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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	
Nominal lifetime	25,000 h	
Switching Cycle	50,000	
Lighting Technology	LED	
Flux measurement reference	Sphere	
Light Technical		
Colour Code	840 [CCT of 4000K]	
Beam angle (nom.)	100 degree(s)	
Luminous Flux	9,000 lm	
Colour designation	Cool White (CW)	
Correlated Colour Temperature (Nom)	4000 K	

Luminous efficacy (rated) (nom.)	138 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Photobiological safety according to EN 62471	RG1
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	65 W
Lamp current (max.)	550 mA
Lamp current (min.)	302.5 mA
Starting time (nom.)	0.5 s

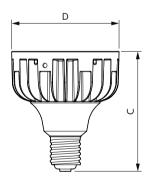
Datasheet, 2023, May 22 data subject to change

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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.	
with Compensation Capacitor. Ballast Compatibility	Mains
	Mains
	Mains
Ballast Compatibility	Mains 71°C
Ballast Compatibility Temperature	
Ballast Compatibility Temperature	
Temperature T-Case maximum (nom.)	
Ballast Compatibility Temperature T-Case maximum (nom.) Controls and Dimming	71°C
Ballast Compatibility Temperature T-Case maximum (nom.) Controls and Dimming	71°C
Ballast Compatibility Temperature T-Case maximum (nom.) Controls and Dimming Dimmable	71°C
Ballast Compatibility Temperature T-Case maximum (nom.) Controls and Dimming Dimmable Mechanical and Housing	71°C No
Ballast Compatibility Temperature T-Case maximum (nom.) Controls and Dimming Dimmable Mechanical and Housing Lamp Finish	71°C No

Net Weight (Piece)	0.780 kg
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

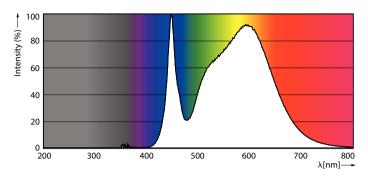
Dimensional drawing

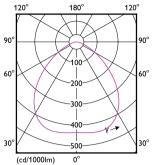


Product	D	С
CorePro LED HPI MV 9Klm 65W 840 E40 100D	140 mm	158 mm

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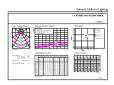
Photometric data





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

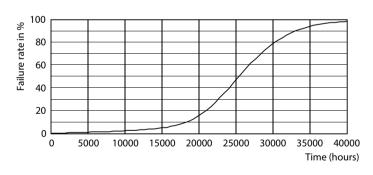
Light Distribution Diagram - CorePro LED HPI MV 9Klm 65W 840 E40 100D

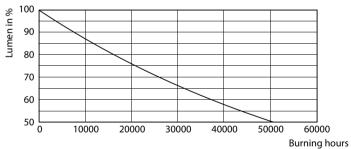


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General uniform lighting - CorePro LED HPI MV 9Klm 65W 840 E40 100D

Lifetime





Life Expectancy Diagram

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

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