



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

## CorePro LED HPI MV 15Klm 105W840E40 100D

CorePro, LED, T-shape, Mains only, 105 W, E40, 4000 K, 15000 lm, CRI 80, 25000 h

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.

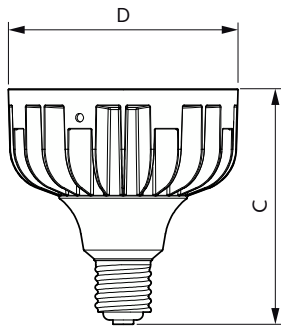
### Product data

General Information			
Cap base	E40	Beam angle (nom.)	100 degree(s)
Nominal lifetime	25,000 h	Luminous Flux	15,000 lm
Switching Cycle	50,000	Colour designation	Cool White (CW)
Lighting Technology	LED	Correlated Colour Temperature (Nom)	4000 K
Flux measurement reference	Sphere	Luminous efficacy (rated) (nom.)	142 lm/W
Warranty period	3 years	Colour consistency	<6
		Colour rendering index (CRI)	80
		LLMF at end of nominal lifetime (nom.)	70 %
		Photobiological safety according to EN 62471	RG1
Light Technical			
Colour Code	840 [CCT of 4000K]		

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

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
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 Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – Mains	2
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 only
Temperature	
T-Case maximum (nom.)	78 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Clear

## Dimensional drawing

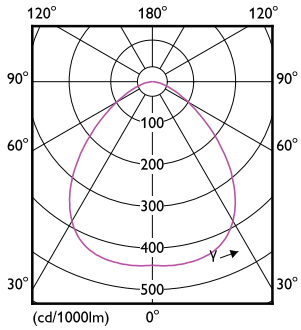


Bulb material	Plastic
Bulb shape	T-shape
Net Weight (Piece)	1.130 kg
Approval and Application	
Energy Efficiency Class	D
Energy-saving product	Yes
Energy consumption kWh/1,000 hours	105 kWh
EPREL Registration Number	1745017
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20°C to 45°C
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
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514421233
Numerator – packs per outer box	6
EAN/UPC – Case	8719514421240

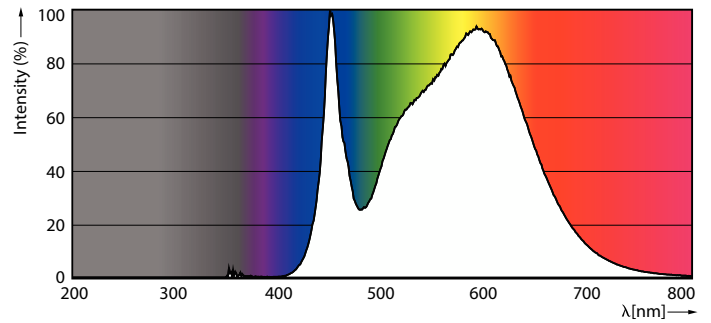
Product	D	C
CorePro LED HPI MV 15Klm 105W840E40 100D	162 mm	168 mm

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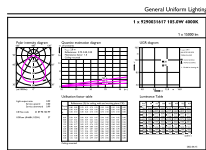
## Photometric data



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



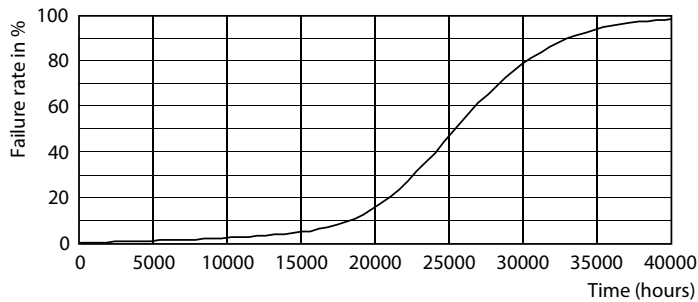
Spectral Power Distribution Colour - CorePro LED HPI MV 15Klm 105W840E40 100D



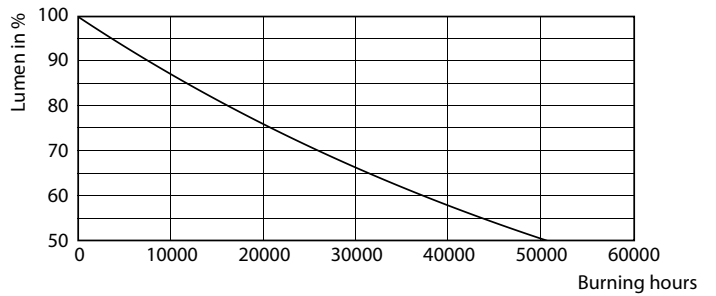
General Uniform Lighting - CorePro LED HPI MV 105W840E40 100D

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

## Lifetime



Life Expectancy Diagram



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

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