6
EAN/UPC - Case	8719514270275

Dimensional drawing

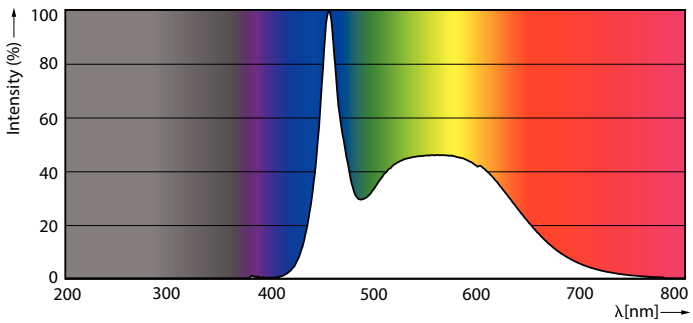


Product	D	C
TForce Core HB MV ND 80W E40 865 GEN3	162 mm	271 mm

Photometric data



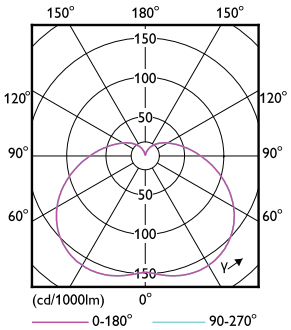
General uniform lighting - TForce Core HB MV ND 80W E40 865 GEN3



Spectral Power Distribution Colour - TForce Core HB MV ND 80W E40 865 GEN3

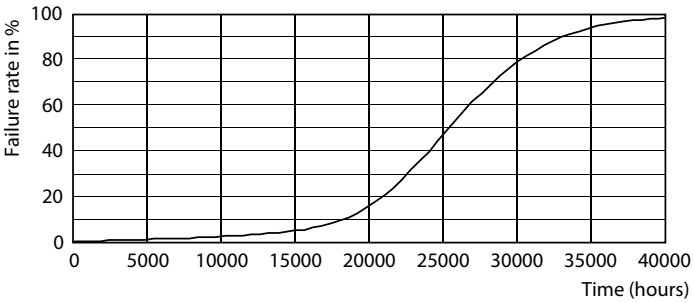
TrueForce Core LED Industrial and Retail (Highbay – HPI/SON/HPL)

Photometric data

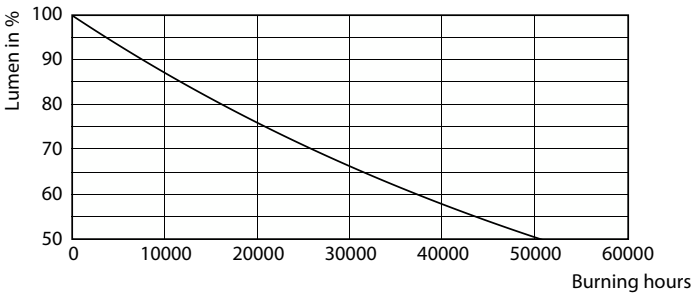


Light Distribution Diagram - TForce Core HB MV ND 80W E40 865 GEN3

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce Core HB MV ND 80W E40 865 GEN3

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