



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

Corepro LEDBulbND 2.05Klm 20W830 E27T70

LED HPI, T-shape T70, Mains only, 220–240 V, 20 W, CFL-i
30W, HID 50W, E27, 3000 K, 2050 lm, CRI 80, 15000 hour(s)

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	E27	Beam Angle (Nom)	180 degree(s)
Nominal lifetime	15,000 hour(s)	Luminous Flux	2,050 lm
Switching Cycle	50,000	Color Designation	White (WH)
Lighting Technology	LED HPI	Correlated Color Temperature (Nom)	3000 K
Flux measurement reference	Sphere	Luminous Efficacy (rated) (Nom)	102 lm/W
Warranty period	1 years	Color Consistency	<6
		Color rendering index (CRI)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
		Photobiological safety according to EN 62471	RG1
Light Technical			
Color Code	830 [CCT of 3000K]		

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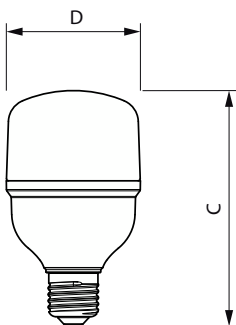
Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	20 W
Lamp Current (Nom)	83 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
Inrush current at mains	8.5
Max. lamp no. on MCB B type 10A - Mains	13
Max. lamp no. on MCB 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	22
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.	-
Wattage Equivalent (LED HID only)	CFL-i 30W, HID 50W
Ballast Compatibility	Mains only

Temperature	
T-Case Maximum (Nom)	82 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Bulb Shape	T-shape T70

Dimensional drawing



Net Weight (Piece)	0.048 kg
Approval and Application	
Energy Efficiency Class	F
Energy Saving Product	Yes
Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	2364482
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 16100-3-3	
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +45 °C

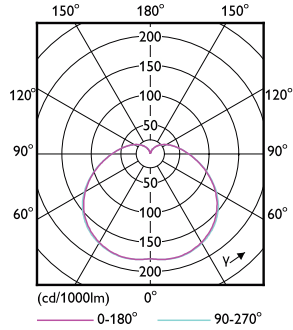
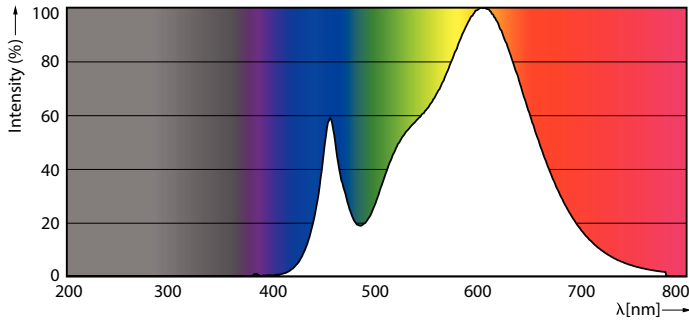
Application Conditions	
can it be used in closed luminaires	No
Wireless Technology	Not applicable

Product Data	
Order product name	Corepro LEDBulbND 2.05Klm 20W830 E27T70
Full product name	Corepro LEDBulbND 2.05Klm 20W830 E27T70
Full product code	872110306417200
Order code	929004604802
Material Nr. (12NC)	929004604802
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103064172
Numerator - Packs per outer box	6
EAN/UPC - Case	8721103064189

Product	D	C
Corepro LEDBulbND 2.05Klm 20W830 E27T70	70 mm	122 mm

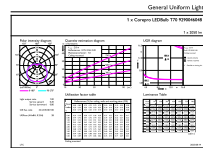
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Photometric data



Spectral Power Distribution Colour - Corepro LEDBulbND 2.05Klm 20W830 E27T70

Light Distribution Diagram - Corepro LEDBulbND 2.05Klm 20W830 E27T70

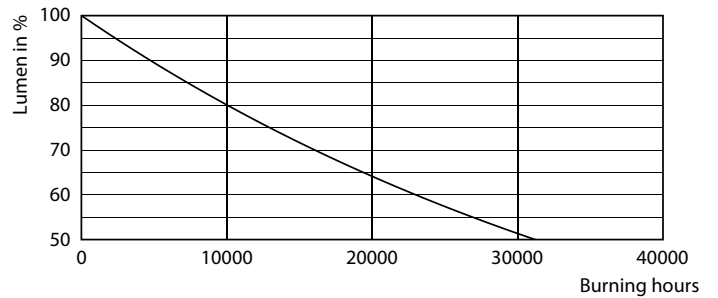


General uniform lighting - Corepro LEDBulbND 2.05Klm 20W830 E27T70

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - Corepro LEDBulbND 2.05Klm 20W830 E27T70

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