



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

CorePro LED HPI MV 9Klm 65W 840 E40 100D

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 savings 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	E40	Luminous efficacy (rated) (nom.)	138 lm/W
Nominal lifetime	25,000 h	Colour consistency	<6
Switching Cycle	50,000	Colour rendering index (CRI)	80
Lighting Technology	LED	LLMF at end of nominal lifetime (nom.)	70 %
Flux measurement reference	Sphere	Photobiological safety according to EN 62471	RG1
Light Technical		Operating and Electrical	
Colour Code	840 [CCT of 4000K]	Line Frequency	50 to 60 Hz
Beam angle (nom.)	100 degree(s)	Input frequency	50 to 60 Hz
Luminous Flux	9,000 lm	Power Consumption	65 W
Colour designation	Cool White (CW)	Lamp current (max.)	550 mA
Correlated Colour Temperature (Nom)	4000 K	Lamp current (min.)	302.5 mA
		Starting time (nom.)	0.5 s

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Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	110–240 V
Inrush current at mains	46.5
Max. lamp no. on MCB B type 10A — Mains	3
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A — Mains	5
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Ballast Compatibility	Mains

Temperature

T-Case maximum (nom.)	71 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp Finish	Clear
Bulb material	Plastic
Bulb shape	T-shape

Net Weight (Piece)	0.780 kg
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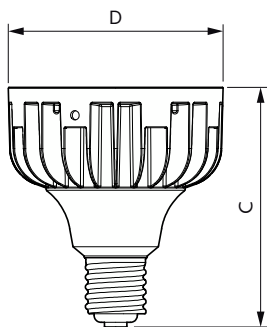
Approval and Application

Energy Efficiency Class	D
Energy consumption kWh/1,000 hours	65 kWh
EPREL Registration Number	1745018
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.9
Ambient temperature range	-20°C to 45°C

Product Data

Order product name	CorePro LED HPI MV 9Klm 65W 840 E40 100D
Full product name	CorePro LED HPI MV 9Klm 65W 840 E40 100D
Full EOC	871951442121900
Order code	42121900
Material no. (12 NC)	929003161602
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514421219
Numerator – packs per outer box	6
EAN/UPC – Case	8719514421226

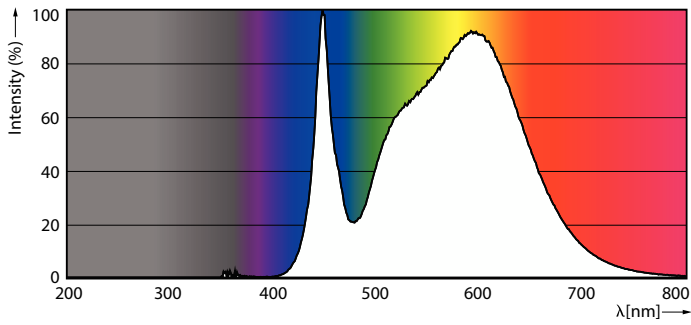
Dimensional drawing



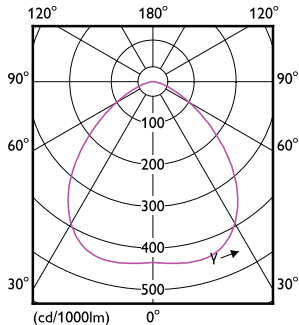
Product	D	C
CorePro LED HPI MV 9Klm 65W 840 E40 100D	140 mm	158 mm

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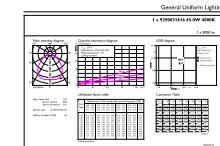
Photometric data



Spectral Power Distribution Colour - CorePro LED HPI MV 9Klm 65W 840 E40 100D

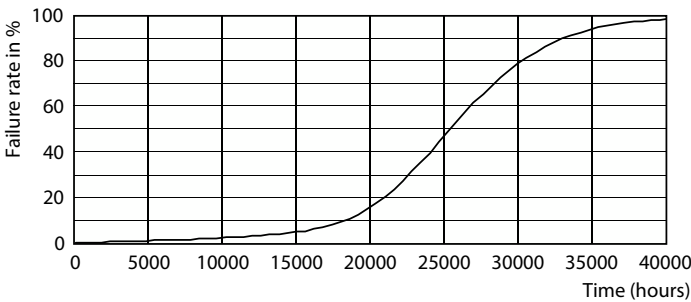


Light Distribution Diagram - CorePro LED HPI MV 9Klm 65W 840 E40 100D

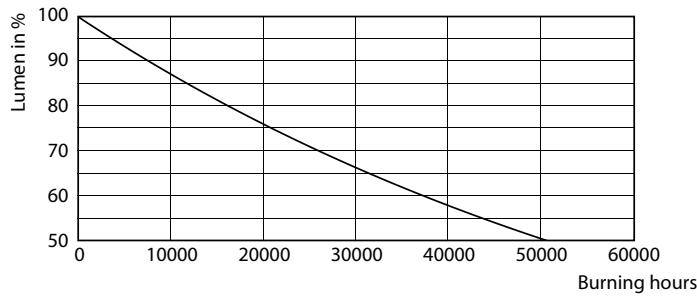


General uniform lighting - CorePro LED HPI MV 9Klm 65W 840 E40 100D

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - CorePro LED HPI MV 9Klm 65W 840 E40 100D

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