



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

CorePro LED HPI MV 15Klm 105W840E40 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.

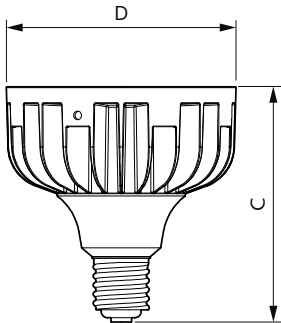
Product data

General Information		Operating and Electrical	
Cap base	E40	Colour designation	Cool White (CW)
Nominal lifetime	25,000 h	Correlated Colour Temperature	4000 K
Switching Cycle	50,000	Luminous efficacy (rated) (nom.)	142 lm/W
Lighting Technology	LED	Colour consistency	<6
Flux measurement reference	Sphere	Colour rendering index (CRI)	80
CE mark	Yes	LLMF at end of nominal lifetime (nom.)	70 %
EU RoHS compliant	Yes	Flickering value (PstLM)	1
		Stroboscopic effect	0.9
		Photobiological safety according to EN 62471	RG1
Light Technical			
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	15,000 lm		

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Power Consumption	105 W
Lamp current (max.)	902 mA
Lamp current (min.)	495 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	110-240 V
Inrush current at mains	62
Max. lamp no. on MCB B type 10A — Mains	1
Max. lamp no. on MCB B type 10A — EM ballast without Comp. Cap.	-
Max. lamp no. on MCB B type 10A — EM ballast with Comp. Cap.	-
Max. lamp no. on MCB B type 16A — Mains	2
Max. lamp no. on MCB B type 16A — EM ballast without Comp. Cap.	-
Max. lamp no. on MCB B type 16A — EM ballast with Comp. Cap.	-
Ballast Compatibility	Mains
Temperature	
Ambient temperature range	-20°C to 45°C
T-Case maximum (nom.)	78 °C
Controls and Dimming	
Dimmable	No

Dimensional drawing



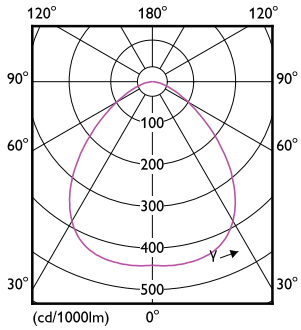
Mechanical and Housing	
Lamp Finish	Clear
Bulb material	Plastic
Bulb shape	T-shape
Approval and Application	
Energy Efficiency Class	D
Energy consumption kWh/1,000 hours	105 kWh
EPREL registration number	1224911

Product Data	
Order product name	CorePro LED HPI MV 15Klm 105W840E40 100D
Full product name	CorePro LED HPI MV 15Klm 105W840E40 100D
Full EOC	871951442123300
Order code	42123300
Material no. (12 NC)	929003161702
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514421233
Numerator – packs per outer box	6
EAN/UPC - Case	8719514421240

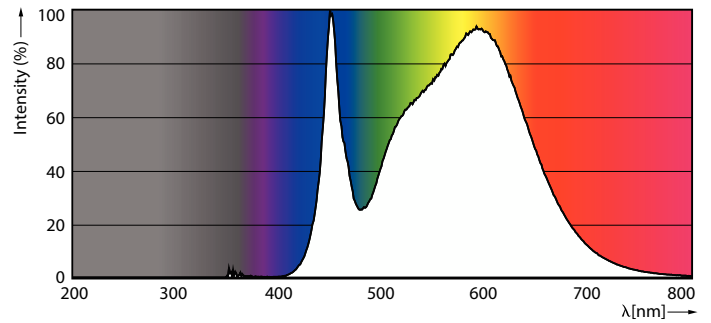
Product	D	C
CorePro LED HPI MV 15Klm 105W840E40 100D	162 mm	168 mm

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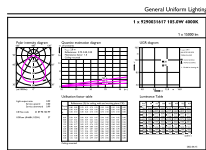
Photometric data



Light Distribution Diagram - CorePro LED HPI MV 15Klm 105W840E40 100D



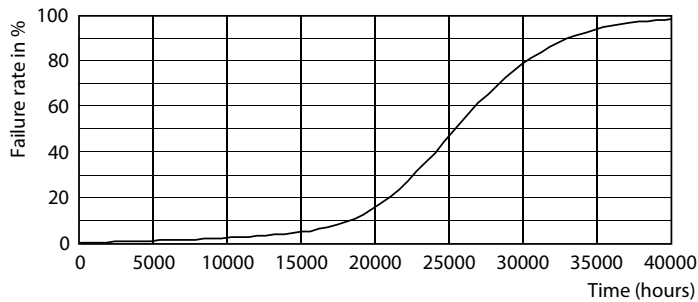
Spectral Power Distribution Colour - CorePro LED HPI MV 15Klm 105W840E40 100D



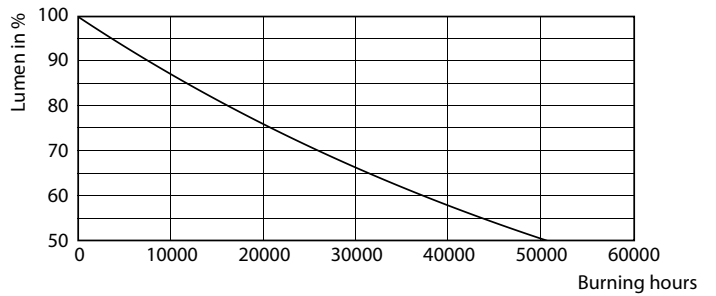
General Uniform Lighting - CorePro LED HPI MV 15Klm 105W840E40 100D

General uniform lighting - CorePro LED HPI MV 15Klm 105W840E40 100D

Lifetime



Life Expectancy Diagram - CorePro LED HPI MV 15Klm 105W840E40 100D



Lumen Maintenance Diagram - CorePro LED HPI MV 15Klm 105W840E40 100D

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