



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 saving 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	Luminous Efficacy (rated) (Nom)	142 lm/W
Nominal lifetime	25,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color 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		Line Frequency	50 to 60 Hz
Color Code	840 [CCT of 4000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	100 degree(s)	Power Consumption	105 W
Luminous Flux	15,000 lm	Lamp Current (Max)	902 mA
Color Designation	Cool White (CW)	Lamp Current (Min)	495 mA
Correlated Color Temperature (Nom)	4000 K	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
Ballast Compatibility	Mains
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.	-

Temperature

T-Case Maximum (Nom)	78 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Plastic
Bulb Shape	T-shape
Net Weight (Piece)	1.130 kg

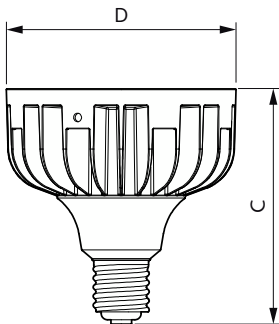
Approval and Application

Energy Efficiency Class	D
Energy Consumption kWh/1000 h	105 kWh
EPREL Registration Number	1745017
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) – Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.9
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 product code	871951442123300
Order code	929003161702
Material Nr. (12NC)	929003161702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514421233
Numerator - Packs per outer box	6
EAN/UPC - Case	8719514421240

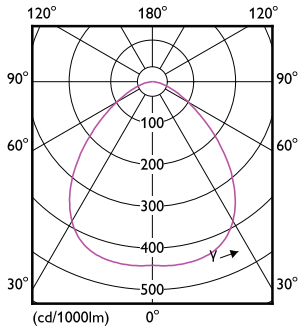
Dimensional drawing



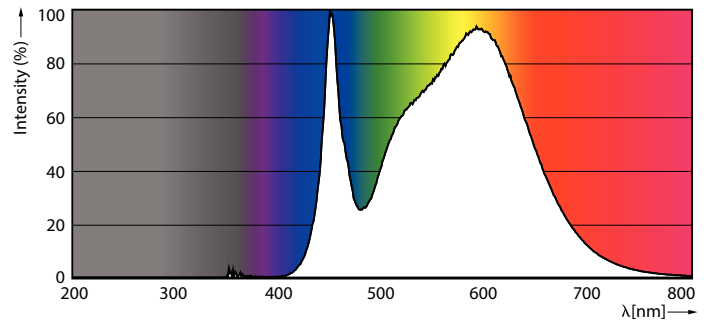
Product	D	C
CorePro LED HPI MV 15Klm 105W840E40 100D	162 mm	168 mm

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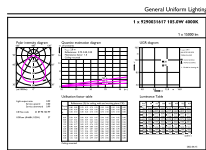
Photometric data



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



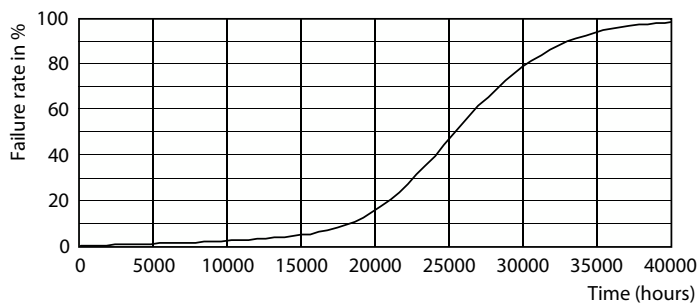
Spectral Power Distribution Colour - CorePro LED HPI MV 15Klm 105W840E40 100D



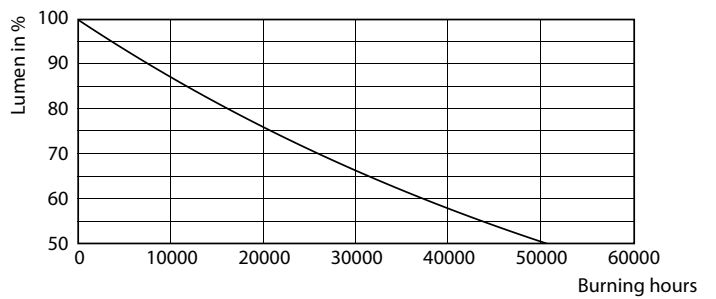
General Uniform Lighting 1 x 105W840E40 LED luminaire Page 17

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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