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

Cap–Base	E40 [E40]
CE mark	Yes
EU RoHS compliant	Yes
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Brand	Philips

Light Technical

Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	100 degree(s)

Luminous Flux	15,000 lumen
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	142 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	105 W
Wattage Equivalent	250 W

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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

Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	78 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Plastic
Bulb Shape	T-shape

Approval and Application

Energy Consumption kWh/1000 h	105 kWh

EPREL Registration Number	1,224,911

Product Data

|	
Full product code	871951442123300
Order product name	CorePro LED HPI MV 15Klm 105W840E40 100D
Order code	929003161702
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	6
Material number (12NC)	929003161702
Net weight	1.130 kg
Full product name	CorePro LED HPI MV 15Klm 105W840E40 100D
EAN/UPC – Case	8719514421240

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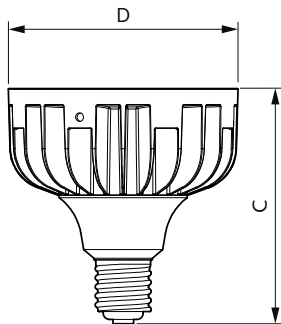
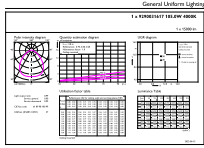| Product	D	C
CorePro LED HPI MV 15Klm 105W840E40 100D	162 mm	168 mm

Photometric data
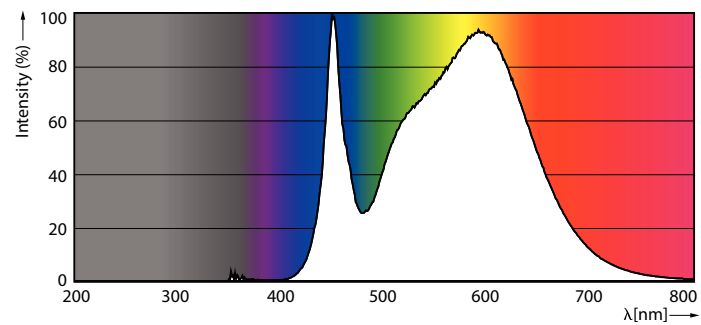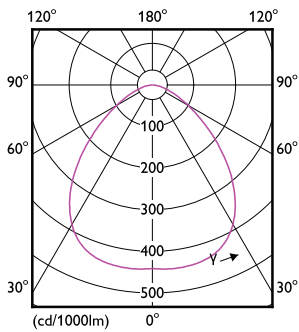
Light Distribution Diagram – CorePro LED HPI MV 15Klm 105W840E40 100D

Spectral Power Distribution Colour – CorePro LED HPI MV 15Klm 105W840E40 100D
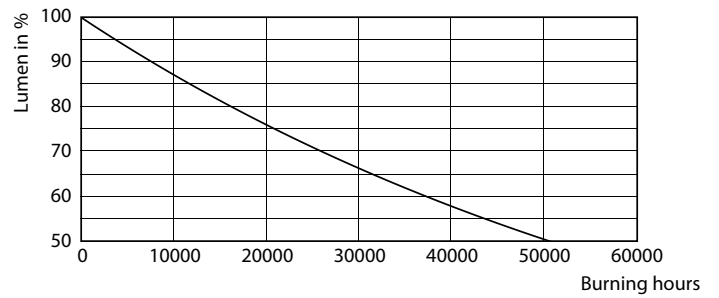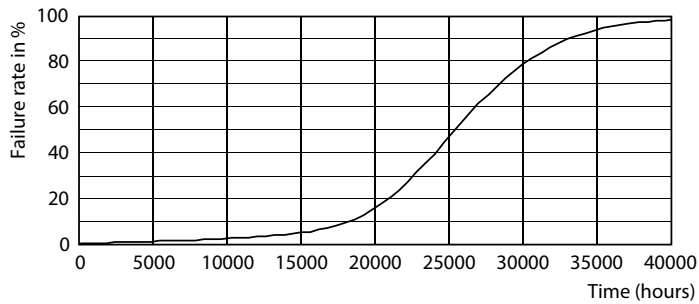
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Photometric data

Lifetime

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

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

www.lighting.philips.com

2023, May 5 – data subject to change